

**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



**District: Aizawl** 

Period: 08 November - 12 November, 2017

Bulletin No: - 74	8/2017/	Bulletin/	English
	1	1	10

Date of issue: 07th November, 2017

Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017	
Rainfall (mm)	0	5	2	0	0	
Max Temp (°C)	28	28	27	27	26	
Min Temp (°C)	16	16	15	15	14	
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Clear sky	Clear sky	
Max RH (%)	97	96	95	97	98	
Min RH (%)	35	40	39	34	33	
Wind Speed (KmpH)	4	3	3	4	3	
*Wind Direction	Е	E	E	E	E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.		
		1-31, 2017 (Percen				
<b>Aizawl- 384.87mm</b>	-		<mark>Saiha-</mark> 216.20 n		247.17mm	
(430.2mm)		(301.30mm)	(367.7r		(372.0mm)	
Lawngtlai-291.20mm	Lunglei		Mamit-197.57n	· · · · · · · · · · · · · · · · · · ·	-247.35mm	
(453.1mm)		(371.4mm)	(376.0n	*	(301.8mm)	
Weather summary		Weather forec		08 <sup>th</sup> Novembe	er, 2017 To	
three day		12 <sup>th</sup> November, 2017.				
Maximum Tem. (°C):2		There are chances of light rainfall during the next 2 days.				
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5				
Maximum RH (%):88-		days may range for 27-28°C and 14-16°C. Maximum				
Minimum RH (%):71-		relative humidity is expected in the range of 97-98% and				
Wind Direction: Sout		minimum may	from 33-40%.	Wind direction	on would be	
Cloud cover: Mainly of		easterly with the wind speed of 3-4 km per hour. Mainly				
Wind speed: 2 km/hr		clear will prevail during the next five days.				
Rainfall: 00.0 mm		-	0	5		
Kaiman: 00.0 mm		Weekl	u cumulative i	rainfall: 07.0 1	mm	
			9			
NDVI for Mizoram			Moderately	wet mildly dr	v/mildly_wet	
		North East Region 39 June 2017	conditions	wet military th	y minury wet	
		Apriculture report is good some most of the parts horibers a Traver and Weigname whereas monitoring report is noticed in of the second				
		6 1	2			
			1		1   P a g e	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	<u><u> </u></u>	0.14	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Fruiting stage	8 5	4 According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	1	So weekly irrigation is required for
LIME	)	LA.	upcoming week or use straw mulch
	(	1 1 1	reduces soil water loss.
BANANA	1		<b>4</b> Medium to young seedling should be
	6	2 2 1	support by bamboo stake.
			♣ To increase the fruit set, spray 2, 4 – D
STAR FRUIT	AMAMIT		@ 20 ppm during flowering stage. For
	1 meaning	5	fruit retention, spray 2, 4 – D @ 20 ppm
	3.0	Z ATZAWAL Y	or NAA @ 30 ppm after fruit set (marble
PLUM AND			size).
PEACH	1	1	Due to high humidity, high temperature
	100	3 6 6	and less rainfall in hilly region of the
	1		district probability of leaf rust will be
			high. So apply Hexaconazole @ 1 ml/10
	11		lt of water.
	8	Fruit fly RCH	↓ In large gardens apply carbaryl 0.2 per cent
	3	V Land	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	5		fortnightly intervals at flowering and fruit
			initiation.
	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	Gummosis,	+ Due to low temperature and humidity
	1	citrus canker,	disease appearance will more. Use Bordeaux
	5	citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne
DI ANTATION OF		5	disease.
PLANTATION CR			
COFFEE	Fruiting stage	Charles I	+ According to forecast and past weather
			record, there is no probability of
		1 25 1	rainfall. So weekly irrigation is required
		A A	for upcoming week or use straw mulch
		LAWNGTLANS	reduces soil water loss.
			Replanting of new seedling
		- SAIHA	Medium to young seedling should be support by bamboo stake.
		1 - 1	Replace dead plant with young seedlings.
		P N N	
			2   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)



