

R RESEARCH COMPLEX FOR NEH REGION ICA

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)





**District: Aizawl** 

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

Date of issue: 12th June, 2018

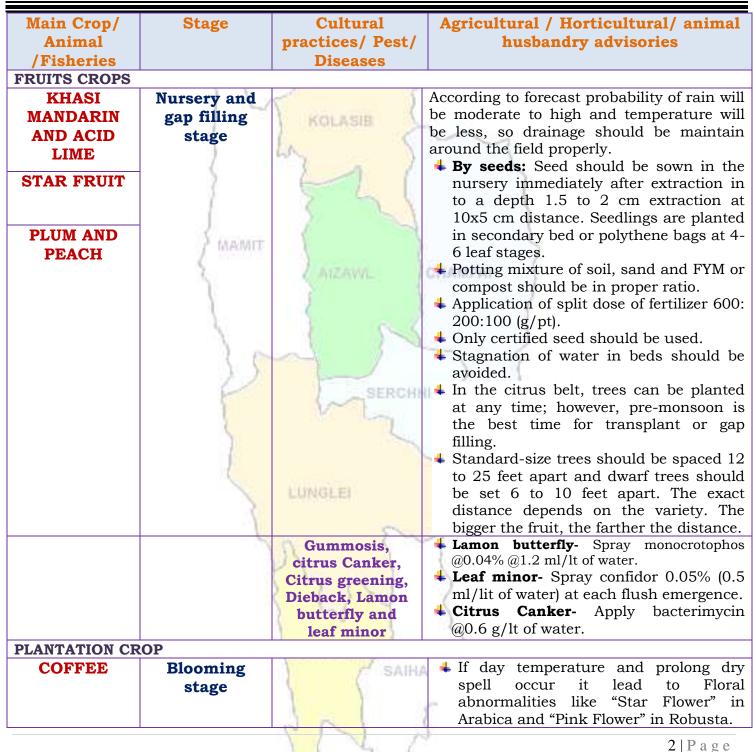
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018		
Rainfall (mm)	17	37	26	51	69		
Max Temp (°C)	31	30	20	28	27		
• · · /	15	14	14	14	14		
Min Temp (°C)		= -					
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	100	99	99	98		
Min RH (%)	72	76	72	76	77		
Wind Speed (KmpH)	2	2	2	5	3		
*Wind Direction	E	N-E	E	S	S-E		
		Easterly- N-E, Easterly-					
		Westerly- <mark>S-W</mark> , We					
		-31, 2018 (Percent					
Aizawl- 383.68mm			aiha- 109.52 mm		352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm		-411.72mm		
(285.5mm)		186.21mm)	(442.80mm		(259.8mm)		
Weather summary		Weather fored		13 <sup>th</sup> June, 20	18 To 17 <sup>th</sup>		
three day		June, 2018.					
Maximum Tem. (°C):2	28-30°C	There are chance	es of moderate	to heavy rainfa	all during the		
Minimum Tem. (°C):1	.9-20°C	next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):97-	· <b>100</b> %	the next 5 day			-		
Minimum RH (%):78-		U					
Wind Direction: Sout		Maximum relativ	2		U		
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	100% and mini	2				
Wind speed: 4.63 km	· · · · · · · · · · · · · · · · · · ·	would be easterly to northeasterly to easterly to southerly					
wind speed. 4.00 km	/ •••	and southeaster	ly with the win	d speed of 2-5	km per hour.		
Rainfall: 168.9 mm		Manly cloudy sky will prevail during the next five days.					
Kaiman. 108.9 mm		5 5 .		0	5		
		Weeklu	cumulative r	ainfall: 200.0	mm		
NDVI for Mizoram							
NDVI for Mizoram		75	winuty uty	condition oc	curs in all		
		52	districts of	Mizoram.			
		- Sulton					
		Cas Al					
		241	1				
		. B.					
		Agriculture vignut is rescherele user some of the	parts N				
		E N	30				
		1/V	10		1   P a g e		

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### ICAR RESEARCH COMPLEX FOR NEH REGION

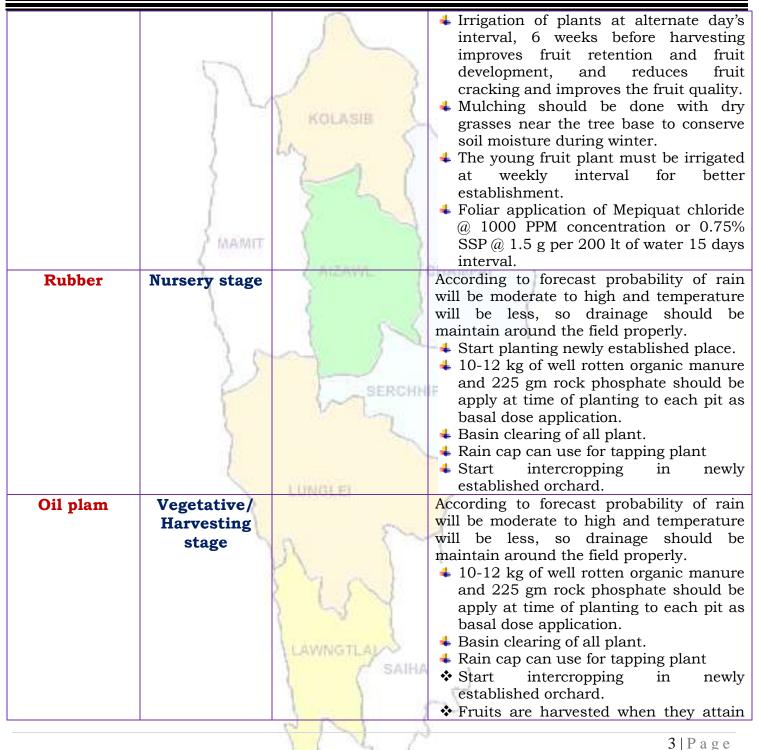






ICAR RESEARCH COMPLEX FOR NEH REGION

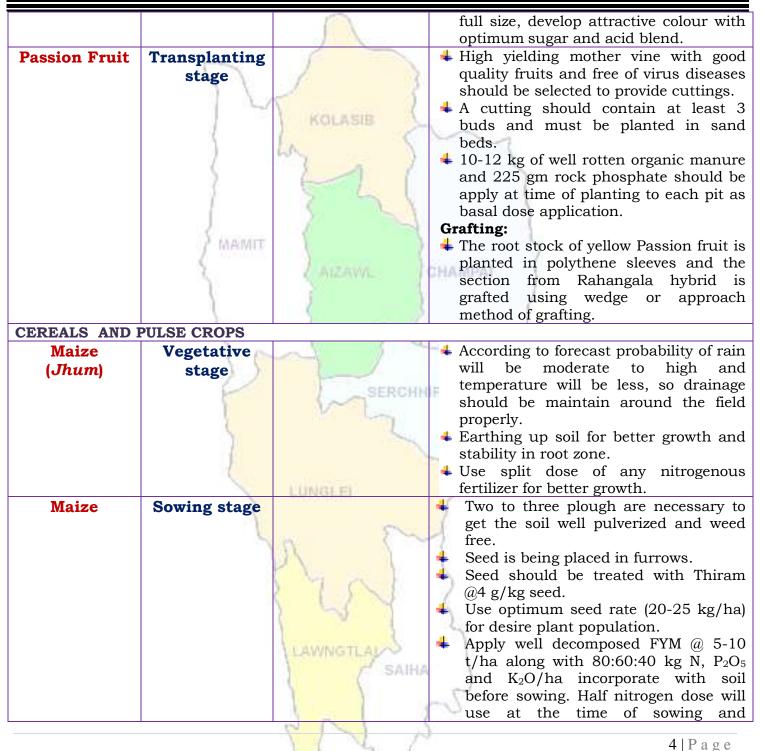






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination stage	KOLASIB	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous</li> </ul>
	5	SL	fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage		<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
<b>VEGETABLE CRO</b>	OP		
Ginger and turmeric	Sowing stage	SERCHN	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$ incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage		<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.</li> </ul>
Chilli	Vegetative to		<ul> <li>According to forecast probability of</li> </ul>
VIIIII		0 0	- incontaining to infordate probability of



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	flowering stage	KOLASIB Fruit-fly	<ul> <li>rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
Cowpea	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous</li> </ul>
Okra	Vegetative stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	LAWNGTLAN	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	DARY		
Pig	All stages	22/3	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young</li> </ul>
		VIV C	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

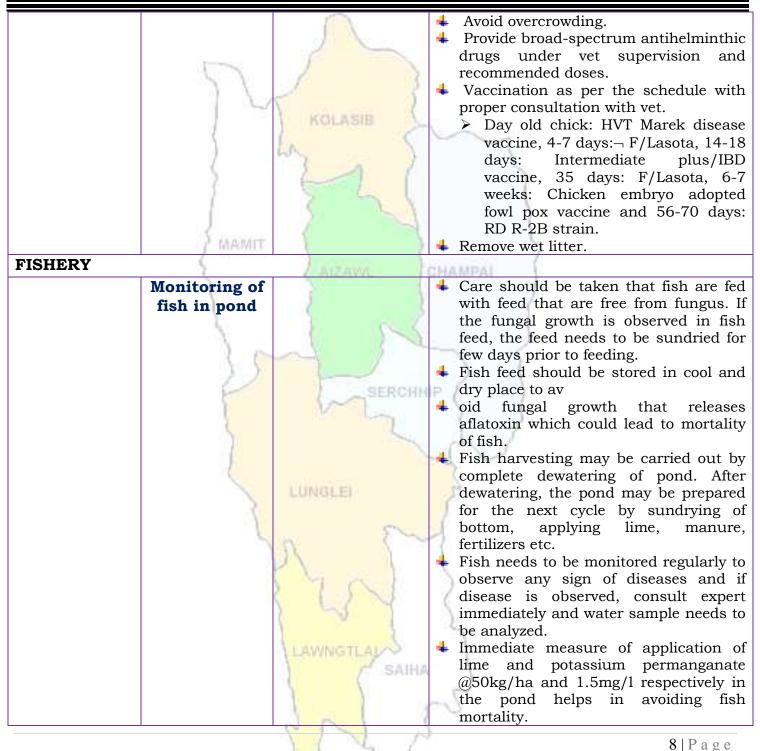


	MAMIT	Forcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group		<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



### **Expert committee members:**

Dr. S.B. Singh		Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	<u>sauravs.saha@gmail.com</u>
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	£:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
	1.0	AVIATE I	

### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist



9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Aizawl

Bulletin	<b>No:</b> -	798/2018/	Bulletin/Mizo	

Period: 13 June - 17 June, 2018

### Date of issue: 12<sup>th</sup> June, 2018

		$\mathbf{P}$	1		
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018
Rainfall (mm)	17	37	26	51	69
Max Temp (°C)	31	30	29	28	27
Min Temp (°C)	15	14	14	14	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	100	99	99	98
Min RH (%)	72	76	72	76	77
Wind Speed (KmpH)	2	2	2	5	3
*Wind Direction	E	N-E	E	S	S-E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Vesterly- <mark>S-W</mark> , We			
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 ( <i>Percent</i> ) i- 239.49mm (250.30mm) ·344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib m) m Serchhij	nthesis) - 352.38mm (380.9mm) p-411.72mm (259.8mm)
Weather summary of three day	of the past s	13 <sup>th</sup> June – 1	7 <sup>th</sup> June, 20 dinhmun tu	18 chhunga r tlangpui	sik leh sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):78-9 Wind Direction: Sout Cloud cover: Mainly of Wind speed: 4.63 km Rainfall: 168.9 mm	9-20°C 100% 91% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 98-100% l niin. Thli hi dar awi zawngin a tle hian khawthiang <b>Weekly</b>	Khua a lum lai 14-15°C ni tu eh a hniam la kar khatah 2-3 eh rin a ni. A tl g tak hmuh bei	berin 27-31ºC ura beisei a ni i berin 72-77% 5 km vela chak angpuiin tun n	a ni ang a. A . RH san lai o ni tur a rin cin chhaklam i nga chhung
NDVI for Mizoram		North East Region 29 for	Mildly dry districts of	condition oo Mizoram.	ccurs in all
		512	12		1   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

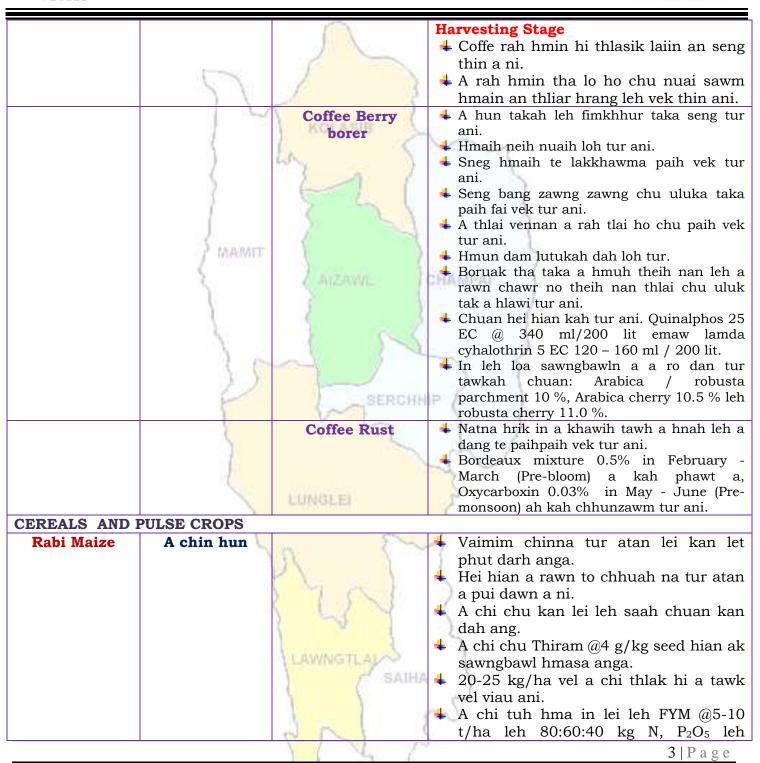


Animal (Fisheries       practices/ Pest/ Diseases       husbandry advisories         FRUITS CROPS       A kui atanga a seng hun       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       - Thla in aupang deuah chuan chawh kar tin a tui pek thin tur ani.       - Thlai naupang deuah chuan chawh kar tin a tui pek thin tur ani.         STAR FRUIT       - A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan heh a rah than that na te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       - Gummosis, citrus greening and Dieback       - Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       - Fruit fly RCM       - Huan zau taka huan a par tan tirh leh a rah tan tirin chawlikak nain Azospirillum leh Phosphobacterium a enkaul tur ani.         PLANTATION CROP       - All stages       - Thlai chi hilak hma in Azospirillum leh Phosphobacterium a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.         • Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.       - Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur atii.				
/Fisheries       Diseases         FRUITS CROPS       A kui atanga a seng hun <ul> <li>A kui atanga a seng hun</li> <li>And ACID</li> <li>LIME</li> <li>BANANA</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Tha anawh tawk a hmuh theilin a turin a hmunhma a hnim awm te thawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tha tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> <li>PEACH</li> <li>Cummosis, citrus greening and Dieback</li> <li>Fruit fly continue au takah chuan a part an tirh leh a spath te hnawih tur ani.</li> <li>Huan zu takah chuan a part an tirh leh a rah tan tin cabavlhkar hnih chhung chu heng te hian enkawl tur ani.</li> </ul> <li>PLANTATION CROP</li> <li>COFFFEE</li> <li>All stages</li> <li>PLANTATION crop</li> <li>COFFFEE</li> <li>All stages</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Nursery stage         <ul> <li>Thia ichi tulak hma in Azospirillum leh <i>Phosphobacterum a enkawl tur ani</i>.</li> <li>Nith tui pek tur ani a, asat lutuka loh nan zar hliah tur ani.</li> <li>Nith tui pek tur ani a, asat lutuka loh nan nin a chhun loh nan zar hliah tur ani.</li> <li>Nith tu jek tur ani a, asat lutuka loh nan</li></ul></li>	Main Crop/	Stage		Agricultural / Horticultural/ animal
FRUITS CROPS         KHASI MANDARIN AND ACID LIME         BANANA         BANANA         STAR FRUIT         FLUM AND PEACH         Commosis, citrus canker, citrus greening and Dieback         Fruit fly corf         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages	Animal		practices/ Pest/	husbandry advisories
KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chueun hnim hnah hring dia bul venlad hkhawm tur ani.         BANANA	/Fisheries		Diseases	
MANDARIN AND ACID LIME       a seng hun       vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.         BANANA       Image: Star FRUIT       Image: Star FRUIT         STAR FRUIT       Image: Star FRUIT       Image: Star FRUIT         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Image: Fruit fly RCH         Fruit fly RCH       Fruit fly RCH       Image: Fruit fly RCH         PLANTATION CROP       All stages       Nursery stage         PLANTATION CROP       All stages       Nursery stage         Image: Star FRUIT       All stages       Nursery stage         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit f	FRUITS CROPS		1	
MANDARIN AND ACID LIME       a seng hun       wennan chuan hnim hnah hring tlai bul welah dahkhawm tur ani.         BANANA       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.         STAR FRUIT       Image: Star for the star for	KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
AND ACID LIME BANANA BANANA STAR FRUIT Gummosis, citrus greening and Dieback COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE COFFEE COFFEE COFFEE All stages COFFEE	MANDARIN	the second se	KOLASIR	vennan chuan hnim hnah hring tlai bul
LIME       4 Thiai naupang deuah chuan chawih kar tin a tui pek thin tur ani.         BANANA       5 TAR FRUIT         STAR FRUIT       4 A seng hma kar 6 chung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback         Fruit fly       4 Temperture hniam lutuk leh hnawng vang ha ta a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan turi nehwihkar hnih chhung chu heng te lian enkawi tur ani.         PLANTATION CROP       All stages         COFFEE       All stages         Nursery stage       • Thiai chulk hma in Azospirillum leh Phosphotacterium a enkawi tur ani.         • A chi hi December – January ah hmun zawi/nualrem 1.5 - 2.5 cm a in hlatin tur ani.         • Nitin tui pek tur ani.         • Ni	AND ACID	8	1 monorione 7	velah dahkhawm tur ani.
BANANA         BANANA         STAR FRUIT         STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly         Fruit fly         PLANTATION CROP         COFFEE         All stages         Nursery stage         The child be		)	LA.	👍 Thlai naupang deuah chuan chawlh
STAR FRUIT       Image: Control of the image: Co		(	3 4 1	
STAR FRUIT       Image: Construct of the second secon	BANANA	1		
STAR FRUIT <ul> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah tkeh tur lakah t a veng thei ani.</li> <li>PLUM AND PEACH</li> <li>Gummosis, citrus greening and Dieback</li> <li>Fruit fly</li> <li>Fruit fly</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani.</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul> <li>PLANTATION CROP</li> <li>COFFEE</li> <li>All stages</li> <li>Nursery stage</li> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December - January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ahi.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ahi.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li>		1	2 2 1	
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Diebaack       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFFEE       All stages         Nursery stage       4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         With tur ani.       4 Nitin tui pek tur ani, a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.				
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         Fruit fly COFFEE       Fruit fly PLANTATION CROP       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         PLANTATION CROP       Fruit fly PLANTATION CROP       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawi tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage 4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Muit tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	STAR FRUIT	S LABOATT		
PLUM AND PEACH       keh tur lakah t a veng thei ani.         Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       Thai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		1 meaning	5	-
PEACH       Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a at am duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rang te hian enkawi tur ani. carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	DI LIM AND	30	AIZAWIL /	
Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         4 Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         4 A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				keh tur lakah t a veng thei ani.
canker, citrus       hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.	РЕАСП	1		
greening and Dieback       laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Variable       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         * A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Dieback       a trangah te hnawih tur ani.         Plantation CROP       Fruit fly         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Niti 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP         COFFEE       All stages         Mursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5.0		
PLANTATION CROP       All stages       Nursery stage         COFFEE       All stages       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		11		
PLANTATION CROP         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	FILLE INFERCEN	
PLANTATION CROP         COFFEE       All stages         All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	Y La	
10 g/l.         PLANTATION CROP         COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5		percent emaw malathion 0.15 percent
PLANTATION CROP         COFFEE       All stages         All stages <ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> </ul>				suspension containing sugar or jeggery at
COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				10 g/l.
<ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			LUNGLEI	
<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>	COFFEE	All stages	and water with the	
<ul> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			C	_
<ul> <li>zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			n (~~	
<ul> <li>tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>				
<ul> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>		(	M REAL	
buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			1 -2 1	
nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			LAWNGTLAU	-
Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			- SAIHA	- X
bag ah an sawn chhuak leh thin ani.			1 1	
2015				
2   Page		I	N N I	
			VIV A	2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL.	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	1 4 Y	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
		LAWNGTLAL	<ul> <li>hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



### **ICAR RESEARCH COMPLEX FOR NEH REGION**



		$\cap$	awm thin a , hei hi natna tlanglawn ber ani.
			<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
	2.1	1 2	chi reng reng enkawl nan Mancozeb
	1	N	@ 2gm ah tui leter 1 pawlha kah
<u> </u>	NT (	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	1	~~~ <i>1</i>	<ul> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
	2		hnim ring vawm khawm hi tui pek
	1	2 5 1	zawhah dah tur ani.
		2	Thlai chhina hmun (nursery) hi hnim a
	> MAMMET		to loh nan Pendimethalin @ 3.5ml hi
	1		tui liter 1 zelah pawlh a kah hi a tha
	30	ATZAWAL I	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 1	Hneh taka 1% Bordeaux chawhpawlh
	) 6	~ \ \ ~	emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a
	1	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
	1	LINGLER PL	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	8	1000	tui pek thin tur ani.
	5	n (~~	👎 Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		M Rel	+ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		20 1	rawn awm thina, hei hi natna
		Low marine and	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		6 N 3	P
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		4 N 2	<b>6</b>   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION



	Decession		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Panilehat Diagaga an pian atanga ni</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	L	4 <sup>th</sup> weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MACINIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	30	ANZAWAL I	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initiar atang a tur io inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		2 NJ	~
		1 L L	7   P a g e



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist



8 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Champhai

### Bulletin No: - 798/2018/ Bulletin/Mizo

**Period:** 13 June – 17 June, 2018

### Date of issue: 12<sup>th</sup> June, 2018

Parameters         13.06.2018         14.06.2018         15.06.2018         16.06.2018         17.06.2018           Rainfall (mm)         15         37         26         51         59           Max Temp (°C)         23         23         22         22         21           Min Temp (°C)         12         12         12         11         11           Cloud Coverage         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy
Max Temp (°C)         23         23         22         22         21           Min Temp (°C)         12         12         12         11         11           Cloud Coverage         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy
Min Temp (°C)1212121111Cloud CoverageMainly cloudyMainly cloudyMainly cloudyMainly cloudyMainly cloudyMainly cloudy
Cloud Coverage Mainly cloudy Mainly cloudy Mainly cloudy Mainly cloudy Mainly cloud
Max RH (%) 100 100 100 99
Min RH (%) 69 70 75 71 86
Wind Speed (KmpH)         2         2         2         2         3
*Wind Direction N-E E E S S-E
Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,
Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.
Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)
Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm
(341.8mm) (250.30mm) (87.2mm) (380.9mm)
Lawngtlai-321.51mmLunglei-344.00mmMamit-449.48mmSerchhip-411.72mm
(285.5mm) (186.21mm) (442.80mm) (259.8mm)
Weather summary of the past 13 <sup>th</sup> June – 17 <sup>th</sup> June, 2018 chhunga sik leh sa
three days dinhmun tur tlangpui
Maximum Tem. (°C):27-29°C Tun ni 5 chhung lo awm turah hian ruahtui tla miahl
Minimum Tem. (°C):17-19°C tura beisei a ni. Khua a lum lai berin 21-23°C a ni ang a.
vawii iai bei iii ii ii ii ii eiser a iii. Iai bai a
Wind Direction: Southoostorly
Cloud cover: Mainly cloudy Wind group de A 07 hm (hr
Wind speed: 4.27 km/hr hian khawthiang tak hmuh beisei a ni.
Rainfall: 147.3 mm Weekly cumulative rainfall: 188.0mm
NDVI for Mizoram Morth Last Region Mildly dry condition occurs in a
districts of Mizoram.
b
Agriculture vignur is moderate over some of the p region.
1   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