	MAMIT	KOLASIB	<ul> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li>Foliar application of Mepiquat chloride <ul> <li>(a) 1000 PPM concentration or 0.75%</li> <li>SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul> </li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1</li> </ul>
	Z		ml/10 lt of water.
Rubber	Vegetative stage		<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Use grass or straw mulch to prevent from waterloss.</li> <li>Medium to young seedling should be support by bamboo stake.</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> </ul>
Strawberry	Transplanting stage	M	<ul> <li>Plough the field properly.</li> <li>Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.</li> <li>Make hole in the upper side of the bun and mix FYM with soil properly.</li> <li>Apply water in every holes of the bun.</li> <li>Transplant young suckers in the bun.</li> </ul>
CEREALS AND I	1		
Kharif Rice	Physiological maturity stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		NN P	3   P a g e

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			channel for maintain field moisture.
			4 Harvest all mature panicle to reduce
			-
	1000 C		bird damage.
	6 2	6 2	<b>4</b> Make a channel around the field to
		1 3	drain excess water and also start
	1 mil	V	planning for next crop.
		Gandhi bug	4 Weed sanitation and eradication of
	5	6.	alternate hosts from rice fields and
	)	60 J	surrounding areas can help prevent the
	5		multiplication of the Gandhi bug.
	6	the second of the second se	4 Mechanical control measures such as
	1		smoking the field, hand-picking of adults
			and nymphs have also been advocated.
Rabi Maize	Germination		<b>4</b> Thinning must be done where more
	stage	S	population was observed.
		LAIZAWE I	↓ Irrigation should be provide 3 days
			interval
		2	4 Apply 2% urea solution for better
	200		growth.
	1		<b>4</b> Weeding and earthing up should be
	1 6		carried out.
	1)		4 Leaf and stem cutter insect will be
	0	SERCHN	
		w j	reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram	stage	2010 thing	population was observed.
and	Stage		↓ Irrigation should be provide 3 days
			interval
blackgram		LUNGLEI	Apply 2% urea solution for better
	3	and a second second second	growth.
	1	1000	Weeding and earthing up should be
	5	n 7~~	carried out.
		1	Leaf and stem cutter insect will be
			more so apply any contact poison for
		and the set	reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	Irrigation should be provide 3 days integral
Soybean	stage	Contractor and Contractor	interval
cultivation in		LAWNGTLAY	Apply 2% urea solution for better
Jhum		SAIHA	
			<b>4</b> Weeding and earthing up should be
	~ .		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		1 4 6	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Toria		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
VEGETABLE CR			
Ginger and turmeric	Vegetative stage	AIZAWL SERCHH	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Forly colo	Nurson store	Land	
Early cole	Nursery stage		✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
сгор		preparation	
		1141	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed
			solarisation.
	a management of the		Bed should be 1m width and
	1	1	conventional length.
	1 6	1 3	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
		1	↓ Line sowing of seeds (7-10cm)
		KOLASIB	✓ Irrigation must be provide to nursery
	4	(	every alternative days.
Onion	Nursery stage	Poly house	<b>4</b> Raised bed, nursery bed solarisation.
			<b>4</b> Bed should be 1m width and
	5		conventional length.
	1		Application of FYM (1.5-2.0 kg/ $m^2$ )
			Line sowing of seeds (7-10cm)
	MAMIT		↓ Irrigation must be provide to nursery
	L Massie A		every alternative days.
	30	CATZAWAL !!	<ul> <li>Seed treatment with thiram 3g/kg seed or</li> </ul>
	1	2 A	Trichoderma viride 4g+ metalaxyl 4g
	16	3	(Apron)/ kg seed
		3 6 6	↓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage		4 Variable, healthy, well mature and pure
		SERCHN	seeds should be sown.
	1	V	4 Optimum spacing for pole type 60 cm X
			30 cm.
			<b>4</b> Before sowing seed should be treated
	1,00		with Rhizobium vermicompost@10
	and the second	Will meeting	t/ha.
Capsicum	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
_			4 Bed should be 1m width and
		5~	conventional length.
		$\mathcal{R}$	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Line sowing of seeds (7-10cm)
		100 6 6	Irrigation must be provide to nursery
			every alternative days.
		6 - 5 - 6	Seed treatment with thiram 3g/kg seed or
		Long and the second second	Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed
		/ SAIHA	Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
Duissial	Numeror		at 10-15 DAS are effective.
Brinjal	Nursery stage	D D	Vursery preparation for Brinjal.
		VIL P	6   P a g e
			- I