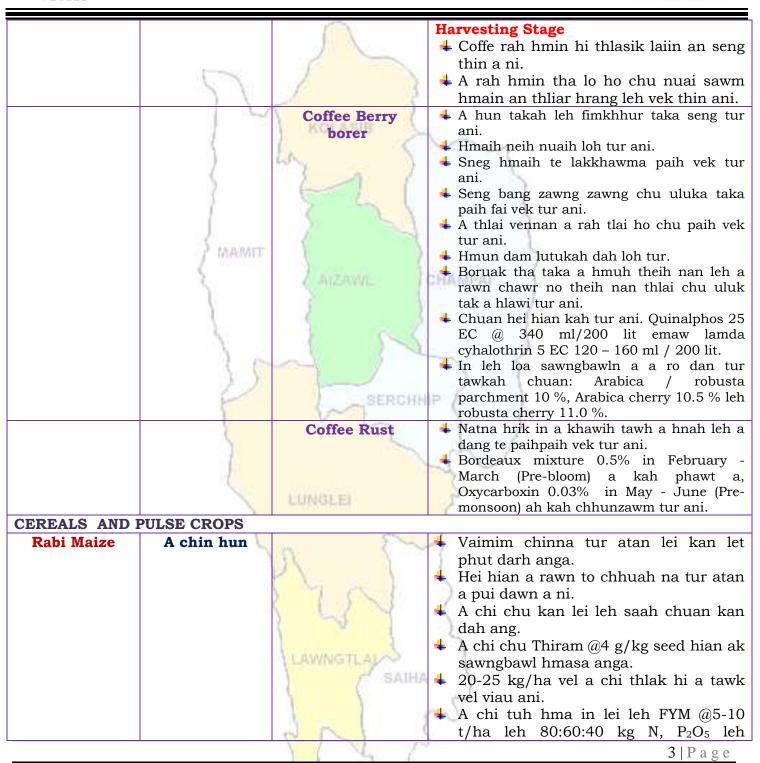


Animal (Fisheries       practices/ Pest/ Diseases       husbandry advisories         FRUITS CROPS       A kui atanga a seng hun       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       - Thla in aupang deuah chuan chawh kar tin a tui pek thin tur ani.       - Thlai naupang deuah chuan chawh kar tin a tui pek thin tur ani.         STAR FRUIT       - A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan heh a rah than that na te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       - Gummosis, citrus greening and Dieback       - Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       - Fruit fly RCM       - Huan zau taka huan a par tan tirh leh a rah tan tirin chawlikak nain Azospirillum leh Phosphobacterium a enkaul tur ani.         PLANTATION CROP       - All stages       - Thlai chi hilak hma in Azospirillum leh Phosphobacterium a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.         • Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.       - Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur atii.				
/Fisheries       Diseases         FRUITS CROPS       A kui atanga a seng hun <ul> <li>A kui atanga a seng hun</li> <li>And ACID</li> <li>LIME</li> <li>BANANA</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Tha anawh tawk a hmuh theilin a turin a hmunhma a hnim awm te thawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tha tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> <li>PEACH</li> <li>Cummosis, citrus greening and Dieback</li> <li>Fruit fly continue au takah chuan a part an tirh leh a spath te hnawih tur ani.</li> <li>Huan zu takah chuan a part an tirh leh a rah tan tin cabavlhkar hnih chhung chu heng te hian enkawl tur ani.</li> </ul> <li>PLANTATION CROP</li> <li>COFFFEE</li> <li>All stages</li> <li>PLANTATION crop</li> <li>COFFFEE</li> <li>All stages</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Nursery stage         <ul> <li>Thia ichi tulak hma in Azospirillum leh <i>Phosphobacterum a enkawl tur ani</i>.</li> <li>Nith tui pek tur ani a, asat lutuka loh nan zar hliah tur ani.</li> <li>Nith tui pek tur ani a, asat lutuka loh nan nin a chhun loh nan zar hliah tur ani.</li> <li>Nith tu jek tur ani a, asat lutuka loh nan</li></ul></li>	Main Crop/	Stage		Agricultural / Horticultural/ animal
FRUITS CROPS         KHASI MANDARIN AND ACID LIME         BANANA         BANANA         STAR FRUIT         FLUM AND PEACH         Commosis, citrus canker, citrus greening and Dieback         Fruit fly corf         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages	Animal		practices/ Pest/	husbandry advisories
KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chueun hnim hnah hring dia bul venlad hkhawm tur ani.         BANANA	/Fisheries		Diseases	
MANDARIN AND ACID LIME       a seng hun       vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.         BANANA       Image: Star FRUIT       Image: Star FRUIT         STAR FRUIT       Image: Star FRUIT       Image: Star FRUIT         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Image: Fruit fly RCH         Fruit fly RCH       Fruit fly RCH       Image: Fruit fly RCH         PLANTATION CROP       All stages       Nursery stage         PLANTATION CROP       All stages       Nursery stage         Image: Star FRUIT       All stages       Nursery stage         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit f	FRUITS CROPS		1	
MANDARIN AND ACID LIME       a seng hun       wennan chuan hnim hnah hring tlai bul welah dahkhawm tur ani.         BANANA       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.         STAR FRUIT       Image: Star for the star for	KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
AND ACID LIME BANANA BANANA STAR FRUIT Gummosis, citrus greening and Dieback COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE COFFEE COFFEE COFFEE All stages COFFEE	MANDARIN	the second se	KOLASIR	vennan chuan hnim hnah hring tlai bul
LIME       4 Thiai naupang deuah chuan chawih kar tin a tui pek thin tur ani.         BANANA       5 TAR FRUIT         STAR FRUIT       4 A seng hma kar 6 chung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback         Fruit fly       4 Temperture hniam lutuk leh hnawng vang ha ta a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan turi nehwihkar hnih chhung chu heng te lian enkawi tur ani.         PLANTATION CROP       All stages         COFFEE       All stages         Nursery stage       • A chi hi December – January ah mun zawi/nularem 1.5 - 2.5 cm a in hlatin tar munal tak siam in chin tur ani.         • A chi hi December – January ah mun zawi/nularem 1.5 - 2.5 cm a a in hlatin tar mumal tak siam in chin tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ani.	AND ACID	8	1 monorione 7	velah dahkhawm tur ani.
BANANA         BANANA         STAR FRUIT         STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly         Fruit fly         PLANTATION CROP         COFFEE         All stages         Nursery stage         Child the child		)	LA.	4 Thlai naupang deuah chuan chawlh
STAR FRUIT       Image: Control of the image: Co		(	3 4 1	
STAR FRUIT       Image: Star FRUIT         PLUM AND PEACH       Image: Star FRUIT         PLUM AND PEACH       Gummosis, citrus greening and Dieback       Image: Truit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly Fruit fly       Image: Star Fruit fly Fruit fly         Image: Star Fruit fly       Image: Star Fruit fly <th>BANANA</th> <th>1</th> <th></th> <th></th>	BANANA	1		
STAR FRUIT <ul> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah tkeh tur lakah t a veng thei ani.</li> <li>PLUM AND PEACH</li> <li>Gummosis, citrus greening and Dieback</li> <li>Fruit fly</li> <li>Fruit fly</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani.</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul> <li>PLANTATION CROP</li> <li>COFFEE</li> <li>All stages</li> <li>Nursery stage</li> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December - January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ahi.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ahi.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li>		1	2 2 1	
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Diebaack       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFFEE       All stages         Nursery stage       4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         With tur ani.       4 Nitin tui pek tur ani, a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.				
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         Fruit fly COFFEE       Fruit fly PLANTATION CROP       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         PLANTATION CROP       Fruit fly PLANTATION CROP       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawi tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage 4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Muit tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	STAR FRUIT	S LABOATT		
PLUM AND PEACH       keh tur lakah t a veng thei ani.         Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       Thai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		1 meaning	5	-
PEACH       Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a at am duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rang te hian enkawi tur ani. carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	DI LIM AND	30	AIZAWIL /	
Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         4 Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         4 A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				keh tur lakah t a veng thei ani.
canker, citrus       hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.	РЕАСП	1		
greening and Dieback       laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Variable       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         * A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Dieback       a trangah te hnawih tur ani.         Plantation CROP       Fruit fly         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Niti 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP         COFFEE       All stages         Mursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5.0		
PLANTATION CROP       All stages       Nursery stage         COFFEE       All stages       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		11		
PLANTATION CROP         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	FILITE ILYERCHN	
PLANTATION CROP         COFFEE       All stages         All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	Y La	
10 g/l.         PLANTATION CROP         COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5		percent emaw malathion 0.15 percent
PLANTATION CROP         COFFEE       All stages         All stages <ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> </ul>				suspension containing sugar or jeggery at
COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				10 g/l.
<ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			LUNGLEI	
<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>	COFFEE	All stages	and each and a second to	
<ul> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			C	_
<ul> <li>zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			n (~~	
<ul> <li>tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>				
<ul> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>		(	M REAL	
buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			1 -2 1	
nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			LAWNGTLAU	-
Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			- SAIHA	- X
bag ah an sawn chhuak leh thin ani.			1 1	
2015				
2   Page		I	N N I	
			VIV A	2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL.	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	1 4 Y	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
		LAWNGTLAL	<ul> <li>hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



### **ICAR RESEARCH COMPLEX FOR NEH REGION**



		$\cap$	awm thin a , hei hi natna tlanglawn ber ani.
			<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
	2.1	1 2	chi reng reng enkawl nan Mancozeb
	1	N	@ 2gm ah tui leter 1 pawlha kah
<u> </u>	NT (	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	1	~~~ <i>1</i>	<ul> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
	2		hnim ring vawm khawm hi tui pek
	1	2 5 1	zawhah dah tur ani.
		2	Thlai chhina hmun (nursery) hi hnim a
	> MAMMET		to loh nan Pendimethalin @ 3.5ml hi
	1	1	tui liter 1 zelah pawlh a kah hi a tha
	30	ATZAWAL I	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 1	Hneh taka 1% Bordeaux chawhpawlh
	) 6	~ \ \ ~	emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a
	1	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
	1	LINGLER PL	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	8	1000	tui pek thin tur ani.
	5	n (~~	👎 Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		M Rel	+ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		20 1	rawn awm thina, hei hi natna
		Low marine and	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		6 N 3	P
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		4 N 2	<b>6</b>   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION



	December		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Panilehat Diagaga an pian atanga ni</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	L	4 <sup>th</sup> weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MACINIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	30	ANZAWAL I	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initiar atang a tur io inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		2 NJ	~
		1 L L	7   P a g e



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



8 | Page



R RESEARCH COMPLEX FOR NEH REGION ICA

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District: Champhai**

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

### Date of issue: 12th June, 2018

Deverseters	10.00.0019	14.06.0018	15.00.0019	16.06.0018	17.06.0010	
Parameters	13.06.2018		15.06.2018	16.06.2018	17.06.2018	
Rainfall (mm)	15	37	26	51	59	
Max Temp (°C)	23	23	22	22	21	
Min Temp (°C)	12	12	12	11	11	
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	100	100	99	
Min RH (%)	69	70	75	71	86	
Wind Speed (KmpH)	2	2	2	2	3	
*Wind Direction	N-E	E	E	S	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- S-E,		
		Westerly- <mark>S-W</mark> , We				
		31, 2018 (Percent )			nthesis)	
Aizawl- 383.68mm	Champhai-	239.49mm S	aiha- 109.52 mn	n Kolasib-	352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			<mark>lamit-449.48mm</mark>	-	p-411.72mm	
(285.5mm)		186.21mm)	(442.80mm		(259.8mm)	
Weather summary	of the past	Weather fored	cast valid fron	1 13 <sup>th</sup> June, 20	18 To 17 <sup>th</sup>	
three day	s	June, 2018.				
Maximum Tem. (°C):2	27-29°C	There are chances of moderate to heavy rainfall during the				
Minimum Tem. (°C):1	7-19ºC	next 5 days. The maximum and minimum temperatures for				
Maximum RH (%):95-	100%	the next 5 days may range for 21-23°C and 11-12°C.				
Minimum RH (%):78-	89%	Maximum relative humidity is expected in the range of				
Wind Direction: Sout	heasterly	100% and minimum may from 69-86%. Wind direction would be northeasterly to easterly to southerly and				
Cloud cover: Mainly o	loudy					
Wind speed: 4.27 km	/hr					
-		southeasterly with the wind speed of 2-3 km per hour.				
Rainfall: 147.3 mm		Mainly cloudy sky will prevail during the next five days.				
		Weekly	cumulative r	ainfall: 188.0	mm	
NDVI for Mizoram		North East Region 23	Mildly dry	condition oc	curs in all	
		~~ =-	districts of			
		-	anothers of	111201 ann.		
		Front B				
			1			
		AB.	= J.			
		Agriculture vigour is moderate over some of the	parts Is			
		N C 1				
			N		1 D a c a	
		-	6		1   Page	



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



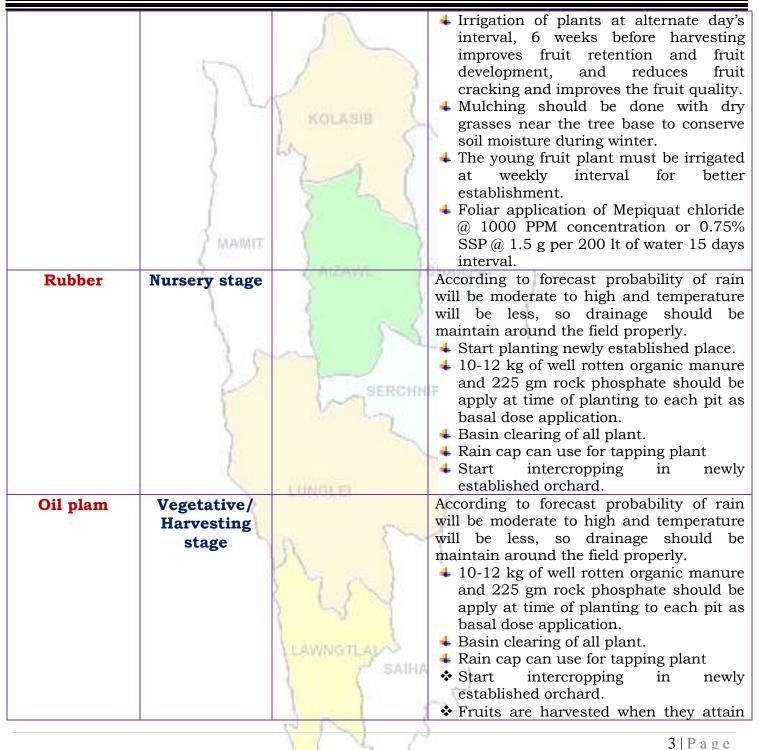
Mate O I	04	0-1/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	1	be less, so drainage should be maintain
LIME	J	LA.	around the field properly.
	(	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	1	the second second	nursery immediately after extraction in
	1	2 2 1	to a depth 1.5 to 2 cm extraction at
			10x5 cm distance. Seedlings are planted
PLUM AND	AMAINT		in secondary bed or polythene bags at 4-
PEACH	1	And the second s	6 leaf stages.
	30	A ATZAWAL	+ Potting mixture of soil, sand and FYM or
	1		compost should be in proper ratio.
		(	Application of split dose of fertilizer 600:
		S CL	200:100 (g/pt).
	1		+ Only certified seed should be used.
	500		Stagnation of water in beds should be suggided
	12		avoided.
	1	SERCH	4 In the citrus belt, trees can be planted
	1	N Lan	at any time; however, pre-monsoon is the best time for transplant or gap
	S		filling.
	all a		Standard-size trees should be spaced 12
	-t		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	2		distance depends on the variety. The
	10		bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	a0.04% $a1.2$ ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Blooming	- SAIH/	<b>4</b> If day temperature and prolong dry
	stage	( ( Shirt	spell occur it lead to Floral
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
II		C 1 1	
			2   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION

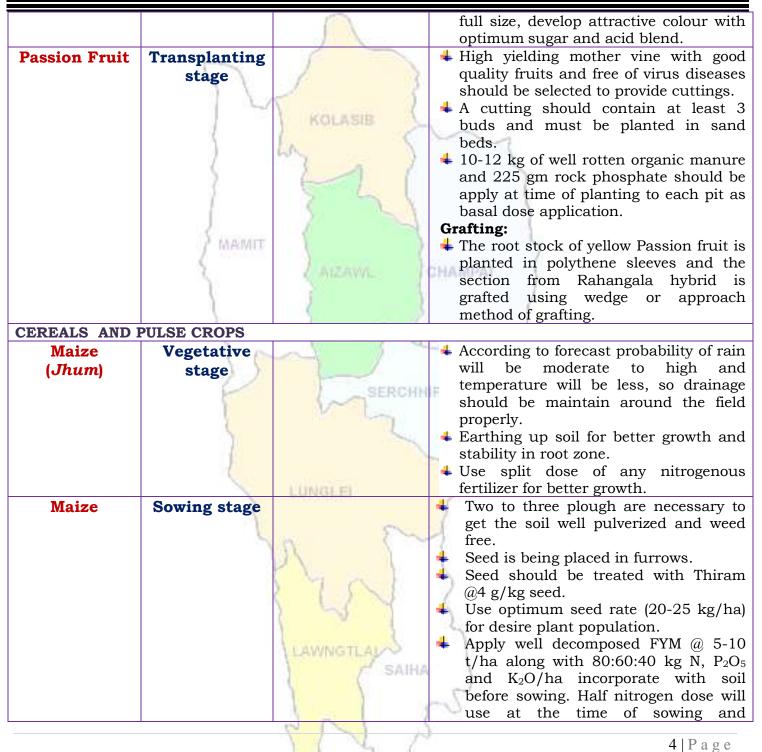






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination		4 According to forecast probability of rain
	stage	1	will be moderate to high and
		1 2	temperature will be less, so drainage
	L-d	5	should be maintain around the field
		KOLASIE	properly.
	1	E. S	<b>4</b> Earthing up soil for better growth and
	1	wy 2 1	stability in root zone.
	>		<b>4</b> Use split dose of any nitrogenous
		5 6	fertilizer for better growth.
Kharif pulses	Sowing stage	5.54	Land preparation or sowing in pits
(Green gram,	Roman	1	Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT	X 2	MOP @ 20: 60: 40 kg.
Rajma)	S	Laizana I	Use PSB 2g/kg for better germination.
VEGETABLE CRO			
Ginger and	Sowing stage	1	<b>+</b> Rhizome should be treated with Thiram
turmeric	36	3° all	@4 g/kg seed.
	· ); · .		4 Use optimum seed rate (50-60 kg/ha)
	20		for desire plant population.
	1)		Apply well decomposed FYM/ pig
	8	SERCHN	manure @ 10-20 t/ha along with
	1	V~t_	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	6		incorporate with soil before sowing. Half nitrogen dose will use at the time
	1		of sowing and remaining 25% after one
			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
	Fruiting stage	P M M CHEEK	rain will be moderate and temperature
us crop	1		will be less, so drainage should be
	5	n 2~~	maintain around the field properly.
		11	+ Provide split doses of urea (70g/pt) at
		Charles V	the time of full blooming.
		2 1 5 1	In large gardens apply carbaryl 0.2 per
		1 55 7	cent or malathion 0.15 per cent
			suspension containing sugar or
		LAWNGTLAN	jeggery at 10 g/l at fortnightly
		- SAIHA	intervals at flowering and fruit
		( ( 5411)4	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to	1211	+ According to forecast probability of
		TV A	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	flowering stage	KOLASIB Fruit fly	<ul> <li>rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
Cowpea	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	LAWINGTLAN	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	DARY		
Pig	All stages	22/1	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young</li> </ul>
			<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

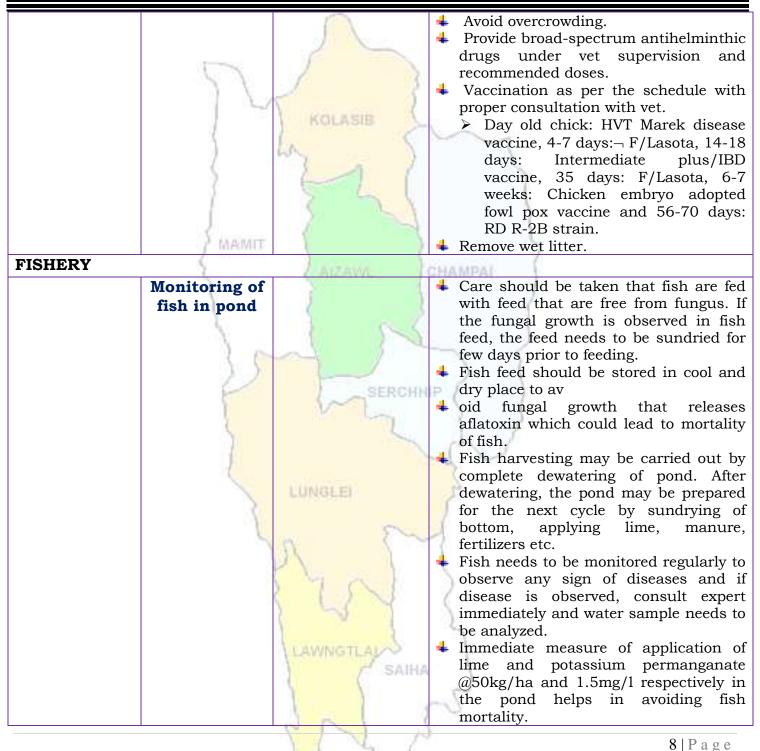


		Forcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group		<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Kolasib

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

Date of issue: 12<sup>th</sup> June, 2018

Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018		
Rainfall (mm)	15	18	28	34	27		
Max Temp (°C)	33	32	31	30	30		
Min Temp (°C)	16	15	15	15	15		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	100	99	100	99		
Min RH (%)	56	65	60	67	71		
Wind Speed (KmpH)	2	2	2	4	2		
*Wind Direction	N-E	N-E	N-E	S	S-E		
Northe	rly- <mark>N</mark> , North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
		31, 2018 (Percent o			nthesis)		
Aizawl- 383.68mm	· · · · · · · · · · · · · · · · · · ·		<mark>aiha</mark> - 109.52 mm		352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm		-411.72mm		
(285.5mm)		86.21mm)	(442.80mm		(259.8mm)		
Weather summary of		Weather forec		13 <sup>th</sup> June, 20	18 To 17 <sup>th</sup>		
three days		June, 2018.					
Maximum Tem. (°C):2		There are chances of moderate to heavy rainfall during the					
Minimum Tem. (°C):2	2-23ºC	next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):of 9	<b>3-99</b> %	the next 5 days may range for 30-33°C and 15-16°C. Maximum relative humidity is expected in the range of 99-					
Minimum RH (%):82-9							
Wind Direction: South	heasterly	100% and minimum may from 56-71%. Wind direction					
Cloud cover: Mainly o	loudy						
Wind speed: 4.40 km	/ חד	would be northeasterly to southerly and southeasterly with					
		the wind speed of 2-4 km per hour. Mainly cloudy sky will					
Rainfall: 175.3 mm		prevail during the next five days.					
		-		ainfall: 122.0			
NDVI for Mizoram		North East Region 2	Mildly dry	condition oc	curs in all		
		~~3 =-	districts of	Mizoram.			
		E A					
		man del	51				
		ALL I	= i				
		C. C	= 1				
		N/	parts				
		region.					
			19		1   P a g e		



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

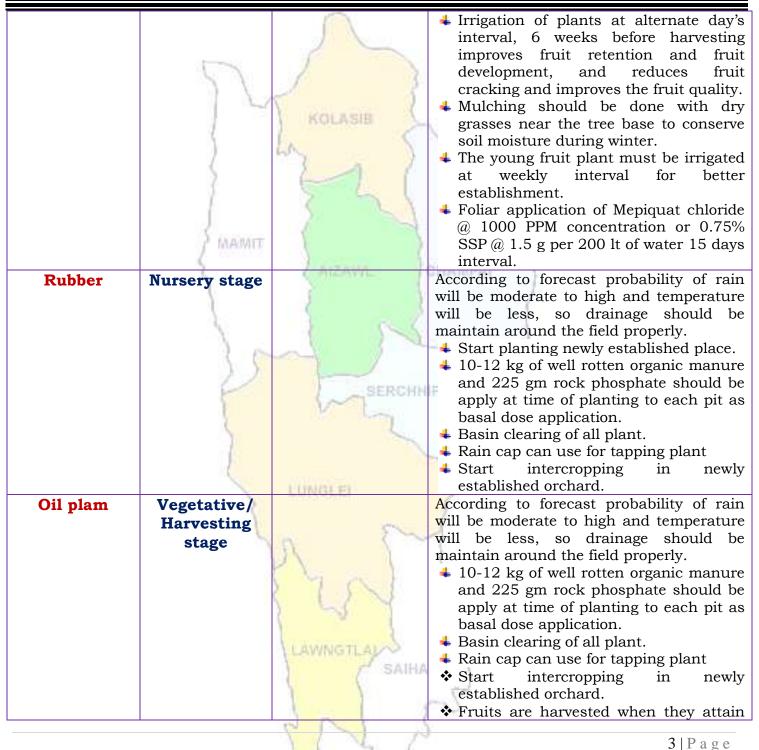


	<b>C</b> 4	0.1/		
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Nursery and	8	According to forecast probability of rain will	
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will	
AND ACID	stage	1 monoriality	be less, so drainage should be maintain	
LIME	Jugo	LA.	around the field properly.	
	(	3 . 1	<b>4</b> By seeds: Seed should be sown in the	
STAR FRUIT	2		nursery immediately after extraction in	
	1	2 5 1	to a depth 1.5 to 2 cm extraction at	
	1	2. 24	10x5 cm distance. Seedlings are planted	
PLUM AND	R.		in secondary bed or polythene bags at 4-	
PEACH	/ MAMIT	8	6 leaf stages.	
	5	ANZAWAL	+ Potting mixture of soil, sand and FYM or	
		Conservation of the	compost should be in proper ratio.	
	1	5	Application of split dose of fertilizer 600:	
	1	1 (A)	200:100 (g/pt).	
	1		4 Only certified seed should be used.	
	2 6	~ 1	4 Stagnation of water in beds should be	
	10)		avoided.	
	0	SERCH	4 In the citrus belt, trees can be planted	
	5	1 million	at any time; however, pre-monsoon is	
	1		the best time for transplant or gap	
	3	1	filling.	
	118		<b>4</b> Standard-size trees should be spaced 12	
	all and a second s		to 25 feet apart and dwarf trees should	
		LUNGLEI	be set 6 to 10 feet apart. The exact	
	3		distance depends on the variety. The	
		000	bigger the fruit, the farther the distance.	
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos	
		citrus Canker,	@0.04% @1.2 ml/lt of water.	
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5	
		Dieback, Lamon	ml/lit of water) at each flush emergence.	
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin	
		leaf minor	@0.6 g/lt of water.	
PLANTATION CROP				
COFFEE	Blooming	≓ SAIHA	4 If day temperature and prolong dry	
	stage		spell occur it lead to Floral	
	0		abnormalities like "Star Flower" in	
			Arabica and "Pink Flower" in Robusta.	
2   P a g e				



ICAR RESEARCH COMPLEX FOR NEH REGION

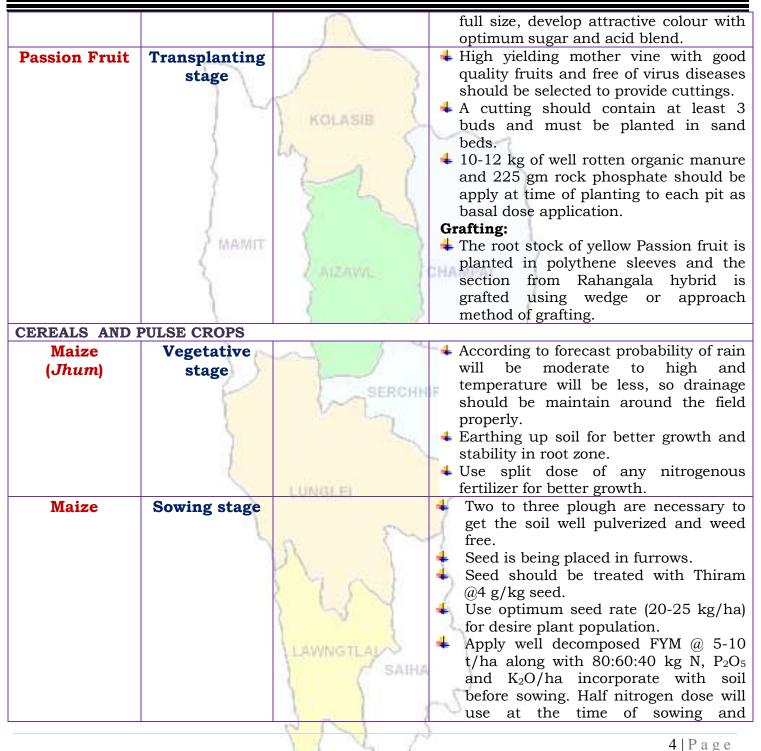






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			remaining 25% after one month and
		and the second	25% at flowering stage.
Jhum Rice	Germination		<b>4</b> According to forecast probability of rain
	stage	1	will be moderate to high and
		2 8	temperature will be less, so drainage
		N	should be maintain around the field
		KOLASIB	properly.
	1	E. S	<b>4</b> Earthing up soil for better growth and
	1	wy 2 1	stability in root zone.
	5		<b>4</b> Use split dose of any nitrogenous
	1	SE	fertilizer for better growth.
Kharif pulses	Sowing stage	5 54	Land preparation or sowing in pits
(Green gram,	2		4 Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT	$\chi$ $\gamma$	MOP @ 20: 60: 40 kg.
Rajma)	S	Laizour	<b>Use PSB 2g/kg for better germination</b> .
<b>VEGETABLE CR</b>	OP		
Ginger and	Sowing stage	5	<b>4</b> Rhizome should be treated with Thiram
turmeric	200	a de	@4 g/kg seed.
	1		Use optimum seed rate (50-60 kg/ha)
	2 6		for desire plant population.
	1)		Apply well decomposed FYM/ pig
		SERCHN	manure @ 10-20 t/ha along with
	1	w l	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	1		incorporate with soil before sowing.
			Half nitrogen dose will use at the time
	1.05		of sowing and remaining 25% after one
<b>a 1 1</b>			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	1		rain will be moderate and temperature
	L.	500	will be less, so drainage should be
		$\mathcal{A}$	<ul> <li>maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at</li> </ul>
		PA	the time of full blooming
		7 61	In large gardens apply carbaryl 0.2 per
		1 LOY	cent or malathion 0.15 per cent
			suspension containing sugar or
		Contractor and Contractor	jeggery at 10 g/l at fortnightly
		LAWNGTLAN	intervals at flowering and fruit
		SAIHA	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to		+ According to forecast probability of
	8	0 0 0	
		146	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	flowering stage		rain will be moderate and temperature will be less, so drainage should be
	50	$\langle \rangle$	<ul> <li>maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous</li> </ul>
	Į	KOLASIB	<ul> <li>fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> </ul>
	MAMIT	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
Ohan	J.	SERCHH	<ul> <li>stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	LAWNGTLAN	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	NDARY		
Pig	All stages	2213	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young</li> </ul>
		YIN M	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

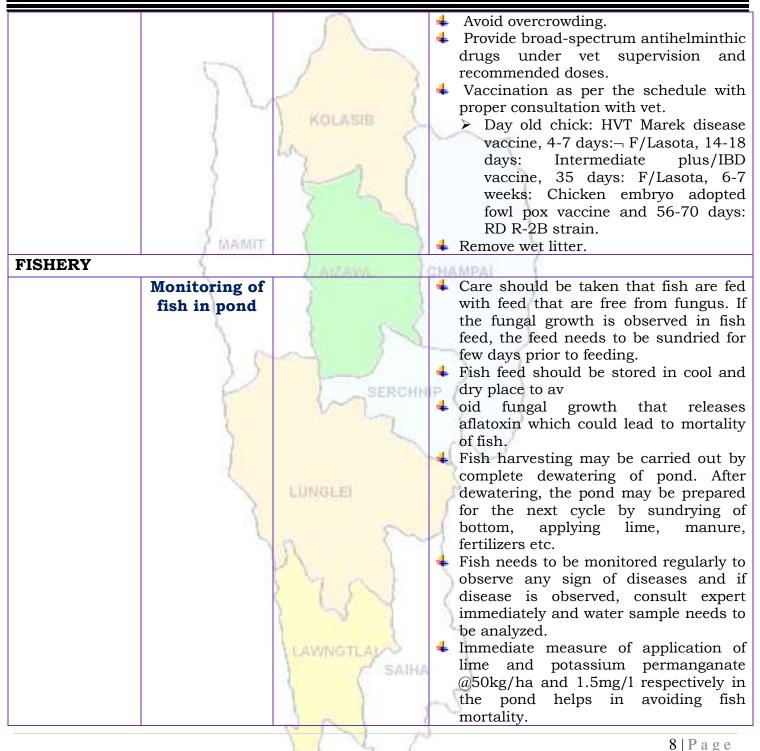


		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group		<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District: Kolasib**

Bulletin	<b>No:</b> -	798/2018	/ Bull	etin/Mizo
			S	0

**Period:** 13 June – 17 June, 2018

#### Date of issue: 12<sup>th</sup> June, 2018

			4.			
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018	
Rainfall (mm)	15	18	28	34	27	
Max Temp (°C)	33	32	31	30	30	
Min Temp (°C)	16	15	15	15	15	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	100	99	100	99	
Min RH (%)	56	65	60	67	71	
Wind Speed (KmpH)	2	2	2	4	2	
*Wind Direction	N-E	N-E	N-E	S	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent ) i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib m) m Serchhij	nthesis) 352.38mm (380.9mm) p-411.72mm (259.8mm)	
Weather summary of three day	of the past s	13 <sup>th</sup> June – 17 <sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):of 9 Minimum RH (%):82-9 Wind Direction: Sout Cloud cover: Mainly of Wind speed: 4.40 km Rainfall: 175.3 mm	2-23°C 93-99% 99% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 99-100% l niin. Thli hi dar awi zawngin a th hian khawthiang Weekh	Khua a lum lai 15-16ºC ni tu eh a hniam la kar khatah 2-4 eh rin a ni. A tl g tak hmuh bei	berin 30-33°C ura beisei a ni i berin 56-71% 4 km vela chak angpuiin tun n	a ni ang a. A . RH san lai o ni tur a rin cin chhaklam i nga chhung	
NDVI for Mizoram		North East Region 29 for		condition oc		
		rN.	A		1   Page	

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

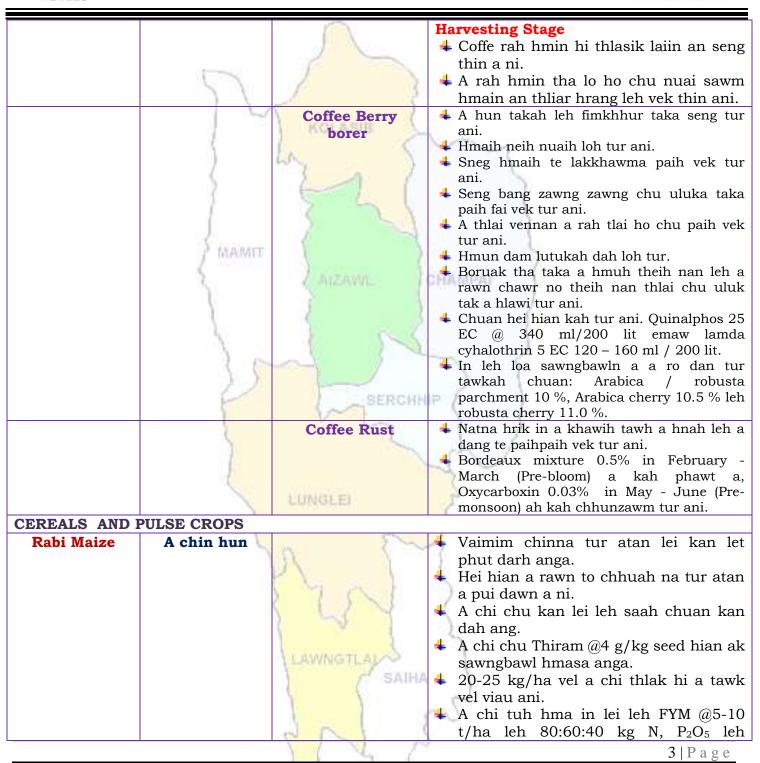


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		C C	velah dahkhawm tur ani.
LIME	)	LA N	<b>4</b> Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	1		🖊 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	MAINT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	2	S	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
FEACH		Cummosia eitmus	<b>4</b> Temperture hniam lutuk leh hnawng vang
		Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna
	1	greening and	laka vennan Bordeaux past hi thing zar leh
	100	Dieback	a trangah te hnawih tur ani.
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu
	5	No. Com	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
		~	suspension containing sugar or jeggery at
DI ANGAGION OD	0.7		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	550	+ Thlai chi thlak hma in Azospirillum leh
	1	n (~~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 7 25-1	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
		A second s	<b>4</b> Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		SAIHA	ani.
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N N	
		VIL C	2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWAL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAN	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek</li> </ul>
		SAIHA	zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and	Nursery stage	Poly house	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
capsicum	MAMIT	AIZAWL	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	1 (19)(2) E)	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
		6 N 2	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	AMAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		8 N 2	6   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION



<ul> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>				
measures       1-6 ah F1 vaccine pek tur ani a, chuat a puttingh chuan R2B vaccine pek tur ani.         4th weeks       Coccidiosis- Amprolium o coccidiostat         4-5th Weeks       Coccidiosis- Calcium tonic fortified with B12         PISHERY       Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a phoro phawt tur ani.         * Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatxin avang a sangha thi la' atangin sangha a him phah thin.         Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih at i awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.         Sangha te nata a anta hmuh anii chuan pek tur ani.         A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiaa sangha natna avang a thi tur la' atangin a veng thei.		5	$\sum$	<ul> <li>tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
A puitlingh chuan R <sub>2</sub> B vaccine pek tu ani. B complex with antibodies 4 th weeks 4 - 5th Weeks 4 - 5th Weeks 4 - Calcium tonic fortified with B <sub>12</sub> 7ISHERY Monitoring (Sangha enkawl) 5 Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. 5 Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. 5 Dil sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. 5 A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l ditui a hman hia sangha natna avang a thi tur lal atangin a veng thei.		10	0-3 rd week	
4th weeks       4 Coccidiosis- coccidiostat       Amprolium coccidiostat         4-5th Weeks       4 Calcium tonic fortified with B12         PISHERY       4 Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw ilo hmuar anih chuan pek hma in ni si a phoro phawt tur ani.         Sangha chaw hi enkawi)       5 Sangha te hi chaw a hmuar kai h thunn ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.         Dil sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawm phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.         Sangha te natna lak atangin an him en tih enfiah foa tur ani.         A ranglam a chinai @50kg/ha lel tusen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei.		measures	m2)	a puitlingh chuan R <sub>2</sub> B vaccine pek tu
4-5th Weeks         FISHERY         Monitoring (Sangha enkawl)         (Sangha enkawl)         Amage: Sangha (Sangha enkawl)         Sangha (Sangha enkawl)         Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a phoro phawt tur ani.         Sangha chaw hi a hmuar lohna turii hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.         Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn, phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.         Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.         A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lal atangin a veng thei.		5	SL	븆 B complex with antibodies
4-5th Weeks       4 Calcium tonic fortified with B12         FISHERY       Sangha enkawl)       Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw io hmuar anih chuan pek hma in ni si a phoro phawt tur ani.         Sangha chawl       Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lad atangin sangha a him phah thin.         Dil sah kang veka sangha man thin hian a kumleh a sangha hawinan a di buatsaih a ti awlsam a, dil mawn, phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.         Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.         A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lal atangin a veng thei.			4 <sup>th</sup> weeks	<b>4 Coccidiosis</b> - Amprolium c
<ul> <li>FISHERY</li> <li>Monitoring (Sangha enkawi)</li> <li>Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Di sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>		Same	1	coccidiostat
<ul> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>		T INPOVIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
<ul> <li>(Sangha enkawi)</li> <li>(Sangha enkawi)</li> <li>(Sangha enkawi)</li> <li>(Sangha chawi)</li> <li>(Sangha a him paha thin.</li> <li>(Di sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>(Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>(A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>	FISHERY	3	A AIZAWIL	CHAMPAI }
		(Sangha		<ul> <li>chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
			C 1 1	7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



#### **District:** Lawngtlai

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

#### Date of issue: 12<sup>th</sup> June, 2018

			4.1			
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018	
Rainfall (mm)	17	37	26	51	49	
Max Temp (°C)	31	30	29	28	27	
Min Temp (°C)	15	14	14	14	14	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	98	98	98	98	
Min RH (%)	54	53	79	75	91	
Wind Speed (KmpH)	2	2	3	4	2	
*Wind Direction	S-E	E	E	S-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
		31, 2018 (Percent				
Aizawl- 383.68mm	· · · · · · · · · · · · · · · · · · ·		<mark>aiha-</mark> 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm		-411.72mm	
(285.5mm)		86.21mm)	(442.80mm	<u> </u>	(259.8mm)	
Weather summary						
three day		June, 2018.				
Maximum Tem. (°C):2		There are chances of moderate to heavy rainfall during the				
Minimum Tem. (°C):1		next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-31°C and 14-15°C.				
Maximum RH (%):95-						
Minimum RH (%):76-		Maximum relativ	ve humidity is o	expected in the	range of 98-	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	99% and minin	num may from	n <sup>-</sup> 53-91%. Wi	ind direction	
Cloud cover: Mainly of			<i>u</i>			
Wind speed: 3.38 km	/hr	would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will				
		prevail during the next five days.				
Rainfall: 125.3 mm		prevan during the next live days.				
		Weeklu	oumulativo n	ainfall: 180.0		
NDVI for Mizoram			windly dry	condition oc	curs in all	
		53	districts of	Mizoram.		
		Sugar -				
		222				
		AS-	}			
		8				
		Agriculture vigour is moderate over some of the region.	parts Is			
		P N	2			
		1 Charles			1   Page	



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

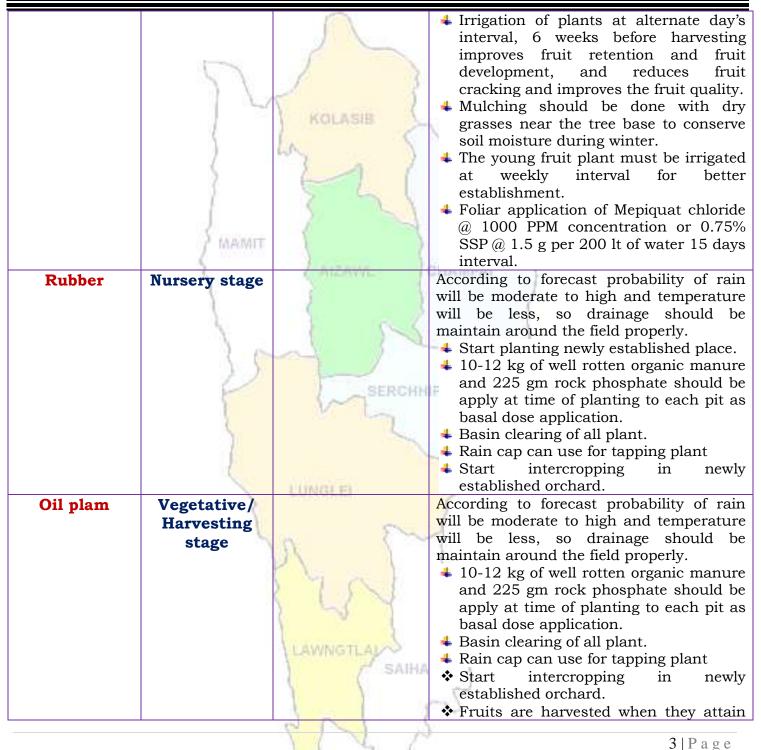


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	2 8	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	hulasin	be less, so drainage should be maintain
LIME	Stage	Ex. S	around the field properly.
	1	7 A 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	2		nursery immediately after extraction in
	2	5 5 1	to a depth 1.5 to 2 cm extraction at
	1	5. 54	10x5 cm distance. Seedlings are planted
PLUM AND	2		in secondary bed or polythene bags at 4-
PEACH	/ MAMIT		6 leaf stages.
I DACH	5	ATZAWA	+ Potting mixture of soil, sand and FYM or
	5	Concernance 1	compost should be in proper ratio.
	1	5	Application of split dose of fertilizer 600:
	5	Sec. 10	200:100 (g/pt).
	1	1 55	• Only certified seed should be used.
	) 6		+ Stagnation of water in beds should be
	101		avoided.
	0	SERCH	
		(~)	at any time; however, pre-monsoon is
	1	and the second	the best time for transplant or gap
	1	1	filling.
		· · · · · · · · · · · · · · · · · · ·	Standard-size trees should be spaced 12
	1 C		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3		distance depends on the variety. The
	1	000	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor-</b> Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Blooming	≓ saiH/	4 If day temperature and prolong dry
	stage		spell occur it lead to Floral
	0		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
		6 1 1	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