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed
			solarisation.
	1 mm	5	Bed should be 1m width and
	60	1	conventional length.
		- 5	Application of FYM (1.5-2.0 kg/
	i interest	KOLASIB	$m^2$
	1	1 NULHOID	Line sowing of seeds (7-10cm)
		La N	<ul> <li>Irrigation must be provide to nursery</li> </ul>
	(	3 4 1	every alternative days.
Chilli	Nursery stage	time and	<ul> <li>Nursery preparation for tomato.</li> </ul>
<b>U</b>	maisery stage	2 3 1	<ul> <li>Raised bed, nursery bed</li> </ul>
			solarisation.
	AMAINT		<ul> <li>Bed should be 1m width and</li> </ul>
	1	5	
	3	ATZAWIL I	conventional length. $(1.5, 0.0 \log (m^2))$
	1	2	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
		6 5	Line sowing of seeds (7-10cm)
	S	1 6 6	↓ Irrigation must be provide to nursery
	NT		every alternative days.
Tomato	Nursery stage		<ul> <li>Nursery preparation for tomato.</li> <li>Beingd had purport had calorization</li> </ul>
	12	armanul	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and</li> </ul>
		SERCHH	conventional length.
	1	N Long	Application of FYM (1.5-2.0 kg/ $m^2$ )
	S		<ul> <li>Line sowing of seeds (7-10cm)</li> </ul>
	1		<ul> <li>Irrigation must be provide to nursery</li> </ul>
	0		every alternative days.
		Damping off	Seed treatment with thiram 3g/kg seed or
	3		Trichoderma viride 4g+ metalaxyl 4g
		500	(Apron)/ kg seed
		n (~~	Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBE	NDADV		at 10-15 DAS are ellective.
Pig	All stages		4 Animals must keep in dry place or
r ig	AII SLAGES	1 20 1	kept in alleviated area and dry bedding
		And the second sec	(straw) to be provided to young
		LAWNGTLAU	animals.
		SAIHA	$\downarrow$ 1 <sup>st</sup> injection at 6 months of age and
			2nd injection at 12 months of age
			followed by annual vaccination under
	·	N N S	~
		114 6	7   P a g e
			· · · · · · · · · · · · · · · · · · ·



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

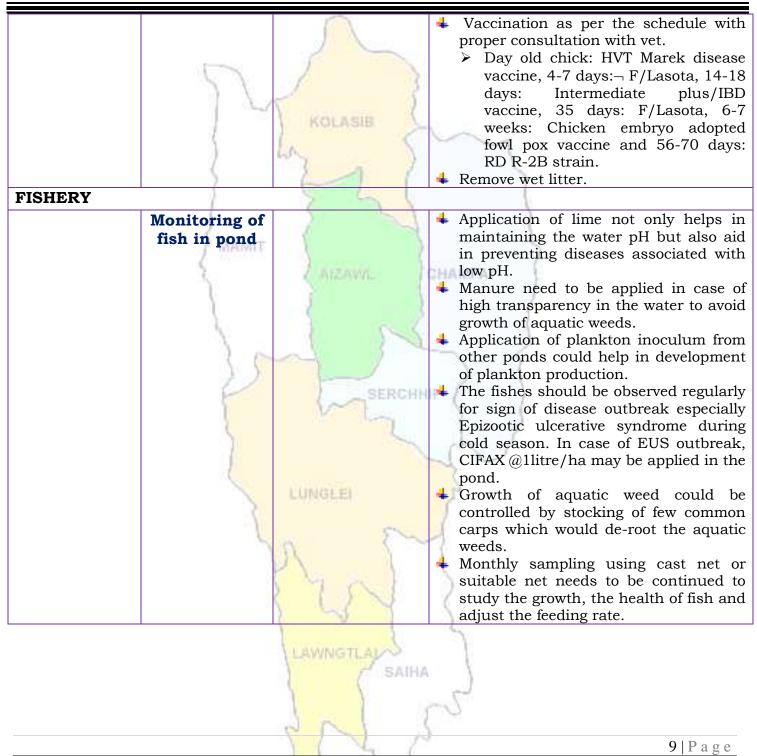


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. 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>
		1121	8   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		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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | 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,