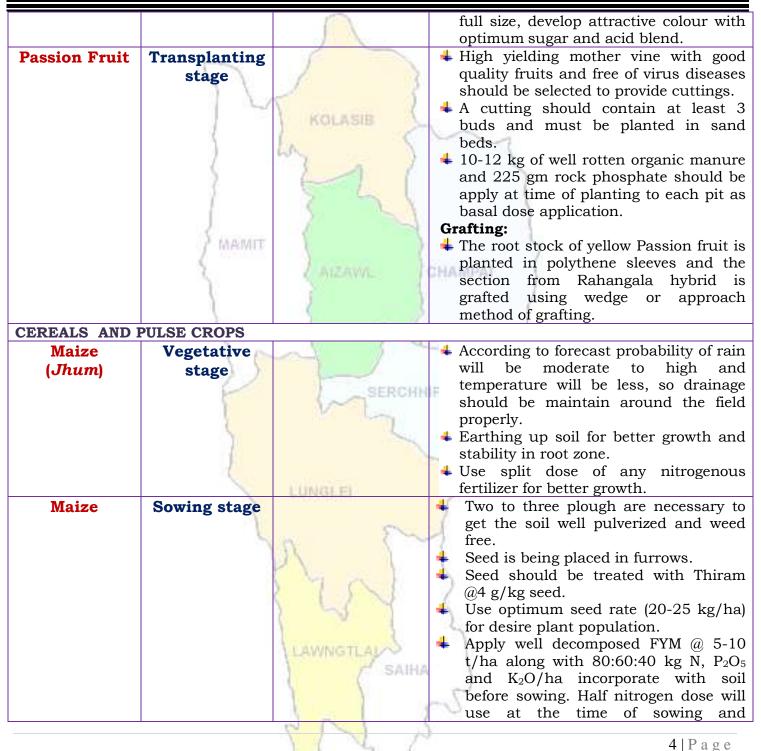






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Jhum Rice       Germination stage <ul> <li>According to forecast probability of will be moderate to high temperature will be less, so drain should be maintain around the field property.</li> <li>Earthing up soil for better growth stability in root zone.</li> <li>Use split dose of any nitrogen fertilizer for better growth.</li> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP an MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germinati @4 g/kg seed.</li> <li>Use PSB 2g/kg for better germinati @4 g/kg seed.</li> <li>Use PSB 2g/kg no better germinati @4 g/kg seed.</li> <li>Use PSB 2g/kg no better germinati @4 g/kg seed.</li> <li>Use PSB 2g/kg no better germinati @4 g/kg seed.</li> <li>Use PSB 2g/kg no better germinati @4 g/kg seed.</li> <li>Use PSB 2g/kg no better germinati @4 g/kg seed.</li> <li>Use PSB 2g/kg no better germinati @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/h for desire plant population.</li> <li>Apply well decomposed FYM/ manure @ 10-20 t/ha along vil20:80:60 kg N, P_2O_5 and K_2O incorporate with soil before sow Half nitrogen dose will use at the to forwing and remaining 25% after month and 25% at flowering stage.</li> </ul> <li>Cucurbitaceo us crop</li> <li>Fruiting stage</li> <li>According to forecast probability rain will be less, so drainage should maintain around the field properly.</li> <li>According to forecast probability rain will be less, so drainage should maintain around the field properly.</li> <li>In large gardens apply carbarly 0.2</li>	and
Jhum Rice       Germination stage       4 According to forecast probability of 1 will be moderate to high temperature will be less, so drain should be maintain around the in property.         Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       4 Land preparation or sowing in pits         WEGETABLE CROP       4 Rhizome should be treated with Thin @4 g/kg seed.         WegetTable CROP       4 Rhizome should be treated with Thin @4 g/kg seed.         Cucurbitaceo us crop       Fruiting stage       4 Rhizome should be treated with Thin @4 g/kg seed.         Fruiting stage       4 According to forecast probability rain will be moderate and tempera will be less, so drainage should maintain around the field property.	
stagewill be moderate to high temperature will be less, so drain should be maintain around the in properly.Kharif pulses (Green gram, Black gram and Rajma)Sowing stage4Land preparation or sowing in pits Inorganic fertilizer for better growth.Kharif pulses (Green gram, Black gram and Rajma)Sowing stage4Land preparation or sowing in pits Inorganic fertilizer for better growth.Kharif pulses (Green gram, Black gram and Rajma)Sowing stage4Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP an MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germinati Use PSB 2g/kg for better germinati Use PSB 2g/kg for better germinati @ 4g/kg seed. 44VEGETABLE CROP4Rhizome should be treated with Thin @ 4g/kg seed. 44Cucurbitaceo us cropFruiting stage4According to forecast probability rain will be moderate and tempera will be less, so drainage should maintain around the field properly.Cucurbitaceo us cropFruiting stage4According to forecast probability rain will be moderate and tempera will be less, so drainage should maintain around the field properly. 4	
Kharif pulses (Green gram, Black gram and turmeric       Sowing stage       Image: Compute the stability in root zone.         Kharif pulses (Green gram, Black gram and turmeric       Sowing stage       Image: Compute the stability in root zone.         Kharif pulses (Green gram, Black gram and turmeric       Sowing stage       Image: Compute the stability in root zone.         Kharif pulses (Green gram, Black gram and turmeric       Sowing stage       Image: Compute the stability in root zone.         Kharif pulses (Green gram, Black gram and turmeric       Sowing stage       Image: Compute the stability in root zone.         Kajma)       Viet Stability in root zone.       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage       Image: Compute the stability in root zone.         King stage: Compute the stability rain will be moderate and temperation will be less, so d	
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Sowing stage       Image: Sowing stage         Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Sowing stage       Image: Sowing stage         VEGETABLE CROP       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Ginger and turmeric       Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Ginger and turmeric       Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Ginger and turmeric       Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Cucurbitaceo us crop       Fruiting stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Veccurbitaceo us crop       Fruiting stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Veccurbitaceo us crop       Fruiting stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Veccurbitaceo us crop       Fruiting stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Veccurbitaceo us crop       Fruiting stage       Image: Sowing stage       Image: Sowing stage       Ima	and
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Sowing stage <t< th=""><th></th></t<>	
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Sowing stage       Image: Sowing stage         VEGETABLE CROP       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         VEGETABLE CROP       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         VEGETABLE CROP       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         VEGETABLE CROP       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Cucurbitaceo       Sowing stage       Image: Sowing and remaining 25% after month and 25% at flowering stage.       Image: Sowing and remaining 25% after month and 25% at flowering stage.         Cucurbitaceo       Fruiting stage       Image: Sowing stage       Image: Sowing stage       Image: Sowing stage         Use crop       Fruiting stage       Image: Sowing and remaining 25% after month and 25% at flowering stage.       Image: Sowing stage month and 25% at flowering stage.         Rest       Image: Sowing stage       Image: Sowing stage month and 25% at flowering stage.       Image: Sowing stage month and 25% at flowering stage.         Use crop       Fruiting stage       Image: Sowing stage month and 25% at flowering stage.       Image: Sowing stage month and 25% at flowering stage.	ield
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Land preparation or sowing in pits         WEGETABLE CROP       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Rhizome should be treated with Thir @4 g/kg seed.         Wight Stage       Rhizome should be treated with Thir @4 g/kg seed.         Use optimum seed rate (50-60 kg/h: for desire plant population.         Apply well decomposed FYM/ manure @ 10-20 t/ha along vi 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       According to forecast probability rain will be moderate and temperar will be less, so drainage should maintain around the field properly.	
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Land preparation or sowing in pits         WegeTABLE CROP       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Land preparation or sowing in pits         VEGETABLE CROP       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         VEGETABLE CROP       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits	and
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Inand preparation or sowing in pits         MOP @ 20: 60: 40 kg.       Inorganic fertilizer like Urea, SSP an MOP @ 20: 60: 40 kg.         VEGETABLE CROP       Verease         Ginger and turmeric       Sowing stage         We g kg seed.       We optimum seed rate (50-60 kg/hm for desire plant population.         Apply well decomposed FYM/ manure @ 10-20 t/ha along vi 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage         Verease us crop       Fruiting stage	
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Inorganic fertilizer like Urea, SSP at MOP @ 20: 60: 40 kg.         VEGETABLE CROP       Inorganic fertilizer like Urea, SSP at MOP @ 20: 60: 40 kg.       Use PSB 2g/kg for better germinative Use PSB 2g/kg for better germinative (Green gram, Rajma)         VEGETABLE CROP       Image: Sowing stage       Image: Raise should be treated with Thin @4 g/kg seed.         Ginger and turmeric       Sowing stage       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should be treated with Thin @4 g/kg seed.       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should be treated with Thin @4 g/kg seed.       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should be treated with Thin @4 g/kg seed.       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should be treated with Thin @4 g/kg seed.       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should be treated with Thin @4 g/kg seed.       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should be treated with Thin @4 g/kg seed.       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should be treated with Thin @4 g/kg seed.       Image: Raise should be treated with Thin @4 g/kg seed.         Image: Raise should maintain around the field properly.       Image: Raise should maintain around the field properly.         Image: Raise sho	ous
(Green gram, Black gram and Rajma)       Inorganic fertilizer like Urea, SSP at MOP @ 20: 60: 40 kg.         VEGETABLE CROP       Issue PSB 2g/kg for better germinati VEGETABLE CROP         Ginger and turmeric       Sowing stage         VEGETABLE CROP       Rhizome should be treated with Thin @4 g/kg seed.         Use optimum seed rate (50-60 kg/hr for desire plant population.         Apply well decomposed FYM/ manure @ 10-20 t/ha along v 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       According to forecast probability rain will be moderate and temperat will be less, so drainage should maintain around the field properly.         Provide split doses of urea (70g/pt) the time of full blooming	
Black gram and Rajma)       MOP @ 20: 60: 40 kg.         VEGETABLE CROP       Use PSB 2g/kg for better germinati         Ginger and turmeric       Sowing stage         Weget and turmeric       Sowing stage         Image: Sowing stage       Rhizome should be treated with Thin @4 g/kg seed.         Image: Sowing stage       Image: Sowing stage         Image: Sowing stage       Image: Sowing stage: Sowing stage         Image: Sowing s	ad
Rajmal       Use PSB 2g/kg for better germinati         VEGETABLE CROP       4 Rhizome should be treated with Thin @4 g/kg seed.         Ginger and turmeric       Sowing stage       4 Rhizome should be treated with Thin @4 g/kg seed.         Use optimum seed rate (50-60 kg/h. for desire plant population.       4 Apply well decomposed FYM/ manure @ 10-20 t/ha along vi 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       4 According to forecast probability rain will be moderate and temperativil be less, so drainage should maintain around the field properly.	Ia
VEGETABLE CROP         Ginger and turmeric       Sowing stage       A Rhizome should be treated with Thin @4 g/kg seed.         Use optimum seed rate (50-60 kg/h, for desire plant population.       Use optimum seed rate (50-60 kg/h, for desire plant population.         Apply well decomposed FYM/ manure @ 10-20 t/ha along vi 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       According to forecast probability rain will be moderate and temperativily will be less, so drainage should maintain around the field properly.         Provide split doses of urea (70g/pt the time of full blooming	212
Ginger and turmeric       Sowing stage       + Rhizome should be treated with Thin @4 g/kg seed.         + Use optimum seed rate (50-60 kg/hi for desire plant population.       + Apply well decomposed FYM/ manure @ 10-20 t/ha along vi 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       + According to forecast probability rain will be moderate and temperativity will be less, so drainage should maintain around the field properly.         + Provide split doses of urea (70g/pt the time of full blooming	<u>, , , , , , , , , , , , , , , , , , , </u>
turmeric       @4 g/kg seed.         use optimum seed rate (50-60 kg/h, for desire plant population.         Apply well decomposed FYM/ manure @ 10-20 t/ha along works and the second	am
<ul> <li>Use optimum seed rate (50-60 kg/h. for desire plant population.</li> <li>Apply well decomposed FYM/ manure @ 10-20 t/ha along were 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.</li> <li>Cucurbitaceo us crop</li> <li>Fruiting stage</li> <li>According to forecast probability rain will be moderate and temperative will be less, so drainage should maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt the time of full blooming</li> </ul>	
Cucurbitaceo       Fruiting stage       Image: Cucurbitaceo       Image: According to forecast probability rain will be moderate and temperative will be less, so drainage should maintain around the field properly.         Provide split doses of urea (70g/pt the time of full blooming	a)
Cucurbitaceo us cropFruiting stageFruiting stageAccording to forecast probability rain will be less, so drainage should maintain around the field properly.Provide split doses of urea (70g/pt the time of full bloomingFruiting stageImage: Cucurbitaceo the time of full blooming.	
Cucurbitaceo us cropFruiting stage4According to forecast probability rain will be less, so drainage should maintain around the field properly.Provide split doses of urea (70g/pt the time of full bloomingFruiting stage120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the to of sowing and remaining 25% after month and 25% at flowering stage.	pig
Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageFruiting stageAccording to forecast probability rain will be moderate and temperat will be less, so drainage should maintain around the field properly.Provide split doses of urea (70g/pt the time of full blooming	
Cucurbitaceo us cropFruiting stage+ According to forecast probability rain will be moderate and temperativily will be less, so drainage should maintain around the field properly.Provide split doses of urea (70g/pt the time of full blooming	
Cucurbitaceo       Fruiting stage       Image: Cucurbitaceo       Image: Cucurbitaceo         us crop       Image: Cucurbitaceo       Image: Cucurbitaceo       Image: Cucu	
Cucurbitaceo       Fruiting stage         us crop       Fruiting stage         us crop       According to forecast probability rain will be moderate and temperative will be less, so drainage should maintain around the field properly.         Provide split doses of urea (70g/pt the time of full blooming	
Cucurbitaceo us cropFruiting stageAccording to forecast probability rain will be moderate and temperativity will be less, so drainage should maintain around the field properly.Provide split doses of urea (70g/pt the time of full blooming	one
<ul> <li>us crop</li> <li>rain will be moderate and temperative will be less, so drainage should maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt the time of full blooming</li> </ul>	f
will be less, so drainage should maintain around the field properly. Provide split doses of urea (70g/pt the time of full blooming	
maintain around the field properly. Provide split doses of urea (70g/pt the time of full blooming	
<ul> <li>Provide split doses of urea (70g/pt</li> <li>the time of full blooming</li> </ul>	be
the time of full blooming	) at
	,
The factor of th	per
cent or malathion 0.15 per o	
suspension containing sugar	or
jeggery at 10 g/l at fortnig	•
intervals at flowering and f	ruit
initiation against fruit fly	and
pumpkin beetle.	
Chilli Vegetative to 4 According to forecast probability	
5   P a g	01



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	flowering stage	KOLASIB Fruit-fly	<ul> <li>rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 at fortnightly intervals at flowering and fruit</li> </ul>
Cowpea	Vegetative stage	AIZAWL	<ul> <li>initiation.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous</li> </ul>
Okra	Vegetative stage	LUNGLEI	<ul> <li>fertilizer for better growth.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	LAWNGTLAN	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	IDARY		
Pig	All stages	22/2	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young</li> </ul>
		1 L C	<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

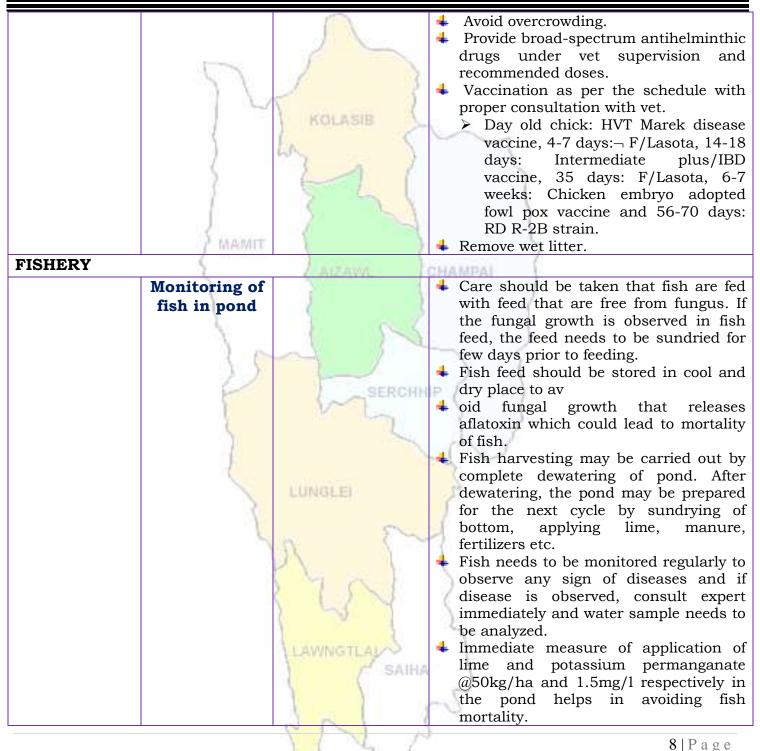


		Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	LUNGLEI	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>
		6121	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Lawngtlai

Bulletin	<b>No:</b> -	798/2018	8/ 1	Bulletin/Mizo	
			100	1 6	

Period: 13 June - 17 June, 2018

#### Date of issue: 12th June, 2018

			4.5			
Parameters	13.06.2018		15.06.2018	16.06.2018	17.06.2018	
Rainfall (mm)	17	37	26	51	49	
Max Temp (°C)	31	30	29	28	27	
Min Temp (°C)	15	14	14	14	14	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	98	98	98	98	
Min RH (%)	54	53	79	75	91	
Wind Speed (KmpH)	2	2	3	4	2	
*Wind Direction	S-E	E	E	S-E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m) Mamit-449.48m (442.80m	m Kolasib- m) m Serchhij	nthesis) 352.38mm (380.9mm) p-411.72mm (259.8mm)	
Weather summary of three days	of the past s	13 <sup>th</sup> June – 17 <sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):95- Minimum RH (%):76-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 3.38 km	7-19°C 99% 94% heasterly cloudy /hr	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-31°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin of 98-99% leh a hniam lai berin 53-91% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Rainfall: 125.3 mm		Weekly cumulative rainfall: 180.0mm			mm	
NDVI for Mizoram		North East Region 23 da	Moderately conditions	wet mildly dr	y/mildly wet	
		5N7	P		1   P a g e	



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

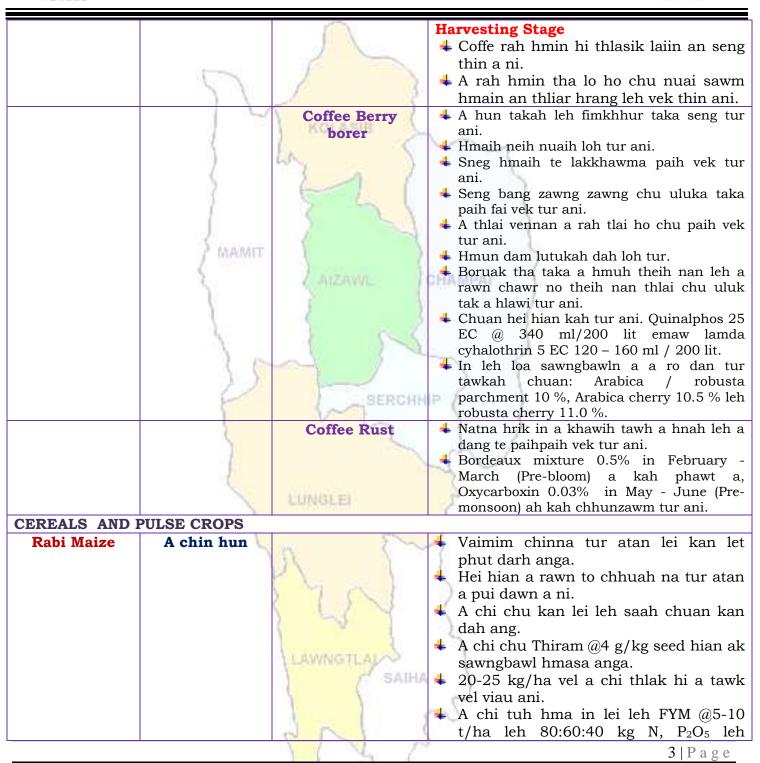


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		<u>.</u>	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 moundaire 2	velah dahkhawm tur ani.
LIME	)	La J	🖊 Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	1		🖊 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	3	Z AIZAWAL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	Nº La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	10 m		10 g/l.
PLANTATION CR			
COFFEE	All stages	1000 (1000 (1000))	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
	5	n ?~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		( ( Shink	ani.
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		8 N A	21D
			2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		VII P	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