### **District:** Champhai

Period: 08 November - 12 November, 2017

Bulletin No: - 748/2017/ Bu	lletin/English
-----------------------------	----------------

Date of issue: 07th November, 2017

Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017
Rainfall (mm)	0	2	2	0	0
Max Temp (°C)	28	28	27	27	26
Min Temp (°C)	16	16	15	15	14
Cloud Coverage	Clear sky	Mainly clear	Mainly clear	Clear sky	Clear sky
Max RH (%)	97	90	95	95	87
Min RH (%)	34	42	39	29	34
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	Е	E	E	E	E
Northe	rly- <mark>N</mark> , North-H	Casterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		/esterly- <mark>S-W</mark> , We			
STATUS OF MON					
Aizawl- 384.87mm			<mark>Saiha-</mark> 216.20 n		247.17mm
(430.2mm)		301.30mm)	(367.7r		(372.0mm)
Lawngtlai-291.20mm			Mamit-197.57n	-	-247.35mm
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)
Weather summary		Weather forec		08 <sup>th</sup> Novembe	er, 2017 To
three day			12 <sup>th</sup> Novemb		
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):84- Minimum RH (%):65- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2 km/h Rainfall: 00.0 mm	<ul> <li><sup>o</sup>C):13<sup>o</sup>C</li> <li>):84-91%</li> <li>):65-78%</li> <li>Southeasterly</li> <li>inly clear</li> <li>m/hr</li> <li>The maximum and minimum temperatures for the days may range for 26-28<sup>o</sup>C and 14-16<sup>o</sup>C. Max relative humidity is expected in the range of 87-97</li> <li>minimum may from 29-42%. Wind direction would easterly with the wind speed of 4 km per hour. Clear will prevail during the next five days.</li> </ul>				
NDVI for Mizoram		Terth Lost Report	conditions	wet mildly dr	y/mildly wet
		112	12		1   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	<u> </u>		
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Fruiting stage	8 5	4 According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	C	So weekly irrigation is required for
LIME	)	LA.	upcoming week or use straw mulch
	(	1 1 1	reduces soil water loss.
BANANA	1		4 Medium to young seedling should be
	1	2 21	support by bamboo stake.
			<b>4</b> To increase the fruit set, spray 2, $4 - D$
STAR FRUIT	AMAMIT		@ 20 ppm during flowering stage. For
	1		fruit retention, spray 2, 4 – D @ 20 ppm
PLUM AND	3	( ATZAWIL )	or NAA @ 30 ppm after fruit set (marble
PEACH			size).
PEACH		(	4 Due to high humidity, high temperature
		1 6 6	and less rainfall in hilly region of the
	1		district probability of leaf rust will be
	60		high. So apply Hexaconazole @ 1 ml/10 lt of water.
	11	Dura 14 film	In large gardens apply carbaryl 0.2 per cent
		Fruit flyERCH	or malathion 0.15 per cent suspension
	1	N Long	containing sugar or jeggery at 10 g/l at
	S		fortnightly intervals at flowering and fruit
	A.		initiation.
		Gummosis,	+ Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	3	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
	1	and Dieback	disease.
PLANTATION CR	OP	1.54	
COFFEE	Fruiting stage		<b>4</b> According to forecast and past weather
		1 9 201	record, there is no probability of
			rainfall. So weekly irrigation is required
		1 -2 1	for upcoming week or use straw mulch
		1 1	reduces soil water loss.
		LAWNGTLAUS	Replanting of new seedling
		- SAIHA	4 Medium to young seedling should be
		1 1	support by bamboo stake.
			<b>4</b> Replace dead plant with young
		ARI	seedlings.
		VIN A	2   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)