Onion and	Numeror	KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		6 N 2	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Vawknote emaw vawk lak hran.</li> <li>CHAMPAL</li> </ol>
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		900	<b>6</b>   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga n
	measures		1-6 ah F1 vaccine pek tur ani a, chuai
		~~~ )	a puitlingh chuan R <sub>2</sub> B vaccine pek tu
	>		ani.
	1	5 6	B complex with antibodies
		4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium o
	Swanner		coccidiostat
	[ MADALI	4-5 <sup>th</sup> Weeks	+ Calcium tonic fortified with $B_{12}$
FISHERY	1	AIZAWIL	CHAMPAI
	Monitoring (Sangha enkawl)	LUNGLEI	<ul> <li>Sangha te hi chaw a hmuar kai le chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>
		S 1 1	710000
			7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Lunglei

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

#### Date of issue: 12<sup>th</sup> June, 2018

	1 1		(C)				
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018		
Rainfall (mm)	14	19	18	51	65		
Max Temp (°C)	33	32	30	30	29		
Min Temp (°C)	15	15	15	14	14		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	100	100	100	100		
Min RH (%)	54	54	84	72	85		
Wind Speed (KmpH)	2	2	2	4	2		
*Wind Direction	E	E	Е	S-E	Е		
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Pre Mo		31, 2018 (Percent )					
Aizawl- 383.68mm	-		<mark>aiha</mark> - 109.52 mm		352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm		0-411.72mm		
(285.5mm)		.86.21mm)	(442.80mn	*	(259.8mm)		
Weather summary	-						
three day		June, 2018.					
Maximum Tem. (°C):2		There are chances of moderate to heavy rainfall during the					
Minimum Tem. (°C):1		next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):98-		the next 5 days may range for 29-33°C and 14-15°C.					
Minimum RH (%):79-9		Maximum relative humidity is expected in the range of					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	100% and minimum may from 54-85%. Wind direction would be easterly to southeasterly to easterly with the wind					
Cloud cover: Mainly o	cloudy						
Wind speed: 4.31 km	/ nr	speed of 2-4 km per hour. Mainly cloudy sky will prevail					
		during the next five days.					
Rainfall: 126.3 mm		during the next live days.					
		Weekly cumulative rainfall: 167.0 mm					
		No. of the Found Boundary					
NDVI for Mizoram		29	5 5	condition oc	curs in all		
		districts of Mizoram.					
		- M					
		Agriculture vigeut is rescherate over some of the region.	parts N				
		6 NI	2				
		1 L			1   P a g e		



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

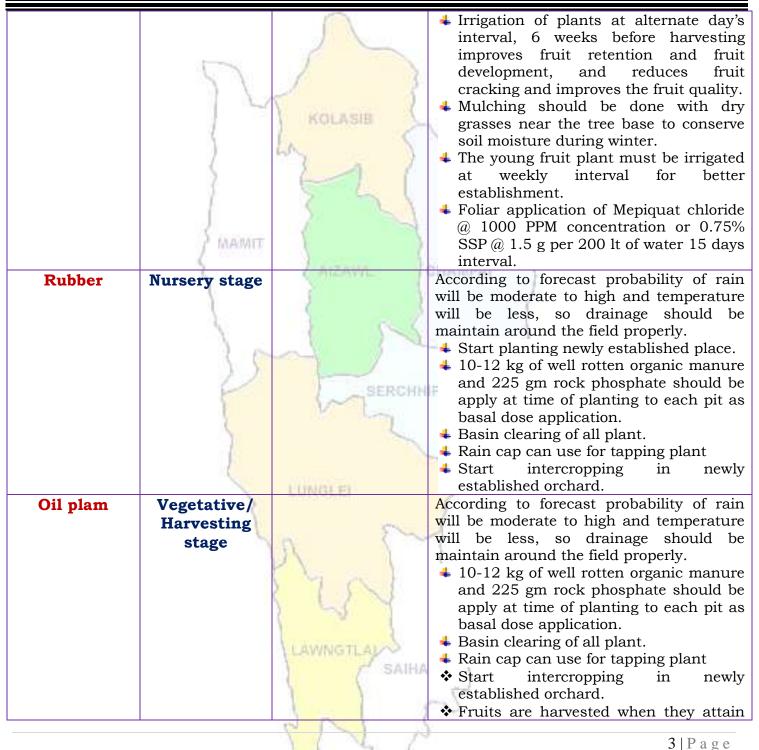


Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Nursery and	20 8	According to forecast probability of rain will		
MANDARIN	gap filling	V	be moderate to high and temperature will		
		KOLASIB	be less, so drainage should be maintain		
AND ACID	stage	Ex. S	around the field properly.		
LIME	/	1 ( )	<b>By seeds:</b> Seed should be sown in the		
STAR FRUIT	5		nursery immediately after extraction in		
	5	SEL	to a depth 1.5 to 2 cm extraction at		
		$\zeta \in \mathcal{L}$	10x5 cm distance. Seedlings are planted		
PLUM AND			in secondary bed or polythene bags at 4-		
	MAMIT		6 leaf stages.		
PEACH	C menters	100000	<ul> <li>Potting mixture of soil, sand and FYM or</li> </ul>		
	5	ATZAWIL ]	compost should be in proper ratio.		
		6	Application of split dose of fertilizer 600:		
		(			
	S	1 6	200:100 (g/pt). Only certified seed should be used.		
	1	V SN			
	100		Stagnation of water in beds should be avoided.		
	12				
		SERCH	at any time; however, pre-monsoon is		
	1		the best time for transplant or gap		
	5		filling.		
			Standard-size trees should be spaced 12		
	1		to 25 feet apart and dwarf trees should		
		LUNGLEI	be set 6 to 10 feet apart. The exact		
	2		distance depends on the variety. The		
	1		bigger the fruit, the farther the distance.		
		Gummosis,	<b>Lamon butterfly</b> - Spray monocrotophos		
		citrus Canker,	@0.04% @1.2 ml/lt of water.		
		Citrus greening,	<b>Leaf minor-</b> Spray confidor 0.05% (0.5		
		Dieback, Lamon	ml/lit of water) at each flush emergence.		
		butterfly and	<b>4 Citrus Canker</b> - Apply bacterimycin		
		leaf minor	@0.6 g/lt of water.		
PLANTATION CROP					
COFFEE	Blooming	H SAIH/	🛛 🜲 If day temperature and prolong dry		
	stage	SAIN	spell occur it lead to Floral		
	SLAGE		abnormalities like "Star Flower" in		
		1 = 1	Arabica and "Pink Flower" in Robusta.		
2   P a g e					



ICAR RESEARCH COMPLEX FOR NEH REGION

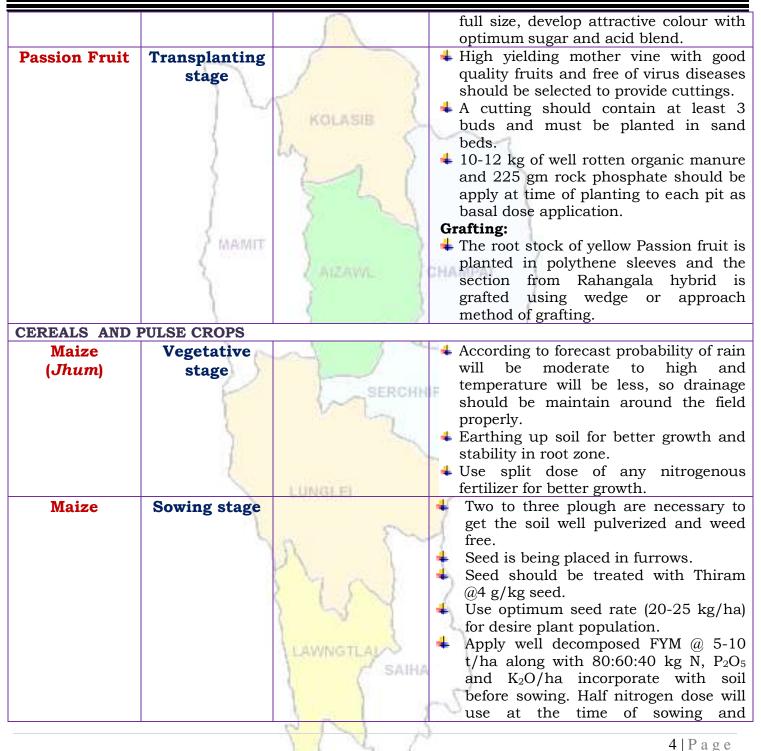






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		0	remaining 25% after one month and
		and the second	25% at flowering stage.
Jhum Rice	Germination		<b>4</b> According to forecast probability of rain
	stage	1	will be moderate to high and
		1 3	temperature will be less, so drainage
		1	should be maintain around the field
		KOLASIB	properly.
	1	En S	<b>4</b> Earthing up soil for better growth and
	1	WY 2 1	stability in root zone.
	S		<b>4</b> Use split dose of any nitrogenous
	5	Stal	fertilizer for better growth.
Kharif pulses	Sowing stage	5 54	Land preparation or sowing in pits
(Green gram,	2		4 Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT		MOP @ 20: 60: 40 kg.
Rajma)	S	Laizour	<b>Use PSB 2g/kg for better germination.</b>
<b>VEGETABLE CR</b>	OP		
Ginger and	Sowing stage	1	<b>4</b> Rhizome should be treated with Thiram
turmeric	200		@4 g/kg seed.
	1		Use optimum seed rate (50-60 kg/ha)
	2 6		for desire plant population.
			Apply well decomposed FYM/ pig
		SERCHN	manure @ 10-20 t/ha along with
	1	where we have a second	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	5		incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
<u> </u>		Avilation State	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	1		rain will be moderate and temperature
	L.	5	will be less, so drainage should be
		A D	<ul> <li>maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at</li> </ul>
			the time of full blooming
		A T C L	0
		LIN	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
			suspension containing sugar or
		Sugar and s	jeggery at 10 g/l at fortnightly
		LAWNGTLAN	intervals at flowering and fruit
		/ SAIHA	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to		4 According to forecast probability of
<b>~</b>		0010	
		1146	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	flowering stage	<ul> <li>rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit</li> </ul>
Cowpea	Vegetative stage	<ul> <li>initiation.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous for the second se</li></ul>
Okra	Vegetative stage	<ul> <li>SERCHN F fertilizer for better growth.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	IDARY	
Pig	All stages	Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young
		6 Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

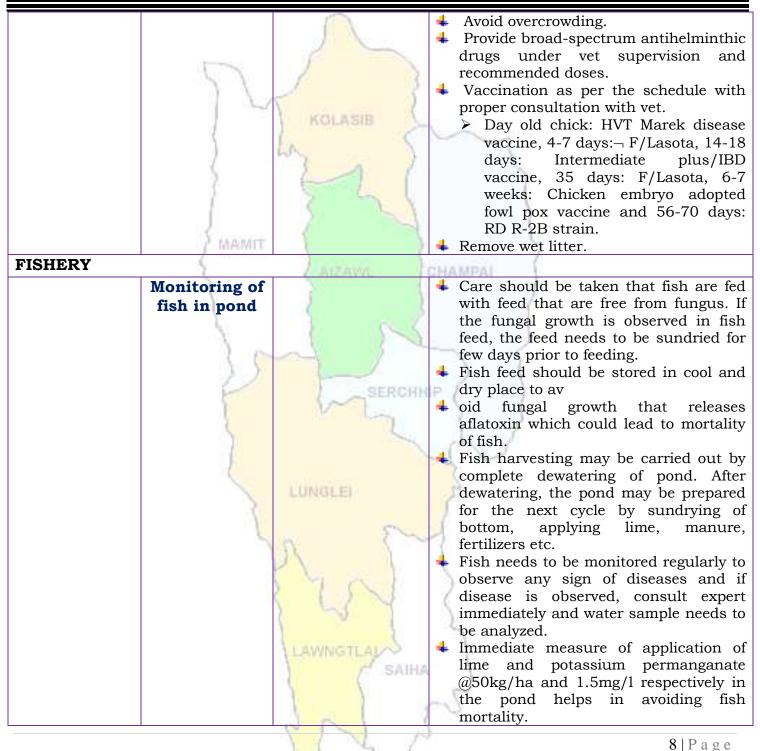


		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group		<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



### Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist



9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Cumphati)

Guwahati)



### **District:** Lunglei

Bulletin No: - 798/2018/ Bulletin/	/ Mizo
------------------------------------	--------

Period: 13 June - 17 June, 2018

### Date of issue: 12<sup>th</sup> June, 2018

		5 PC	1			
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018	
Rainfall (mm)	14	19	18	51	65	
Max Temp (°C)	33	32	30	30	29	
Min Temp (°C)	15	15	15	14	14	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	100	100	100	
Min RH (%)	54	54	84	72	85	
Wind Speed (KmpH)	2	2	2	4	2	
*Wind Direction	E	E	E	S-E	E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 ( <i>Percent</i> ) i- 239.49mm (250.30mm) -344.00mm (186.21mm)	Saiha- 109.52 m (87.2m) Mamit-449.48m (442.80m)	m Kolasib- m) m Serchhip m)	352.38mm (380.9mm) -411.72mm (259.8mm)	
Weather summary of three day		13 <sup>th</sup> June – 17 <sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):79- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 4.31 km Rainfall: 126.3 mm	6-17°C 100% 91% heasterly cloudy	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-33°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 54-85% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
				ainfall: 167.0		
NDVI for Mizoram		Approximation and the second s	Mildly dry districts of	condition oc Mizoram.	ecurs in all	
		612	P		1   P a g e	



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

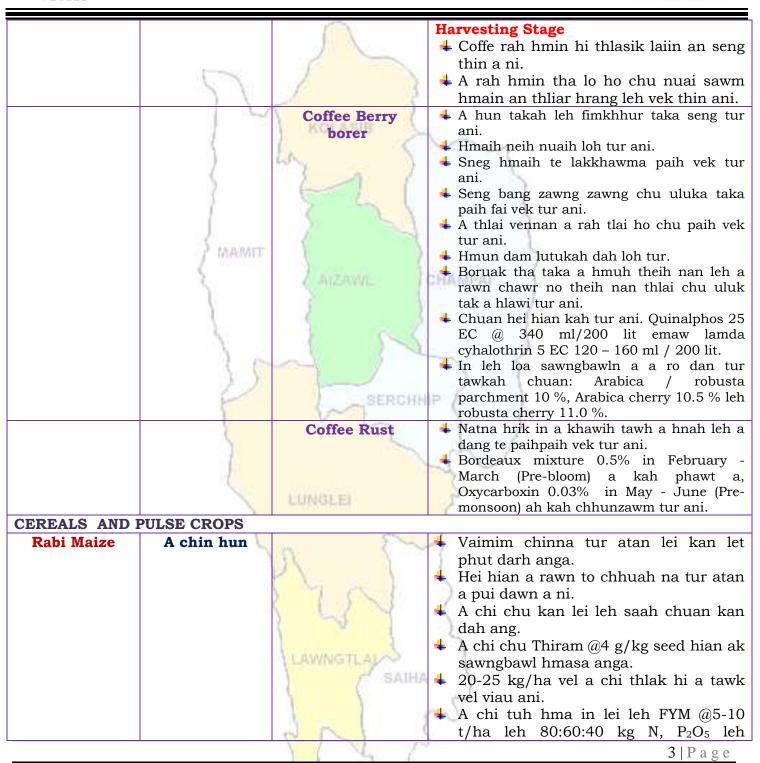


Animal (Fisheries       practices/ Pest/ Diseases       husbandry advisories         FRUITS CROPS       A kui atanga a seng hun       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       - Thla in aupang deuah chuan chawh kar tin a tui pek thin tur ani.       - Thlai naupang deuah chuan chawh kar tin a tui pek thin tur ani.         STAR FRUIT       - A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan heh a rah than that na te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       - Gummosis, citrus greening and Dieback       - Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       - Fruit fly RCM       - Huan zau taka huan a par tan tirh leh a rah tan tirin chawlikak nain Azospirillum leh Phosphobacterium a enkaul tur ani.         PLANTATION CROP       - All stages       - Thlai chi hilak hma in Azospirillum leh Phosphobacterium a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.         • Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.       - Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur atii.				
/Fisheries       Diseases         FRUITS CROPS       A kui atanga a seng hun <ul> <li>A kui atanga a seng hun</li> <li>And ACID</li> <li>LIME</li> <li>BANANA</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Tha anawh tawk a hmuh theilin a turin a hmunhma a hnim awm te thawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tha tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> <li>PEACH</li> <li>Cummosis, citrus greening and Dieback</li> <li>Fruit fly continue au takah chuan a part an tirh leh a spath te hnawih tur ani.</li> <li>Huan zu takah chuan a part an tirh leh a rah tan tin cabavlhkar hnih chhung chu heng te hian enkawl tur ani.</li> </ul> <li>PLANTATION CROP</li> <li>COFFFEE</li> <li>All stages</li> <li>PLANTATION crop</li> <li>COFFFEE</li> <li>All stages</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Nursery stage         <ul> <li>Thia ichi tulak hma in Azospirillum leh <i>Phosphobacterum a enkawl tur ani</i>.</li> <li>Nith tui pek tur ani a, asat lutuka loh nan zar hliah tur ani.</li> <li>Nith tui pek tur ani a, asat lutuka loh nan nin a chhun loh nan zar hliah tur ani.</li> <li>Nith tu jek tur ani a, asat lutuka loh nan</li></ul></li>	Main Crop/	Stage		Agricultural / Horticultural/ animal
FRUITS CROPS         KHASI MANDARIN AND ACID LIME         BANANA         BANANA         STAR FRUIT         FLUM AND PEACH         Commosis, citrus canker, citrus greening and Dieback         Fruit fly corf         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages	Animal		practices/ Pest/	husbandry advisories
KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chueun hnim hnah hring dia bul venlad hkhawm tur ani.         BANANA	/Fisheries		Diseases	
MANDARIN AND ACID LIME       a seng hun       vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.         BANANA       Image: Star FRUIT       Image: Star FRUIT         STAR FRUIT       Image: Star FRUIT       Image: Star FRUIT         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Image: Fruit fly RCH         Fruit fly RCH       Fruit fly RCH       Image: Fruit fly RCH         PLANTATION CROP       All stages       Nursery stage         PLANTATION CROP       All stages       Nursery stage         Image: Star FRUIT       All stages       Nursery stage         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit f	FRUITS CROPS		1	
MANDARIN AND ACID LIME       a seng hun       wennan chuan hnim hnah hring tlai bul welah dahkhawm tur ani.         BANANA       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.         STAR FRUIT       Image: Star for the star for	KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
AND ACID LIME BANANA BANANA STAR FRUIT Gummosis, citrus greening and Dieback COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COF	MANDARIN	the second se	KOLASIR	vennan chuan hnim hnah hring tlai bul
LIME       4 Thiai naupang deuah chuan chawih kar tin a tui pek thin tur ani.         BANANA       5 TAR FRUIT         STAR FRUIT       4 A seng hma kar 6 chung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback         Fruit fly       4 Temperture hniam lutuk leh hnawng vang ha ta a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan turi nehwihkar hnih chhung chu heng te lian enkawi tur ani.         PLANTATION CROP       All stages         COFFEE       All stages         Nursery stage       • A chi hi December – January ah mun zawi/nularem 1.5 - 2.5 cm a in hlatin tar munal tak siam in chin tur ani.         • A chi hi December – January ah mun zawi/nularem 1.5 - 2.5 cm a a in hlatin tar mumal tak siam in chin tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ani.	AND ACID	8	1 monorione 7	velah dahkhawm tur ani.
BANANA         BANANA         STAR FRUIT         STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly         Fruit fly         PLANTATION CROP         COFFEE         All stages         Nursery stage         The child be		)	LA.	👍 Thlai naupang deuah chuan chawlh
STAR FRUIT       Image: Control of the image: Co		(	3 4 1	
STAR FRUIT       Image: Construct of the second secon	BANANA	1		
STAR FRUIT <ul> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah tkeh tur lakah t a veng thei ani.</li> <li>PLUM AND PEACH</li> <li>Gummosis, citrus greening and Dieback</li> <li>Fruit fly</li> <li>Fruit fly</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani.</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul> <li>PLANTATION CROP</li> <li>COFFEE</li> <li>All stages</li> <li>Nursery stage</li> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December - January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ahi.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ahi.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li>		1	2 2 1	
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Diebaack       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFFEE       All stages         Nursery stage       4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         With tur ani.       4 Nitin tui pek tur ani, a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.				
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         Fruit fly COFFEE       Fruit fly PLANTATION CROP       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         PLANTATION CROP       Fruit fly PLANTATION CROP       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawi tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage 4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Muit tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	STAR FRUIT	S LABOATT		
PLUM AND PEACH       keh tur lakah t a veng thei ani.         Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       Thai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		1 meaning	5	-
PEACH       Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a at am duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rang te hian enkawi tur ani. carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	DI LIM AND	30	ATZAWIL /	
Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         4 Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         4 A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				keh tur lakah t a veng thei ani.
canker, citrus       hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         COFFEE       Nursery stage         All stages       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.	РЕАСП	1		
greening and Dieback       laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Variable       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         * A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Dieback       a trangah te hnawih tur ani.         Plantation CROP       Fruit fly         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Niti 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP         COFFEE       All stages         Mursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5.0		
PLANTATION CROP       All stages       Nursery stage         COFFEE       All stages       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		11		
PLANTATION CROP         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	FILLE INFERCEN	
PLANTATION CROP         COFFEE       All stages         All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	Y La	
10 g/l.         PLANTATION CROP         COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5		percent emaw malathion 0.15 percent
PLANTATION CROP         COFFEE       All stages         All stages <ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> </ul>				suspension containing sugar or jeggery at
COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				10 g/l.
<ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			LUNGLEI	
<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>	COFFEE	All stages	and each and and a	
<ul> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			C	_
<ul> <li>zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			n (~~	
<ul> <li>tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>				
<ul> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>		(	M REAL	
buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			1 -2 1	
nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			LAWNGTLAU	-
Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			- SAIHA	- X
bag ah an sawn chhuak leh thin ani.			1 1	
2015				
2   Page		I	N N I	
			VIV A	2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL.	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	1 4 Y	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
		LAWNGTLAL	<ul> <li>hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			awm thin a , hei hi natna tlanglawn ber ani.
			<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
	2.1	1 2	chi reng reng enkawl nan Mancozeb
	1	N	@ 2gm ah tui leter 1 pawlha kah
<u> </u>	NT (	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	1	~~~ <i>1</i>	<ul> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
	2		hnim ring vawm khawm hi tui pek
	1	2 5 1	zawhah dah tur ani.
		2	Thlai chhina hmun (nursery) hi hnim a
	> MAMMET		to loh nan Pendimethalin @ 3.5ml hi
	1		tui liter 1 zelah pawlh a kah hi a tha
	30	ATZAWAL I	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 1	Hneh taka 1% Bordeaux chawhpawlh
	) 6	~ \ \ ~	emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a
	1	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
	1	LINGLER PL	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	8	1000	tui pek thin tur ani.
	5	n (~~	👎 Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		M REL	+ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		20 1	rawn awm thina, hei hi natna
		Low marine and	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		6 N 3	P
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		4 N 2	<b>6</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	December		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Panilhat Diagaga an pian atanga ni</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	L	4 <sup>th</sup> weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MACINIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	30	ANZAWAL I	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initiar atang a tur io inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		2 NJ	2
		1 L L	7   P a g e



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District: Mamit**

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

### Date of issue: 12<sup>th</sup> June, 2018

	60	(A)	2			
Parameters	13.06.2018	3 14.06.2018	15.06.2018	16.06.2018	17.06.2018	
Rainfall (mm)	27	37	26	51	59	
Max Temp (°C)	31	30	29	28	27	
Min Temp (°C)	15	14	14	14	14	
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	99	99	99	96	
Min RH (%)	66	72	73	79	78	
Wind Speed (KmpH)	2	2	2	8	4	
*Wind Direction	S-E	N-E	Е	S	S	
Northe	rly- N, North	-Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- S-W, We				
		-31, 2018 (Percent				
Aizawl- 383.68mm	-		aiha- 109.52 mm		352.38mm	
(341.8mm)		(250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm (285.5mm)		344.00mm N 186.21mm)	lamit-449.48mm (442.80mn)	-	-411.72mm (259.8mm)	
Weather summary	,	,	<b>`</b>			
three day		Weather forecast valid from 13 <sup>th</sup> June, 2018 To 17 <sup>th</sup>				
		June, 2018.				
Maximum Tem. (°C):2 Minimum Tem. (°C):1		There are chances of moderate to heavy rainfall during the				
Maximum RH (%):96-		next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-31°C and 14-15°C.				
Minimum RH (%):76-9			5 0			
Wind Direction: Sout		Maximum relativ	2	<b>-</b>	0	
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	99% and minin	2			
Wind speed: 4.15 km	· · · · · · · · · · · · · · · · · · ·	would be southeasterly to northeasterly to easterly and				
	,	southerly with the wind speed of 2-8 km per hour. Mainly				
Rainfall: 157.3 mm		cloudy sky will prevail during the next five days.				
		Weekly	cumulative r	ainfall: 177.0	mm	
NDVI for Mizoram		North East Region 29	Mildly dry	condition oc	curs in all	
		~~ =-	districts of			
		E E				
		CAL I				
		A Carl	1			
		•B	а.,			
		Agriculture vigeur is readerate over some of the	parts N			
		10 1	340			
			100		1   Page	



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)

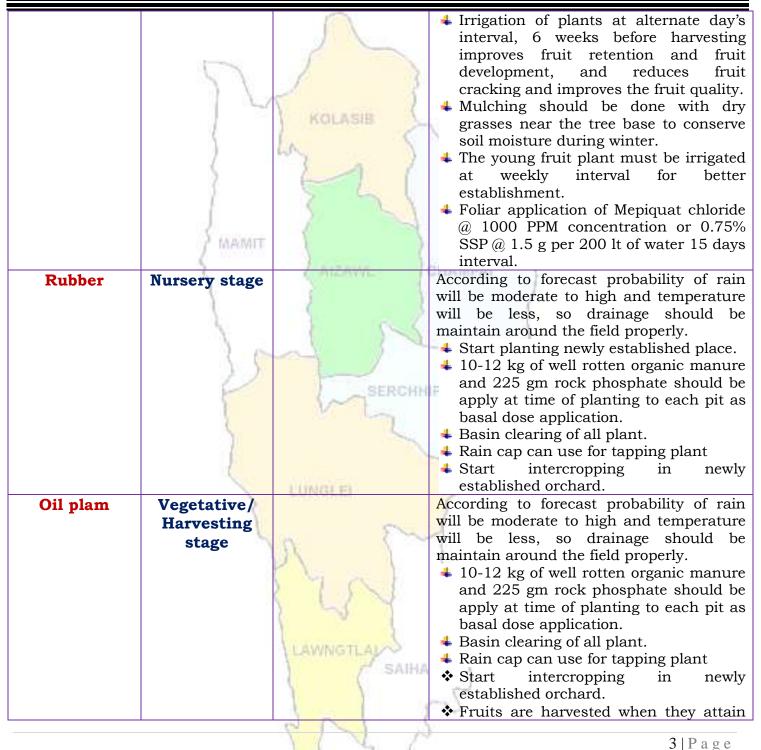


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	2 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	I NULHOLD	be less, so drainage should be maintain
LIME	Stage	LA.	around the field properly.
	(	3 . 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	2		nursery immediately after extraction in
	1	2 5 1	to a depth 1.5 to 2 cm extraction at
	1	2 24	10x5 cm distance. Seedlings are planted
PLUM AND	Same		in secondary bed or polythene bags at 4-
PEACH	/ MAMIT		6 leaf stages.
	S	LAIZAWL I	+ Potting mixture of soil, sand and FYM or
		and the second sec	compost should be in proper ratio.
			<b>4</b> Application of split dose of fertilizer 600:
	100	S 6 1	200:100 (g/pt).
	1		4 Only certified seed should be used.
	2 6		<b>4</b> Stagnation of water in beds should be
	)		avoided.
	1	SERCH	<b>4</b> In the citrus belt, trees can be planted
	1		at any time; however, pre-monsoon is
	1		the best time for transplant or gap
			filling.
	0.00		Standard-size trees should be spaced 12
	all	WHYDEFEN	to 25 feet apart and dwarf trees should
	1	LUNGLEI	be set 6 to 10 feet apart. The exact
	5		distance depends on the variety. The
		5	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lt of water.
	0.2	leaf minor	$w_{0.0}$ g/It of water.
PLANTATION CR	-		
COFFEE	Blooming	SAIH/	↓ If day temperature and prolong dry
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		123	Arabica and "Pink Flower" in Robusta.
		VIN 1	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

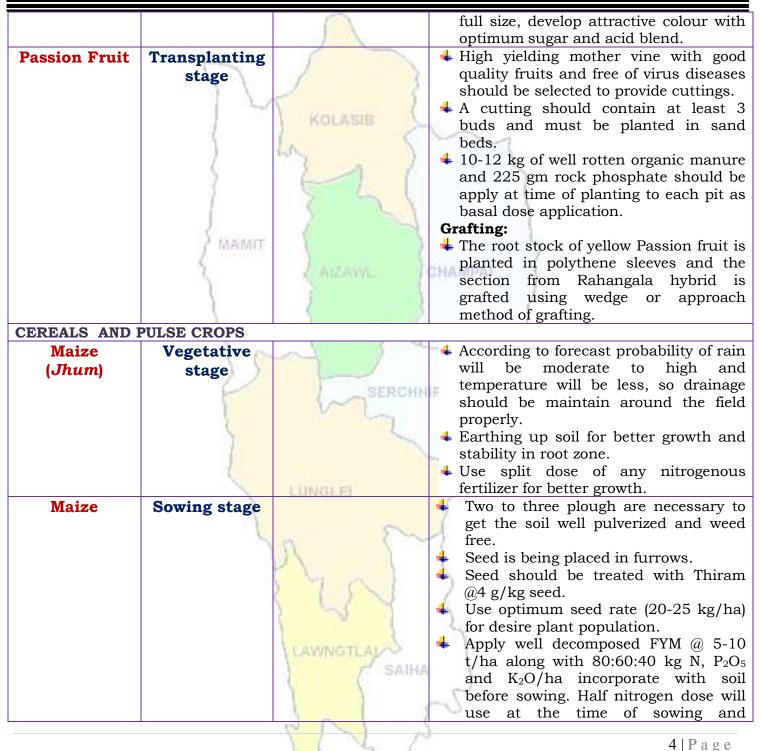






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Rajma)       Use PSB 2g/kg for better germination.         VEGETABLE CROP       Image: Comparison of the state o				
Jhum Rice       Germination stage       4 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly.         Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       4 Land preparation or sowing in pits         VEGETABLE CROP       4 Use split dose of any nitrogenous fertilizer for better growth.         Ginger and turmeric       Sowing stage       4 Rajma (Sowing stage)         VEGETABLE CROP       4 Rajma (Sowing stage)       4 Rajma (Sowing stage)         Ginger and turmeric       Fruiting stage       4 Rajma (Sowing stage)         Fruiting stage       According to forecast probability of rain will be moderate and temperature will be tested with Thiram (@4 g/kg seed.         Cucurbitaceo us crop       Fruiting stage       4 Rocording to forecast probability of rain will be moderate and temperature will be less, so drainage should be mainting against fruit fly and pumpkin beetle.         Chilli       Vegetative to       4 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be mainting against fruit fly and pumpkin beetle.				remaining 25% after one month and
Jhum Rice       Germination stage       Germination stage         Main Stage       4 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly.         Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       4 Land preparation or sowing in pits         Use Split dose of any nitrogenous fertilizer for better growth.       4 Land preparation or sowing in pits         VEGETABLE CROP       4 Noty @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       4 Rhizome should be treated with Thiram @4 g/kg seed.         Use SPIB 2g/kg for better germination.       4 Use optimum seed rate (50-60 kg/ha) for desire plant population.         Apply well docomposed FYM / pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nifrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       4 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       1 In large gardens apply carbarly 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly initiation against fruit fly and pumpkin beetle.				e e
stage       will be moderate to high and temperature will be less, so drainage should be maintain around the field property.         Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage         VEGETABLE CROP       Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Ginger and turmeric       Sowing stage         VECUENTIACEO       Khizing stage         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         VECUENTIACEO       Khizing stage         Ginger and turmeric       Sowing stage         VECUENTIACEO       Khizing stage         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         VECUENTIACEO       Sowing stage         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         Inorganic fertilizer like Urea, SSP and MOP (20; 60; 40 kg.         In large gardens	Jhum Rice	Germination		
Kharif pulses (Green gram, Black gram and turmeric       Sowing stage       Image: Sowing stage: Sowing stage       Image: Sowing sta			1	<u> </u>
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Sowing stage <t< th=""><th></th><th></th><th>1 2</th><th>temperature will be less, so drainage</th></t<>			1 2	temperature will be less, so drainage
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Land preparation or sowing in pits         WegeTABLE CROP       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Rhizome should be treated with Thiram @4 g/kg seed.         VeceTABLE CROP       Rhizome should be treated with Thiram @4 g/kg seed.         Ginger and turmeric       Sowing stage       Rhizome should be treated with Thiram @4 g/kg seed.         Fruiting stage       Fruiting stage       Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nifrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       Image: According to forecast probability of rain will be less, so drainage should be maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       Image: According to greats apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to       According to forecast probability of		L-1	5	
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Imorganic fertilizer for better growth.         Vise split dose of any nitrogenous for tilizer for better growth.       Land preparation or sowing in pits         Black gram and Rajma)       Land preparation or sowing in pits         VEGETABLE CROP       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Image: Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P_2Os and K_2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       Image: Apply well decomposed fryM/ pig maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       Image: Apply arbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to       Image: According to forecast probability of			KOLASIB	properly.
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Imorganic fertilizer for better growth.         Vise split dose of any nitrogenous for tilizer for better growth.       Land preparation or sowing in pits         Black gram and Rajma)       Land preparation or sowing in pits         VEGETABLE CROP       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Imorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         Ginger and turmeric       Sowing stage       Image: Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P_2Os and K_2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       Image: Apply well decomposed fryM/ pig maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       Image: Apply arbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to       Image: According to forecast probability of		1	E. S	<b>4</b> Earthing up soil for better growth and
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Land preparation or sowing in pits         Weiget Able CROP       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         VEGETABLE CROP       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Veget Able CROP       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Guiger and turmeric       Sowing stage       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Guiger and turmeric       Sowing stage       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land Preparation or sowing in pits       Image: Land Preparation or sowing in pits         Cucurbitaceo us crop       Fruiting stage       Image: Land Preparation or sowing in pits       Image: Land Preparation or pits		1	wy 2 1	
Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Image: Land preparation or sowing in pits         Black gram and Rajma)       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         VEGETABLE CROP       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         VEGETABLE CROP       Image: Land preparation or sowing in pits       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation or sowing in pits         Generation       Sowing stage       Image: Land preparation or sowing in pits         Ginger and turmeric       Sowing stage       Image: Land preparation         Generation       Generation </th <th></th> <th>&gt;</th> <th></th> <th><b>4</b> Use split dose of any nitrogenous</th>		>		<b>4</b> Use split dose of any nitrogenous
(Green gram, Black gram and Rajma)       Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         VEGETABLE CROP       Sowing stage         Ginger and turmeric       Sowing stage         Provide split decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage         Vegetative to       4 According to forecast probability of rain will be less, so drainage should be maintain around the field properly.         In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggry at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to			SE	fertilizer for better growth.
Black gram and Rajma)       MOP @ 20; 60: 40 kg.         VEGETABLE CROP       Use PSB 2g/kg for better germination.         Ginger and turmeric       Sowing stage       Rhizome should be treated with Thiram @4 g/kg seed.         Vegetative to       Sowing stage       Rhizome should be treated with Thiram @4 g/kg seed.         Vegetative to       Sowing stage       Rhizome should be treated with Thiram @4 g/kg seed.         Vuse optimum seed rate (50-60 kg/ha) for desire plant population.       Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to       According to forecast probability of	Kharif pulses	Sowing stage	5 54	
Rajma)       4       Use PSB 2g/kg for better germination.         VEGETABLE CROP       4       Rhizome should be treated with Thiram @4 g/kg seed.         Ginger and turmeric       Sowing stage       4       Rhizome should be treated with Thiram @4 g/kg seed.         Use optimum seed rate (50-60 kg/ha) for desire plant population.       4       Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.         Cucurbitaceo us crop       Fruiting stage       4       According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       1       In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to       4       According to forecast probability of supersistion and fruit initiation against fruit fly and pumpkin beetle.	(Green gram,	Roman		4 Inorganic fertilizer like Urea, SSP and
VEGETABLE CROP         Ginger and turmeric       Sowing stage <ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.           Cucurbitaceo us crop         Fruiting stage              <ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.</li> </ul>            Chilli         Vegetative to              <ul> <li>According to forecast probability of</li> <li>According to forecast probability of</li> </ul></li></ul>	Black gram and	/ MAMIT	X 7	
Ginger and turmericSowing stage4 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.Cucurbitaceo us cropFruiting stage4 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jegery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative to4 According to forecast probability of rain will be to forecast probability of rain will be less, so drainage should be maintain around the field properly.		5	Lawrence 1	Use PSB 2g/kg for better germination.
turmeric@4 g/kg seed.turmeric@4 g/kg seed.Use optimum seed rate (50-60 kg/ha) for desire plant population.Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% after one month and 25% at flowering stage.Cucurbitaceo us cropFruiting stageUse cording to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.Provide split doses of urea (70g/pt) at the time of full bloomingIn large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative to		OP		
Cucurbitaceo us cropFruiting stageApply incorporateFuiting stageCucurbitaceo us cropFruiting stageAccording to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.Cucurbitaceo us cropFruiting stageAccording to forecast probability of rain will be moderate and temperature suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative to4 According to forecast probability of rain will be beetle.		Sowing stage	1	
Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stage us cropImage: Cucurbitaceo us cropIma	turmeric	10	i al	
Cucurbitaceo us cropFruiting stageApply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.Cucurbitaceo us cropFruiting stageAccording to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.Provide split doses of urea (70g/pt) at the time of full blooming.In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative toAccording to forecast probability of rain will be to forecast probability of rain the time of full blooming.				
Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropChilliVegetative toImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropChilliVegetative toImage: Cucurbitaceo <b< th=""><th></th><th>2 0</th><th></th><th></th></b<>		2 0		
Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropImage: Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo us crop <t< th=""><th></th><th>1)</th><th></th><th></th></t<>		1)		
Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropFruiting stageCucurbitaceo us cropFruiting stageImage: Cucurbitaceo us cropImage: Cucurbitaceo <th></th> <th>5</th> <th>SERCHN</th> <th></th>		5	SERCHN	
Cucurbitaceo us cropFruiting stage+According to forecast probability of rain will be moderate and temperature will be less, so drainage should be 		1	V~I~	
Cucurbitaceo us cropFruiting stage4According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.4Provide split doses of urea (70g/pt) at the time of full blooming4In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative to4According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.4Provide split doses of urea (70g/pt) at the time of full blooming4In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.		5		
Cucurbitaceo us cropFruiting stageAccording to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.Herein and 25% at flowering stage.Herein and 25% at flowering stage.Us cropHerein and 25% at flowering stage.Herein and 25% at flowering stage.Herein and 25% at flowering stage.Us cropHerein and temperature will be less, so drainage should be maintain around the field properly.Herein and the field properly.Herein and the time of full bloomingHerein and the time of full blooming.Herein and the time of full blooming sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative toHerein and the probability of		10		
Cucurbitaceo us cropFruiting stageAccording to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.Provide split doses of urea (70g/pt) at the time of full bloomingProvide split doses of urea (70g/pt) at the time of full bloomingIn large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative toImage second probability of forecast probability of		1,00		-
us crop       rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       Provide split doses of urea (70g/pt) at the time of full blooming         In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to	Cucurhitagoo	Emiting stage	A CHARLEN HA	
<ul> <li>will be less, so drainage should be maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.</li> <li>Chilli Vegetative to</li> </ul>		Finiting stage	LUNGLEI	
Chilli       Vegetative to       maintain around the field properly.         Provide split doses of urea (70g/pt) at the time of full blooming       In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.	us crop	1		-
Chilli       Vegetative to         Vegetative to       Vegetative to		6		
ChilliVegetative tothe time of full bloomingHe time of full bloomingIn large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative toImage: According to forecast probability of			131	
ChilliVegetative toIn large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.ChilliVegetative to			P Var and V	
Chilli       Vegetative to         Chilli       Vegetative to			1.5.6	
Chilli       Vegetative to         Suspension       containing         Suspensing       co			1 41 4	
Chilli       Vegetative to       jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.         Chilli       Vegetative to       4 According to forecast probability of			A A	-
Chilli       Vegetative to         Image: Chilli       Vegetative to			LIAWNETT ALS	1 0 0
Chilli     Vegetative to     Initiation     against     fruit     fly     and       • Chilli     • Vegetative to     • According to forecast probability of				
Chilli Vegetative to 4 According to forecast probability of			( SAINA	initiation against fruit fly and
				pumpkin beetle.
	Chilli	Vegetative to		4 According to forecast probability of
			6 N N	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	flowering stage	A	rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.
	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> </ul>
	MAMIT	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous</li> </ul>
Okra	Vegetative stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	LAWNGTLAN	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	IDARY		
Pig	All stages	121	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young</li> </ul>
		11 L C	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

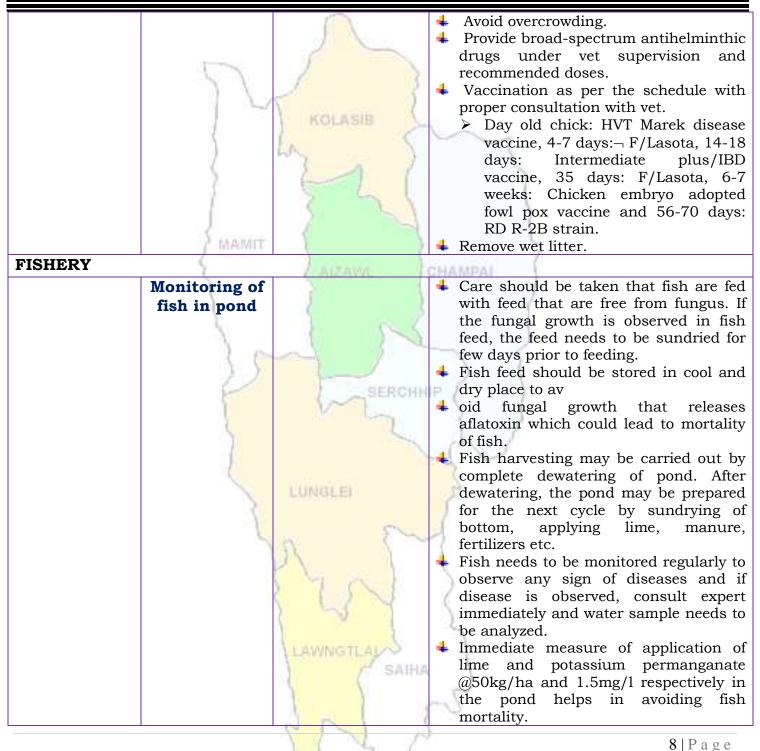


	MAMIT	Forcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group		<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist



9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District: Mamit**

Bulletin	<b>No:</b> -	798/2	018/	Bulletin,	Mizo
					10

### **Period:** 13 June – 17 June, 2018

### Date of issue: 12th June, 2018

		P	4				
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018		
Rainfall (mm)	27	37	26	51	59		
Max Temp (°C)	31	30	29	28	27		
Min Temp (°C)	15	14	14	14	14		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	99	99	99	96		
Min RH (%)	66	72	73	79	78		
Wind Speed (KmpH)	2	2	2	8	4		
*Wind Direction	S-E	N-E	E	S	S		
		Easterly- <mark>N-E</mark> , Eas					
		Vesterly- <mark>S-W</mark> , We					
		31, 2018 (Percent					
Aizawl- 383.68mm	-	<mark>i</mark> - 239.49mm	Saiha- 109.52 m		352.38mm		
(341.8mm)		(250.30mm)	(87.2m)		(380.9mm)		
Lawngtlai-321.51mm		344.00mm	Mamit-449.48m	-	p-411.72mm		
(285.5mm)		(186.21mm)	(442.80m		(259.8mm)		
Weather summary	· · · · · · · · · · · · · · · · · · ·	13 <sup>th</sup> June – 1	<b>7<sup>th</sup> June, 20</b>	18 chhunga	sik leh sa		
three day	s	dinhmun tur tlangpui					
Maximum Tem. (°C):2	29-31°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin $27-31^{\circ}$ C a ni ang a. A					
Maximum RH (%):96-		vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai					
Minimum RH (%):76-	010/						
Wind Direction: Sout	1	berin 96-99% le					
	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi dar	kar khatah 2-8	8 km vela chak	in chhaklam		
Cloud cover: Mainly o		awi zawngin a tle	eh rin a ni. A tl	angpuiin tun n	i nga chhung		
Wind speed: 4.15 km	/ NT	hian khawthiang tak hmuh beisei a ni.					
Delia (elle 157.0 mm			,				
Rainfall: 157.3 mm		Weekl	i cumulative r	ainfall: 177.0	mm		
		weenig	g cumululle r	ungun 177.0			
NIDIU C 35'		North East Region	Mildler day	1111	• 11		
NDVI for Mizoram		-	winary ary	condition oc	curs in all		
		AB 1	districts of	Mizoram.			
		Direct and	-				
		OF I					
		B =-	1473 (				
		Agriculture signur is moderate over some of the per region.	a Narth				
		N N N	1				
		1 L	12		1   Page		



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

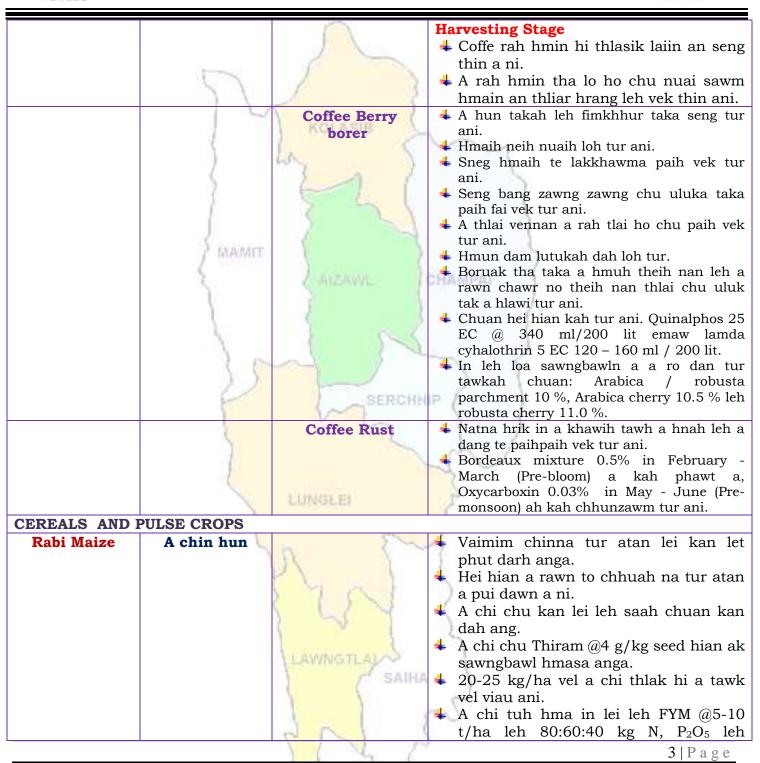


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	velah dahkhawm tur ani.
LIME	)	LA N	4 Thlai naupang deuah chuan chawlh
	(	3 4 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1	S	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
PEACH		Our contraction attempt	<b>4</b> Temperture hniam lutuk leh hnawng vang
		Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5	greening and Dieback	a trangah te hnawih tur ani.
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		- ERCHN	rah tan tirin chawlhkar hnih chhung chu
	5	N. Long	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	0.7		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	in the second second li	Nursery stage
		55	+ Thlai chi thlak hma in Azospirillum leh
		n (~~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
		91 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 7 201	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		2 -2 1	buhpawla khuh tur ani.
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
		1 1	<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		a R I	
		VIV A	2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		V V V	4   P a g e



### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			awm thin a , hei hi natna tlanglawn
			ber ani.
	1000	f in	Thlai hna lam chi leh zikhlum lam
	81	1 3	chi reng reng enkawl nan Mancozeb
		5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum	)	WAY IN D	tui pek thin tur ani.
	S	2 1	+ Thlai bul vawn hnawn nana thlai bula
	5	State 1	hnim ring vawm khawm hi tui pek
		5 51	zawhah dah tur ani.
	2		+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	S	Laszana 1	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora	$\downarrow$ A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	20	blight	(Apron)/ kg seed hi a tha hle ani
	- N		Hneh taka 1% Bordeaux chawhpawlh
	2.0	~ /	emaw 2 g captan emaw 3 copper
	11		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
		N La	a. than a that theih nan tui pek hma
	S		in lei rin pan hmasak tur ani.
	1	N 100	4 A than duna theih nan leh hnim to loh
	1 C		na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish	1	5	tui pek thin tur ani.
		11 11	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
			↓ Zikhlum lam chi ah chuan sik leh
		127 6	sa vangin a hnah ah thil dum a
		1 La Y	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	↓ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		( (	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		2010	pumini hun tur ann.
			<b>5</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PN 2	<b>6</b>   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lia: tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga r
	measures	6	1-6 ah F1 vaccine pek tur ani a, chua
		W7 2 )	a puitlingh chuan R <sub>2</sub> B vaccine pek tu
	2		ani.
	1	2 5	B complex with antibodies
		4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium o
	FINAMIT		coccidiostat
	1	4-5 <sup>th</sup> Weeks	+ Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initial atang a tur io nisear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei.</li> </ul>
		6 1 1	710.000
			7   P a g e



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Cumphati)

Guwahati)



### **District: Saiha**

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

Date of issue: 12<sup>th</sup> June, 2018

Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018		
Rainfall (mm)	17	37	26	51	59		
Max Temp (°C)	31	30	29	28	27		
Min Temp (°C)	15	14	14	14	14		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	99	99	99	99		
Min RH (%)	63	72	96	78	97		
Wind Speed (KmpH)	2	2	4	4	4		
*Wind Direction	E	E	E	S-E	E		
	rlv- N. North-I	Easterly- N-E, East	sterly- E. South				
		Vesterly- <mark>S-W</mark> , We					
		31, 2018 (Percent )					
Aizawl- 383.68mm	Champhai-		aiha- 109.52 mm		352.38mm		
(341.8mm)		50.30mm)	(87.2mm	·	(380.9mm)		
Lawngtlai-321.51mm	Lunglei-34		<mark>lamit-449.48mm</mark>	•	p-411.72mm		
(285.5mm)		86.21mm)	(442.80mn		(259.8mm)		
Weather summary	of the past	Weather fored		13 <sup>th</sup> June, 20	18 To 17 <sup>th</sup>		
three day	s	June, 2018.					
Maximum Tem. (°C):2	26-27°C ′	There are chances of moderate to heavy rainfall during the					
Minimum Tem. (°C):1	6-18°C	next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):96-99% Minimum RH (%):76-84% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.34 km/hr		the next 5 days may range for $27-31^{\circ}$ C and $14-15^{\circ}$ C. Maximum relative humidity is expected in the range of 99-					
		100% and minimum may from 63-97%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will					
							-
		Rainfall: 112.4 mm	]	prevail during th	e next five day	s.	
			cumulative r	ainfall: 190.0	mm		
NDVI for Mizoram		North East Region 29	Mildly dry	condition oc	curs in all		
		~ =-	districts of				
		-					
		man AS	1				
		A	i				
		AB.	:1				
		Agriculture vigeur is rescherete over some of the	parts N				
			14		1   Page		
		-	Dé		I I age		



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)

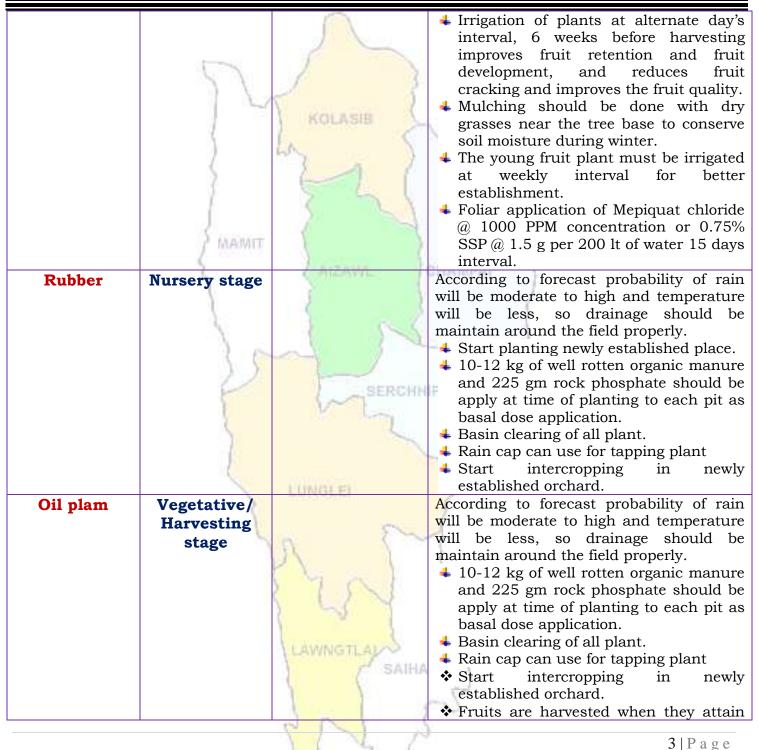


Main O I	04.	01/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	1	be less, so drainage should be maintain
LIME	J	LA.	around the field properly.
	(	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	1	the second second	nursery immediately after extraction in
	1	2 2 1	to a depth 1.5 to 2 cm extraction at
			10x5 cm distance. Seedlings are planted
PLUM AND	AMAMIT		in secondary bed or polythene bags at 4-
PEACH	1	And the second s	6 leaf stages.
	3	A ATZAWAL	+ Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
		(	Application of split dose of fertilizer 600:
		S CL	200:100 (g/pt).
	1		Only certified seed should be used.
	60		Stagnation of water in beds should be serviced
	12		avoided.
	1	SERCH	I In the citrus belt, trees can be planted
	5	N Lan	at any time; however, pre-monsoon is the best time for transplant or gap
	S		filling.
	a la construction de la construc		Standard-size trees should be spaced 12
	1		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	2		distance depends on the variety. The
	1		bigger the fruit, the farther the distance.
	×.	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	a0.04% $a1.2$ ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Blooming	- SAIH/	↓ If day temperature and prolong dry
	stage	( ( Shirt	spell occur it lead to Floral
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
I		0 1 1	
			2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		full size, develop attractive colour with
		optimum sugar and acid blend.
Passion Fruit	Transplanting stage	<ul> <li>High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings.</li> <li>A cutting should contain at least 3 buds and must be planted in sand beds.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Grafting:</li> <li>The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.</li> </ul>
CEREALS AND I Maize		the Assessment of the second sec
(Jhum)	Vegetative stage	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Maize	Sowing stage	<ul> <li>Two to three plough are necessary to get the soil well pulverized and weed free.</li> <li>Seed is being placed in furrows.</li> <li>Seed should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (20-25 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub></li> </ul>
		and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination	S S	4 According to forecast probability of rain
	stage	1	will be moderate to high and
		-	temperature will be less, so drainage
		KOLASIE	should be maintain around the field
	1	I NULHOID	properly.
	)	Les D	<b>4</b> Earthing up soil for better growth and
	(	3 0 1	stability in root zone.
	2		Use split dose of any nitrogenous
The stiff seals as	0	2 2	fertilizer for better growth.
Kharif pulses	Sowing stage		<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>
(Green gram, Black gram and	MAMIT		MOP @ 20: 60: 40 kg.
Rajma)	2		↓ Use PSB 2g/kg for better germination.
VEGETABLE CR	)P	1 8+7 mile	
Ginger and	Sowing stage	1	<b>4</b> Rhizome should be treated with Thiram
turmeric	sources stuge	S. S.	@4 g/kg seed.
curmono	1	1 1	<b>4</b> Use optimum seed rate (50-60 kg/ha)
	) 6		for desire plant population.
	1 2		↓ Apply well decomposed FYM/ pig
	0	SERCHN	manure @ 10-20 t/ha along with
		1 million	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	2		incorporate with soil before sowing.
	3		Half nitrogen dose will use at the time
	08		of sowing and remaining 25% after one
<u> </u>		With the second	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	1		rain will be moderate and temperature
	L		will be less, so drainage should be maintain around the field properly.
		A DE	<ul> <li>Provide split doses of urea (70g/pt) at</li> </ul>
		P Var and V	the time of full blooming
		1751	In large gardens apply carbaryl 0.2 per
		1 La Y	cent or malathion 0.15 per cent
		A A	suspension containing sugar or
		LAWNGTLAN	jeggery at 10 g/l at fortnightly
		- SAIHA	intervals at flowering and fruit
		( SAINA	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to	1211	+ According to forecast probability of
		VV A	5   Paga
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	flowering stage	KOLASIB	<ul> <li>rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss</li> </ul>
	stage	hz 5	<ul> <li>maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass</li> </ul>
	$\sum_{i=1}^{n}$	hz 5	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass</li> </ul>
	$\left\{ \right\}$	hz 5	<ul> <li>stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass</li> </ul>
		hz 5	<ul> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass</li> </ul>
		hz 5	fertilizer for better growth. If possible use straw mulch/ grass
		hz 5	fertilizer for better growth. If possible use straw mulch/ grass
	}	my S	<b>4</b> If possible use straw mulch/ grass
	}	211	
	1		malen in row to prevent monoture 1000
	1		and better growth of plant.
	1	Dennit flyr	<ul> <li>In large gardens apply carbaryl 0.2 per cent</li> </ul>
		Fruit fly	or malathion 0.15 per cent suspension
the second se		20	containing sugar or jeggery at 10 g/l at
	S in a ser		fortnightly intervals at flowering and fruit
	J' MAINIT	1	initiation.
Cowpea	Vegetative	ATZAWIL	According to forecast probability of rain
	stage		will be moderate and temperature will
	stage	) )	be less, so drainage should be maintain
	1		around the field properly.
	1		Earthing up soil for better growth and
	2 6		stability in root zone.
	1 1		<ul> <li>Don't use split dose of any nitrogenous</li> </ul>
	0	SERCHN	
01	Manatating	(~	0
Okra	Vegetative		According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
	1		around the field properly.
		LUNGLEI	Earthing up soil for better growth and
	2	1000 ( 1000 ( 1000 ( 1000 ) )	stability in root zone.
	1		Don't use split dose of any nitrogenous
		n 2~	fertilizer for better growth.
Colocasia S	Sowing stage	138	+ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
		1 Li Y	5-7 deep at a spacing of 40-50 cm
			between and within rows in the pits.
		Contractor and the	<b>4</b> Inorganic fertilizer like Urea, SSP and
		LAWNGTLAL	MOP @ 220: 375: 134 kg.
NIMAL HUSBEND	ARY		
Pig	All stages		<b>4</b> Animals must keep in dry place or
-	-		which have a set of the set of th
		a n l	(straw) to be provided to young
		VIN P	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

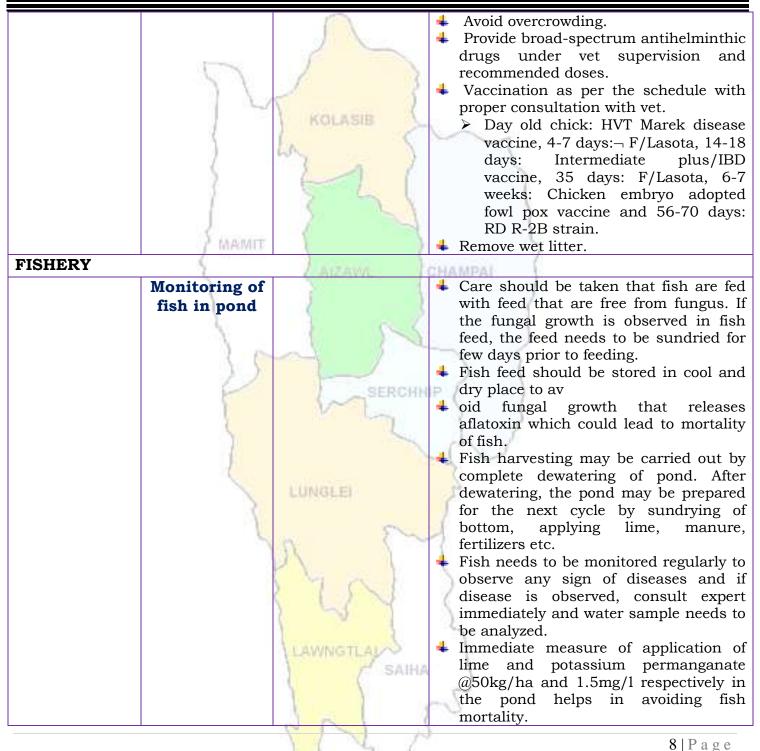


	AMAINIT	Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	LUNGLEI	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>
		612 1	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Cumpberti)

Guwahati)



#### **District: Saiha**

Bulletin	<b>No:</b> -	798/2	2018/	Bulletin,	/Mizo
			1	1	0

### **Period:** 13 June – 17 June, 2018

### Date of issue: 12th June, 2018

	5	6	2		-,		
Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018		
Rainfall (mm)	17	37	26	51	59		
Max Temp (°C)	31	30	29	28	27		
Min Temp (°C)	15	14	14	14	14		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	99	99	99	99		
Min RH (%)	63	72	96	78	97		
Wind Speed (KmpH)	2	2	4	4	4		
*Wind Direction	E	E	E	S-E	E		
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	·		
		Westerly- <mark>S-W</mark> , W					
		31, 2018 (Percent					
Aizawl- 383.68mm	Champha	i- 239.49mm	Saiha- 109.52 r		- 352.38mm		
(341.8mm) Lawngtlai-321.51mm	Inneloi	(250.30mm) -344.00mm	(87.2n) Mamit-449.48n		(380.9mm) p-411.72mm		
(285.5mm)		(186.21mm)	(442.80)		(259.8mm)		
Weather summary		<u> </u>			· · · · · · · · · · · · · · · · · · ·		
three day		13 <sup>th</sup> June – 17 <sup>th</sup> June, 2018 chhunga sik leh sa					
· · · · · · · · · · · · · · · · · · ·		dinhmun tur tlangpui					
Maximum Tem. (°C):2		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 27-31°C a ni ang a. A					
Maximum RH (%):96-		vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai					
Minimum RH (%):76-		berin of 99-100					
Wind Direction: Sout Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi da	rkar khatah 2-	4 km vela cha	kin chhaklam		
Wind speed: 3.34 km		awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed. 5.54 kin	/ 111	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 112.4 mm							
		Week	ly cumulative	rainfall: 190.0	)mm		
			- -	-			
NDVI for Mizoram		North East Region 24	Mildly dr	y condition o	ccurs in all		
		~~~ ==	districts of				
		5032					
		CAR I					
		as I	}				
		U =-	ters (				
		Agriculture signur is modulate over some of the region.	parts North				
		Pr N	2				
		1 L	6		1   P a g e		



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

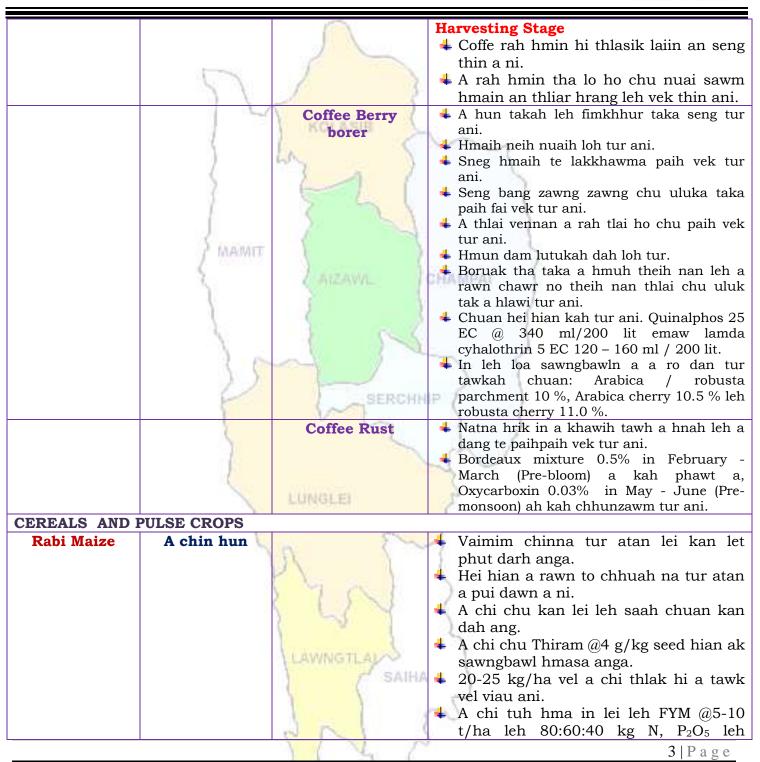


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	I
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID 2	velah dahkhawm tur ani.
LIME	)	La N	👍 Thlai naupang deuah chuan chawlh
	(	3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
		21	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL /	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH		0	Towns autom to is a lateral to be served as a
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1 1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	500	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	<ul> <li>Huan zau takah chuan a par tan tirh leh a</li> </ul>
	1	FILIT IN ROAM	rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	0	+ Thlai chi thlak hma in Azospirillum leh
		n (~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		M Red	tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N S	
		11 L	2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soybean, pea,	All stage	Zero tillage	<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow		"FL	<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		V V M	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



	2	KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> </ul>
	{ MAGMIT	AIZAWA	<ul> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> <li>A chi ven that nan thiram 3g/kg seed</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that han thirani 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLAN	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
		SAIHA	chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		-
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		601	6   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	Deservative		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	L	4 <sup>th</sup> weeks	<ul> <li>D complex with antibodics</li> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MADVIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	30	ANZAWAL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthar tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		221	-5
		Y V V	7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Serchhip

Bulletin No: - 798/2018/ Bulletin/English

**Period:** 13 June – 17 June, 2018

### Date of issue: 12<sup>th</sup> June, 2018

Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018		
Rainfall (mm)	15	37	26	51	59		
Max Temp (°C)	23	23	22	22	21		
Min Temp (°C)	12	12	12	11	11		
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	100	100	100	99		
Min RH (%)	58	72	71	70	91		
Wind Speed (KmpH)	2	2	2	2	2		
*Wind Direction	E	E	E	S	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Pre Mo	onsoon- May 1-	31, 2018 (Percent )	of deviation fron	n normal in parer	nthesis)		
Aizawl- 383.68mm	· · · · · · · · · · · · · · · · · · ·		aiha- 109.52 mm	n Kolasib-	352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm	-	p-411.72mm		
(285.5mm)		.86.21mm)	(442.80mn		(259.8mm)		
Weather summary of	of the past	Weather fored	cast valid from	n 13 <sup>th</sup> June, 20	18 To 17 <sup>th</sup>		
three day	S	June, 2018.					
Maximum Tem. (°C):2	28-30°C	There are chances of moderate to heavy rainfall during the					
Minimum Tem. (°C):1	7-20°C	next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):98-	100%	the next 5 days may range for 21-23°C and 11-12°C.					
Minimum RH (%):74-3	83%	Maximum relative humidity is expected in the range of 100% and minimum may from 58-91%. Wind direction					
Wind Direction: Sout	heasterly						
Cloud cover: Mainly of	cloudy		U				
Wind speed: 4.06 km	/hr	would be easterly to southerly and easterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail					
-							
Rainfall: 125.3 mm		during the next five days.					
		Weekly	cumulative r	ainfall: 188.0	mm		
NDVI for Mizoram		North East Region 29	Mildly drv	condition oc	curs in all		
		~~ =-	districts of				
		Frank B	1				
		ACT I					
		NB.	:1				
		Agriculture vigour to moderate over some of the	parts N				
		inter international	24.0				
		VIV	14		1   D a c a		
		-	5-		1   P a g e		



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

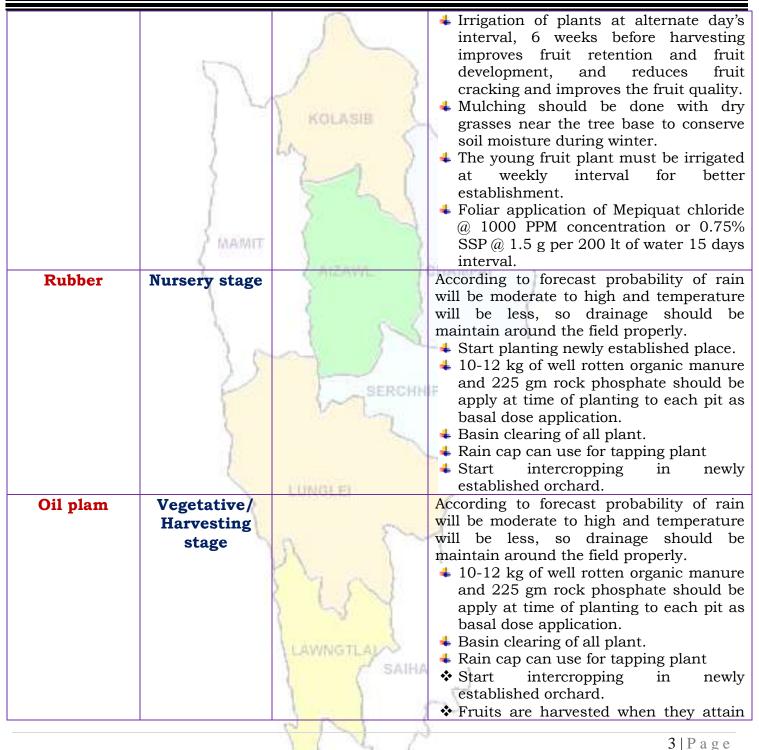


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	2	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	) INVERSION	be less, so drainage should be maintain
LIME	Stuge	La N	around the field properly.
	(	3 . 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	2		nursery immediately after extraction in
	1	2 5 1	to a depth 1.5 to 2 cm extraction at
	1	2 24	10x5 cm distance. Seedlings are planted
PLUM AND	S among		in secondary bed or polythene bags at 4-
PEACH	J' MAMIT	N	6 leaf stages.
	5	ATZAWAL	+ Potting mixture of soil, sand and FYM or
		A mean and a second	compost should be in proper ratio.
	1	5	+ Application of split dose of fertilizer 600:
	1.0		200:100 (g/pt).
	1		4 Only certified seed should be used.
	1 0		4 Stagnation of water in beds should be
	1)		avoided.
		SERCH	4 In the citrus belt, trees can be planted
	5	1 million	at any time; however, pre-monsoon is
	2		the best time for transplant or gap
	0	1	filling.
	16		<b>4</b> Standard-size trees should be spaced 12
		1000000-000	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3		distance depends on the variety. The
		000	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor-</b> Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	ОР		
COFFEE	Blooming	/ SAIH/	
	stage	1 6	spell occur it lead to Floral
	-		abnormalities like "Star Flower" in
		ARI	Arabica and "Pink Flower" in Robusta.
		VIV A	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

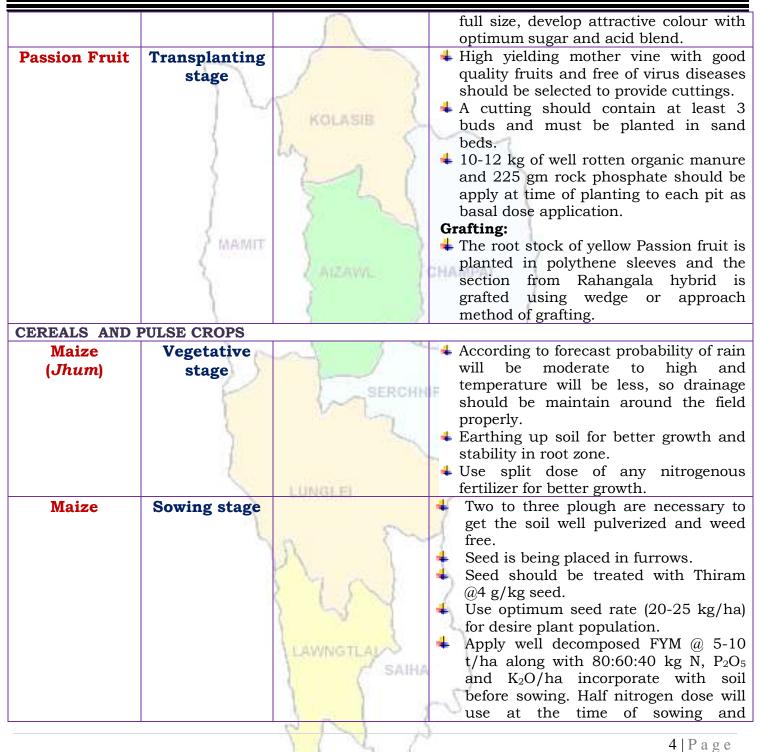






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination		4 According to forecast probability of rain
	stage	1	will be moderate to high and
		2 8	temperature will be less, so drainage
	1	N	should be maintain around the field
		KOLASIB	properly.
	1	E. S	<b>4</b> Earthing up soil for better growth and
	1	W7 2 7	stability in root zone.
	S		<b>4</b> Use split dose of any nitrogenous
	1	Stal	fertilizer for better growth.
Kharif pulses	Sowing stage	5 54	Land preparation or sowing in pits
(Green gram,	2		↓ Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT	X 2	MOP @ 20: 60: 40 kg.
Rajma)	S	Laiznus	<b>Use PSB 2g/kg for better germination.</b>
<b>VEGETABLE CR</b>	OP		
Ginger and	Sowing stage	)	<b>4</b> Rhizome should be treated with Thiram
turmeric	200		@4 g/kg seed.
	- N		4 Use optimum seed rate (50-60 kg/ha)
	2 6		for desire plant population.
			<b>4</b> Apply well decomposed FYM/ pig
		SERCHN	manure @ 10-20 t/ha along with
	5	w l	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	1		incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
0 11			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	5		rain will be moderate and temperature
	L.		will be less, so drainage should be
		10	<ul> <li>maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at</li> </ul>
			the time of full blooming
		1 7 6 1	In large gardens apply carbaryl 0.2 per
		1 61 4	cent or malathion 0.15 per cent
			suspension containing sugar or
		Contractor and Contractor	jeggery at 10 g/l at fortnightly
		LAWNGTLAN	intervals at flowering and fruit
		SAIHA	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to		+ According to forecast probability of
		0	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	<b>~</b>		
	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
	1. Terraria (1. 1. 1.		maintain around the field properly.
		1	<b>4</b> Earthing up soil for better growth and
	11 6	2 2	stability in root zone.
		2	4 Don't use split dose of any nitrogenous
		KOLASIB	fertilizer for better growth.
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0.	<b>4</b> If possible use straw mulch/ grass
	)	way in S	mulch in row to prevent moisture loss
	5	1 1	and better growth of plant.
	<u> </u>	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
	f.	Fruitiny	or malathion 0.15 per cent suspension
		21. 201	containing sugar or jeggery at 10 g/l at
	S manut		fortnightly intervals at flowering and fruit
	J' MAMIT	1	initiation.
Cowpea	Vegetative	ATZAWAL /	According to forecast probability of rain
o o n p o n	stage		will be moderate and temperature will
	Stage	) )	be less, so drainage should be maintain
	1.0		around the field properly.
			Earthing up soil for better growth and
	2 6		stability in root zone.
	101		<ul> <li>Don't use split dose of any nitrogenous</li> </ul>
	0	SERCHN	
01	No state the	(~	0
Okra	Vegetative		According to forecast probability of rain
	stage		will be moderate and temperature will
	18		be less, so drainage should be maintain
			around the field properly.
		LUNGLEI	<b>4</b> Earthing up soil for better growth and
	2	(10.00) (10.00) (10.00)	stability in root zone.
			Don't use split dose of any nitrogenous
		~ 5~	fertilizer for better growth.
Colocasia	Sowing stage	11	+ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
			+ Sprouted corms or cormels are planted
		1 Le Y	5-7 deep at a spacing of 40-50 cm
		A 1	between and within rows in the pits.
		and the second second	<b>4</b> Inorganic fertilizer like Urea, SSP and
		LAWNGTLAU	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI			
Pig	All stages	1 1	4 Animals must keep in dry place or
			kept in alleviated area and dry bedding
		a R I	(straw) to be provided to young
		11 V V	<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

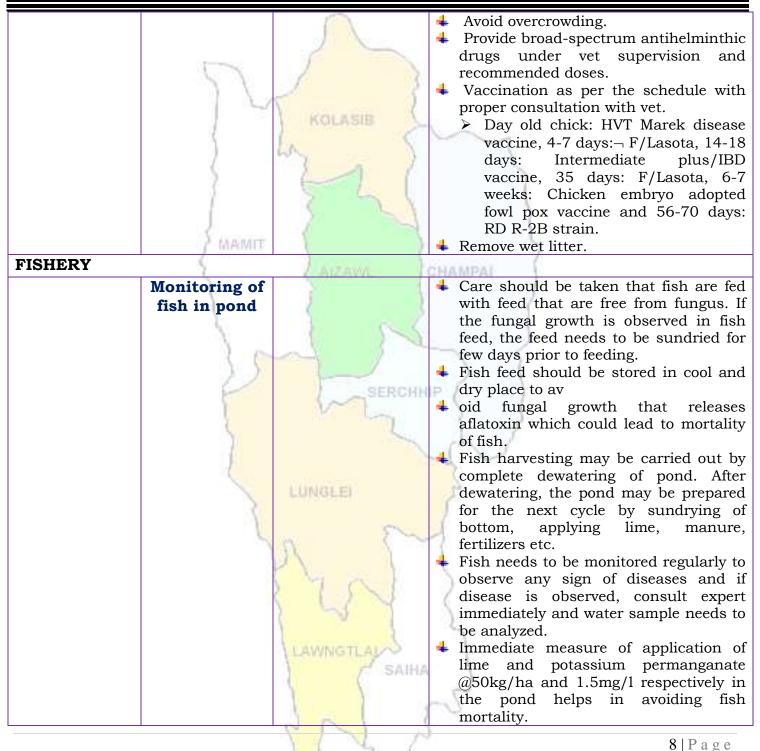


		Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group		<ul> <li>Provide 10-30 mi of vitamin B-Complex in feed</li> <li>1<sup>st</sup> injection at 6-8 weeks of age, 2nd injection after 6 months of 1<sup>st</sup> injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>
		NN C	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Serchhip

Bulletin No: -	798/2018/	Bulletin/Mizo
----------------	-----------	---------------

λ.

Period: 13 June - 17 June, 2018

### Date of issue: 12<sup>th</sup> June, 2018

Parameters	13.06.2018	14.06.2018	15.06.2018	16.06.2018	17.06.2018	
Rainfall (mm)	15	37	26	51	59	
Max Temp (°C)	23	23	22	22	21	
Min Temp (°C)	12	12	12	11	11	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	100	100	99	
Min RH (%)	58	72	71	70	91	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	E	E	E	S	E	
Northe	rly- N, North-l	Easterly- <mark>N-E</mark> , Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark>	,	
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	esterly-W, North	n-westerly- N-W	7.	
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei-	31, 2018 ( <i>Percent</i> ) i- 239.49mm (250.30mm) 344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasi m) m Serchh	enthesis) b- 352.38mm (380.9mm) tip-411.72mm (259.8mm)	
Weather summary of three days	of the past s	13 <sup>th</sup> June – 17 <sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):74-3 Wind Direction: South Cloud cover: Mainly of Wind speed: 4.06 km Rainfall: 125.3 mm	7-20°C 100% 83% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 100% leh a Thli hi darkar zawngin a tleh hian khawthiang	Khua a lum lai 11-12ºC ni tu a hniam lai ber khatah 2 km rin a ni. A tla g tak hmuh bei	i berin 21-23% ura beisei a r rin 58-91% ni vela chakin ngpuiin tun r sei a ni.	C a ni ang a. A ni. RH san lai tur a rin niin. chhaklam awi ni nga chhung	
			y cumulative 1			
NDVI for Mizoram			Moderately conditions	wet mildly d	lry/mildly wet	
		PN-	A		1   Page	



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

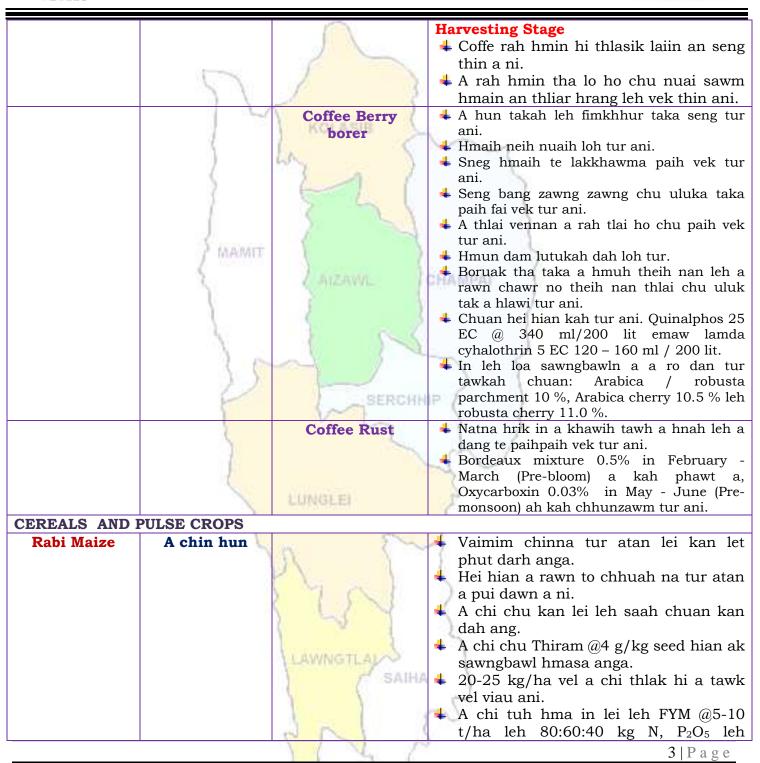


KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring dia bul velad dahkhawm tur ani.         BANANA								
/Fisheries       Diseases         FRUITS CROPS       A kui afanga a seng hun       A kui afanga a seng hun <ul> <li>A kui afanga a seng hun</li> <li>A seng hun</li> <li>Thla in aupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thla in aupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Taka manawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hun a kai 6 chlung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul> <li>PLUM AND PEACH         <ul> <li>Cummosis, citrus greening and Dieback</li> <li>Fruit fly RCH</li> <li>Huan zu takah chuan a par tan tirh leh a soil bome natna laka vennan Bordeaux past hi thing zar leh a rah tan tiri chawlhar hnih chhung chu heng te hian enkawl tur ani.</li> </ul> </li> <li>PLANTATION CROP         <ul> <li>All stages</li> <li>Musery stage</li> <li>Thla ich it hak hma in Azospirillum leh <i>Phosphobacterium a enkawl tur ani</i>.</li> <li>A chi hi December – January ah hmun zawl/ruaren 1.5 - 2.5 cm a in hlatin tar muna tak siam in chin tur ani.</li> <li>A chi hi December – January ah hmun zawl/ruaren 1.5 - 2.5 cm a in hlatin tar muna tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tiem te a chhih a buhpawla khuh tur ani.</li> <li>Niti tui pek tur ani a, ast lutuka loh an an nin a chhun loh nan zar hliah tur ani.</li> <li>Niti 45 hnu velah a tiak thin a,chu chu bag ah an sawn chuak leh thin ani.</li> </ul> </li>	<b>—</b> •	Stage		Agricultural / Horticultural/ animal				
/Fisheries       Diseases         FRUITS CROPS       A kui afanga a seng hun       A kui afanga a seng hun <ul> <li>A kui afanga a seng hun</li> <li>A seng hun</li> <li>Thla in aupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thla in aupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Taka manawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hun a kai 6 chlung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul> <li>PLUM AND PEACH         <ul> <li>Cummosis, citrus greening and Dieback</li> <li>Fruit fly RCH</li> <li>Huan zu takah chuan a par tan tirh leh a soil bome natna laka vennan Bordeaux past hi thing zar leh a rah tan tiri chawlhar hnih chhung chu heng te hian enkawl tur ani.</li> </ul> </li> <li>PLANTATION CROP         <ul> <li>All stages</li> <li>Musery stage</li> <li>Thla ich it hak hma in Azospirillum leh <i>Phosphobacterium a enkawl tur ani</i>.</li> <li>A chi hi December – January ah hmun zawl/ruaren 1.5 - 2.5 cm a in hlatin tar muna tak siam in chin tur ani.</li> <li>A chi hi December – January ah hmun zawl/ruaren 1.5 - 2.5 cm a in hlatin tar muna tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tiem te a chhih a buhpawla khuh tur ani.</li> <li>Niti tui pek tur ani a, ast lutuka loh an an nin a chhun loh nan zar hliah tur ani.</li> <li>Niti 45 hnu velah a tiak thin a,chu chu bag ah an sawn chuak leh thin ani.</li> </ul> </li>	Animal		practices/ Pest/	husbandry advisories				
KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring dia bul velad dahkhawm tur ani.         BANANA	/Fisheries							
KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring dia bul velad dahkhawm tur ani.         BANANA	FRUITS CROPS							
MANDARIN AND ACID LIME       a seng hun       wenan chuan hnim hnah hring tlai bul welah dahkhawm tur ani.         BANANA       Haia naupang deutah chuan chawih kar tin a tui pek thin tur ani.       Thiai naupang deutah chuan chawih kar tin a tui pek thin tur ani.         STAR FRUIT       Image: State of the state of	KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur				
AND ACID LIME BANANA BANANA STAR FRUIT Gummosis, citrus greening and Dieback COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE	MANDARIN	the second se	KOLASIE	vennan chuan hnim hnah hring tlai bul				
LIME       4 Thiai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.         BANANA       5 TAR FRUIT         STAR FRUIT       4 A seng hma kar 6 chlung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah taka tur aveng thei ani.         PLUM AND PEACH       Gummosis, citrus greening and Dieback         Fruit fly       4 Temperture hniam lutuk leh hnawng vang and arangal te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tin chawlhkar hnih chlung chu heng te lian enkawl tur ani.         PLANTATION CROP       All stages         COFFEE       All stages         Nursery stage       Thai na ay a sat lutuka loh nan zar hliah tur ani.         A chi hi December – January ah hmun zawl/nualrem 1.5 - 2.5 cm a in hlatin tar mumal tak siam in chin tur ani.         A chi hi December – January ah hmun zawl/nualrem 1.5 - 2.5 cm a in hlatin tur ani.         A chi hi December – January ah hmun zawl/nualrem 1.5 - 2.5 cm a in hlatin tur ani.         Nitin tui pek tur ani. a, a sat lutuka loh nan zar hliah tur ani.         Nitin tui pek tur ani.         Niti 45 hnu vela	AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.				
BANANA         BANANA         STAR FRUIT         STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly         Fruit fly         Value         PLANTATION CROP         COFFEE         All stages         Nursery stage         Child the child		)	La N	👍 Thlai naupang deuah chuan chawlh				
STAR FRUIT       Image: Content of the second		(	3 4 1					
STAR FRUIT       Image: Construct of the second secon	BANANA	2		🖊 Leia tha mamawh tawk a hmuh				
STAR FRUIT <ul> <li>A seng hma kar 6 chung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah tkeh tur lakah t a veng thei ani.</li> <li>PLUM AND PEACH</li> <li>Gummosis, citrus greening and Dieback</li> <li>Fruit fly</li> <li>Fruit fly</li> <li>Huan zu takah chuan a par tan tirin chawlikar hnih chung chu heng te hian enkawl tur ani:</li> <li>Huan zu takah chuan a par tan tirin chawlikar hnih chung chu heng te hian enkawl tur ani:</li> <li>Fruit fly</li> <li>Huan zu takah chuan a par tan tirin chawlikar hnih chung chu heng te hian enkawl tur ani:</li> <li>Suspension containing sugar or jeggery at 10 g/l.</li> </ul> <li>PLANTATION CROP</li> <li>COFFEE</li> <li>All stages</li> <li>Nursery stage</li> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ahi.</li> <ul> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ahi.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>		1	2 5	theihna turin a hmunhma a hnim awm				
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Diebaack       Image: Temperture hniam lutuk leh hnawng vang hiam natna a a tam duh a . Soil bome natna laka vennam Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Image: Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         Image: Huan zau tak siam in chin tur ani.         Image: All stages         Nursery stage         Image: Image: Huan zau taka thin a, chu chu bapawla khuh tur ani.         Image: Image: Image: Huan zau taka thin a, chu chu bapawla khuh tur ani.         Image:				te thlawhfai thin tur ani.				
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Image: Constant of the state	STAR FRUIT	S LABOATT		4 A seng hma kar 6 chhung chu tui tha				
PLUM AND PEACH       keh tur lakah t a veng thei ani.         Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Nitin tui pak tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		( inservit t	5	taka pek hian a rah tla tur chelh nan				
PEACH       Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a at am duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	DI LIM AND	30	Z AIZAWIL I					
Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Wursery stage         4 Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         4 A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				keh tur lakah t a veng thei ani.				
canker, citrus       hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Nii 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.	PLACH	1						
greening and Dieback       laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Variable       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         * A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.								
Dieback       a trangah te hnawih tur ani.         Pruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Variable       Variable         Variable       Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Nita thi Abuh a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				- //				
Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP         COFFEE       All stages         Mursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5.0						
PLANTATION CROP       All stages       Nursery stage         COFFEE       All stages       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         * A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		11						
PLANTATION CROP       All stages       Nursery stage         COFFEE       All stages       * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         * A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.       * A chi hi December – January ah hmun zawl/rualrem 1.6 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		1	FILICITY ROAM					
PLANTATION CROP       All stages       Nursery stage         COFFEE       All stages       Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.       A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Kursery stage       Hittin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Kursery stage       Hittin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		1	V La					
10 g/l.         PLANTATION CROP         COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       - Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       - Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		S		percent emaw malathion 0.15 percent				
PLANTATION CROP         COFFEE       All stages         All stages <ul> <li>Thiai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> </ul> <ul> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> </ul>		1		suspension containing sugar or jeggery at				
COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				10 g/l.				
<ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			LUNGLEI					
<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>	COFFEE	All stages	energy second l					
<ul> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			C	_				
<ul> <li>zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>		5	n (~					
<ul> <li>tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>		j j		5				
<ul> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			1 mg and					
buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.								
<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			1 -2 1					
nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.								
ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			LAWNGTLAU					
Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			- SAIHA	N N N N N N N N N N N N N N N N N N N				
bag ah an sawn chhuak leh thin ani.			1 6					
2015								
2 Page								
			VIV A	2   P a g e				



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL SERCHH	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		CN P	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			awm thin a , hei hi natna tlanglawn
			ber ani.
		f in	Thlai hna lam chi leh zikhlum lam
	8.1	1 3	chi reng reng enkawl nan Mancozeb
	1 1	6	@ 2gm ah tui leter 1 pawlha kah
	1 3	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum	)	LA.	tui pek thin tur ani.
-	5	2 1	🔸 Thlai bul vawn hnawn nana thlai bula
	3	Contraction of the second	hnim ring vawm khawm hi tui pek
	1	$C \rightarrow I$	zawhah dah tur ani.
		1	+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	5	) astrong	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora	↓ A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	100	blight	(Apron)/ kg seed hi a tha hle ani
	1		4 Hneh taka 1% Bordeaux chawhpawlh
	2.0		emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	<ul> <li>Tui pek a hnihnah hringa khuh tur ani</li> </ul>
rionon soun	Sowing Stuge	N La	a. than a that theih nan tui pek hma
	S		in lei rin pan hmasak tur ani.
	18		4 A than duna theih nan leh hnim to loh
	and the second sec		na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish		5	tui pek thin tur ani.
		11 1	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
		PN- N	↓ Zikhlum lam chi ah chuan sik leh
		123 6 6	sa vangin a hnah ah thil dum a
		1 LC Y	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
		- SAIHA	chi reng reng enkawl nan
		( ( SAINA	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		201	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PN 2	<b>6</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	221	<ul> <li>a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	<b>4 Coccidiosis</b> - Amprolium or
	2		coccidiostat
	MAMIT	4-5 <sup>th</sup> Weeks	+ Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	ARZAWIL 1	CHAMPAI
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turir hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lah atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lah atangin a veng thei.</li> </ul>
		C 1 1	710000
			7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



8 | Page



**GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM** *AG*RICULTURE METEOROLOGICAL FIELD UNIT (AMFU)-KOLASIB (Collaborating Department, KVK)



Name of the AMFU- AMFU, Kolasib

Period- 12<sup>th</sup> June – 13<sup>th</sup> June, 2018

Crop Information No: - 180/2018/CIN/English

Date of issue: 11<sup>th</sup> June, 2018

### Crop information/sowing status for AMFU's (Should be sent biweekly on every Monday and Thursday)

AMFU NAME: AMFU, Kolasib STATE: Mizoram DATE: 11.06.2018					
Name of TO : Samik Chowdhury Contact number : 986287					
Name of	Major Post Kharif	Sowing status	whether sowing	Whether any	
districts	crops	(whether sowing	is undertaken	stress	
districts	crops	started/not	within the	condition	
		started/complete	normal sowing	existing	
		d)	window	••••••	
1. Aizawl	1. Early Maize	Flowering stage	Normal sowing	Normal	
		110.00111.9.000.80	window	rtornar	
	2. Kharif maize	Sowing stage	Normal sowing	Normal	
			window	rtornar	
	3. Upland rice	Germination stage	Normal sowing	Normal	
	or optimite free	dermination stage	window	rtornar	
	4. Brinjal	Nursery stage	Normal sowing	Normal	
		indicely chage	window	rtornar	
	5. Cowpea	Vegetative stage	Normal sowing	Normal	
	or compou	· · · · · · · · · · · · · · · · · · ·	window	rtornar	
	6. Chilli	Nursery stage	Normal sowing	Normal	
		indicory chago	window	rtornar	
	7. Bhindi	Fruiting stage	Normal sowing	Normal	
			window	rtornar	
	8. Early	Vegetative stage	Normal sowing	Normal	
	cucurbitaceous crop		window	Tioninai	
	9. Coffee	Berry (Fruit)	Normal sowing	Normal	
		harvesting stage	window	1,01111	
	10. Rubber	Vegetative stage	Normal sowing	Normal	
			window	1,01111	
	11. Ginger and	Sowing stage	Normal sowing	Normal	
	turmeric	0 0	window		
	12. Mandarin,	Nursery and gap	Normal sowing	Normal	
	mango and Acid	filling stage	window		
	lime				
	·				
2. Champhai	1. Early Maize	Flowering stage	Normal sowing	Normal	
-	5		window		
	2. Kharif maize	Sowing stage	Normal sowing	Normal	
			window		
	3. Upland rice	Germination stage	Normal sowing	Normal	
	-		window		
	4. Brinjal	Nursery stage	Normal sowing	Normal	
	-		window		
	5. Cowpea	Vegetative stage	Normal sowing	Normal	
	-		window		
	6. Chilli	Nursery stage	Normal sowing	Normal	
			window		
	7. Bhindi	Fruiting stage	Normal sowing	Normal	
		0 0	window		
	8. Early	Vegetative stage	Normal sowing	Normal	
	cucurbitaceous crop		window		
	9. Coffee	Berry (Fruit)	Normal sowing	Normal	
		harvesting stage	window		
L					



#### **GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM** AGRICULTURE METEOROLOGICAL FIELD UNIT (AMFU)-KOLASIB (Collaborating Department, KVK)



	10. Rubber	Vegetative stage	Normal sowing window	Normal
	11. Ginger and turmeric	Sowing stage	Normal sowing window	Normal
	12. Mandarin, mango and Acid lime	Nursery and gap filling stage	Normal sowing window	Normal
	1 N	S.	198	
3. Kolasib	1. Early Maize	Flowering stage	Normal sowing window	Normal
	2. Kharif maize	Sowing stage	Normal sowing window	Normal
	3. Upland rice	Germination stage	Normal sowing window	Normal
	4. Brinjal	Nursery stage	Normal sowing window	Normal
	5. Cowpea	Vegetative stage	Normal sowing window	Normal
	6. Chilli	Nursery stage	Normal sowing window	Normal
	7. Bhindi	Fruiting stage	Normal sowing window	Normal
	8. Early cucurbitaceous crop	Vegetative stage	Normal sowing window	Normal
	9. Coffee	Berry (Fruit) harvesting stage	Normal sowing window	Normal
	10. Rubber	Vegetative stage	Normal sowing window	Normal
	11. Ginger and turmeric	Sowing stage	Normal sowing window	Normal
	12. Mandarin, mango and Acid lime	Nursery and gap filling stage	Normal sowing window	Normal
		Providence.	100	
4. Lawngtlai	1. Early Maize	Flowering stage	Normal sowing window	Normal
	2. Kharif maize	Sowing stage	Normal sowing window	Normal
	3. Upland rice	Germination stage	Normal sowing window	Normal
	4. Brinjal	Nursery stage	Normal sowing window	Normal
	5. Cowpea	Vegetative stage	Normal sowing window	Normal
	6. Chilli	Nursery stage	Normal sowing window	Normal
	7. Bhindi	Fruiting stage	Normal sowing window	Normal
	8. Early cucurbitaceous crop	Vegetative stage	Normal sowing window	Normal
	9. Coffee	Berry (Fruit) harvesting stage	Normal sowing window	Normal
	10. Rubber	Vegetative stage	Normal sowing window	Normal
	11. Ginger and turmeric	Sowing stage	Normal sowing window	Normal
	12. Mandarin, mango and Acid	Nursery and gap filling stage	Normal sowing window	Normal



#### ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM AGRICULTURE METEOROLOGICAL FIELD UNIT (AMFU)-KOLASIB (Collaborating Department, KVK)



	lime			
5. Lunglei	1. Early Maize	Flowering stage	Normal sowing window	Normal
	2. Kharif maize	Sowing stage	Normal sowing window	Normal
	3. Upland rice	Germination stage	Normal sowing window	Normal
	4. Brinjal	Nursery stage	Normal sowing window	Normal
	5. Cowpea	Vegetative stage	Normal sowing window	Normal
	6. Chilli	Nursery stage	Normal sowing window	Normal
	7. Bhindi	Fruiting stage	Normal sowing window	Normal
	8. Early cucurbitaceous crop	Vegetative stage	Normal sowing window	Normal
	9. Coffee	Berry (Fruit) harvesting stage	Normal sowing window	Normal
	10. Rubber	Vegetative stage	Normal sowing window	Normal
	11. Ginger and turmeric	Sowing stage	Normal sowing window	Normal
	12. Mandarin, mango and Acid lime	Nursery and gap filling stage	Normal sowing window	Normal
		W L	N. 11	1
6. Mamit	1. Early Maize	Flowering stage	Normal sowing window	Normal
	2. Kharif maize	Sowing stage	Normal sowing window	Normal
	3. Upland rice	Germination stage	Normal sowing window	Normal
	4. Brinjal	Nursery stage	Normal sowing window	Normal
	5. Cowpea	Vegetative stage	Normal sowing window	Normal
	6. Chilli	Nursery stage	Normal sowing window	Normal
	7. Bhindi	Fruiting stage	Normal sowing window	Normal
	8. Early cucurbitaceous crop	Vegetative stage	Normal sowing window	Normal
	9. Coffee	Berry (Fruit) harvesting stage	Normal sowing window	Normal
	10. Rubber	Vegetative stage	Normal sowing window	Normal
	11. Ginger and turmeric	Sowing stage	Normal sowing window	Normal
	12. Mandarin, mango and Acid lime	Nursery and gap filling stage	Normal sowing window	Normal
7. Saiha	1. Early Maize	Flowering stage	Normal sowing window	Normal
	2. Kharif maize	Sowing stage	Normal sowing window	Normal



#### **GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM** AGRICULTURE METEOROLOGICAL FIELD UNIT (AMFU)-KOLASIB (Collaborating Department, KVK)



			L .	
	3. Upland rice	Germination stage	Normal sowing window	Normal
	4. Brinjal	Nursery stage	Normal sowing window	Normal
	5. Cowpea	Vegetative stage	Normal sowing window	Normal
	6. Chilli	Nursery stage	Normal sowing window	Normal
	7. Bhindi	Fruiting stage	Normal sowing window	Normal
	8. Early cucurbitaceous crop	Vegetative stage	Normal sowing window	Normal
	9. Coffee	Berry (Fruit) harvesting stage	Normal sowing window	Normal
	10. Rubber	Vegetative stage	Normal sowing window	Normal
	11. Ginger and turmeric	Sowing stage	Normal sowing window	Normal
	12. Mandarin, mango and Acid lime	Nursery and gap filling stage	Normal sowing window	Normal
	mile	1		( ) ·
8. Serchhip	1. Early Maize	Flowering stage stage	Normal sowing window	Normal
	2. Kharif maize	Sowing stage	Normal sowing window	Normal
	3. Upland rice	Germination stage	Normal sowing window	Normal
	4. Brinjal	Nursery stage	Normal sowing window	Normal
	5. Cowpea	Vegetative stage	Normal sowing window	Normal
	6. Chilli	Nursery stage	Normal sowing window	Normal
	7. Bhindi	Fruiting stage	Normal sowing window	Normal
	8. Early cucurbitaceous crop	Vegetative stage	Normal sowing window	Normal
	9. Coffee	Berry (Fruit) harvesting stage	Normal sowing window	Normal
	10. Rubber	Vegetative stage	Normal sowing window	Normal
	11. Ginger and turmeric	Sowing stage	Normal sowing window	Normal
	12. Mandarin, mango and Acid lime	Nursery and gap filling stage	Normal sowing window	Normal
and the second				



#### **GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM** AGRICULTURE METEOROLOGICAL FIELD UNIT (AMFU)-KOLASIB (Collaborating Department, KVK)



Collaborating Department (KVK):				
Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	<b>Dr. Lalmuanzovi</b> Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	<b>Mr. Lalrosamga Khiangte</b> Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	<b>Mr. K. Laltlanmawia</b> Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	<b>Mrs. Lalrinawmi</b> <b>Renthlei</b> Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	<b>Dr. Samuel Lalliansanga</b> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	<b>Dr. K. P. Chaudhary</b> Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

#### Compiled by

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.co</u>
			<u>m</u>
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Mr. Samik	:	Technical Officer	samikchowdhury33@gmail.com
Chowdhury		1 Control	
Miss. J.	:	Scientist (Agril.	mamijinhlong@gmail.com
Vanlalhluzuali		Extension)	s de l

#### Note:

- While selecting major crop, concerned state department reports should be mentioned as per priority with respect to major crops for each district.
- In case of other crops, area under cultivation should be considered.
- This form should send to Agrimet office, Pune biweekly (on Monday and Thursday).
- Any specific remark regarding crop, pest and disease should be mentioned as per requirement.
- Status of crop (normal/water deficit/flooded) should be mentioned as per weather condition.