Rubber	Vegetative stage	<ul> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li>Foliar application of Mepiquat chloride</li> <li>@ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.</li> <li>According to forecast and past weather record, there is no probability of</li> </ul>
	J	<ul> <li>rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Use grass or straw mulch to prevent from waterloss.</li> <li>Medium to young seedling should be support by bamboo stake.</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</li> </ul>
Strawberry	Transplanting stage	<ul> <li>basal dose application.</li> <li>Plough the field properly.</li> <li>Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.</li> <li>Make hole in the upper side of the bun and mix FYM with soil properly.</li> <li>Apply water in every holes of the bun.</li> <li>Transplant young suckers in the bun.</li> </ul>
<b>CEREALS AND</b>	PULSE CROPS	
Kharif Rice	Physiological maturity stage	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		3   P a g e

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		15 V	channel for maintain field moisture.
			4 Harvest all mature panicle to reduce
			-
			bird damage.
	6 1	6 2	<b>4</b> Make a channel around the field to
		1 3	drain excess water and also start
	1	V	planning for next crop.
		Gandhi bug	4 Weed sanitation and eradication of
	5	1	alternate hosts from rice fields and
	)	60 J	surrounding areas can help prevent the
	5		multiplication of the Gandhi bug.
	6	the second of the second se	<b>4</b> Mechanical control measures such as
	1		smoking the field, hand-picking of adults
		22	and nymphs have also been advocated.
Rabi Maize	Germination		<b>4</b> Thinning must be done where more
	stage	\(	population was observed.
		LAIZAWE I	↓ Irrigation should be provide 3 days
			interval
		) )	4 Apply 2% urea solution for better
	1		growth.
	1		<b>4</b> Weeding and earthing up should be
	1 6		carried out.
	1)		4 Leaf and stem cutter insect will be
	0	SERCHN	
		w j	reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram		Zero tingo	population was observed.
-	stage		↓ Irrigation should be provide 3 days
and			interval
blackgram		LUNGLEI	Apply 2% urea solution for better
	3	the second s	growth.
	1		Weeding and earthing up should be
	1	n 2~~	carried out.
		31	Leaf and stem cutter insect will be
			more so apply any contact poison for
			reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	Irrigation should be provide 3 days integral
Soybean	stage	Contraction and Contraction	interval
cultivation in		LAWNGTLAN	Apply 2% urea solution for better
Jhum		SAIHA	
			<b>4</b> Weeding and earthing up should be
	~		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		1146	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Toria VEGETABLE CRO		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
Ginger and turmeric	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Forly colo	Nursorr store	Land	
Early cole	Nursery stage		✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
crop		preparation	
		1146	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Onion	Nursery stage	KOLASIB Poly house	<ul> <li>↓ Raised bed, nursery bed solarisation.</li> <li>↓ Bed should be 1m width and conventional length.</li> <li>↓ Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>↓ Line sowing of seeds (7-10cm)</li> <li>✓ Irrigation must be provide to nursery every alternative days.</li> <li>↓ Raised bed, nursery bed solarisation.</li> </ul>
	MAINIT		<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
		Z	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Sowing stage	SERCHH	<ul> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.</li> </ul>
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
		LAWNGTLAU	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
Brinjal	Nursery stage	J R I	📲 Nursery preparation for Brinjal.
		5120	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed		
			solarisation.		
	1 mm		Bed should be 1m width and		
	5	1	conventional length.		
		2 3	Application of FYM (1.5-2.0 kg/		
		KOLASIB	$m^2$		
	1	I NULHOID	Line sowing of seeds (7-10cm)		
	)	La N	<ul> <li>Irrigation must be provide to nursery</li> </ul>		
	(	3 4 1	every alternative days.		
Chilli	Nursery stage		Nursery preparation for tomato.		
	j i i j i i g	2 2 1	Raised bed, nursery bed		
			solarisation.		
	MAMIT		Bed should be 1m width and		
	2 march 10		conventional length.		
	1	ATZAWIL J	+ Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$		
		( ) ( )	Line sowing of seeds (7-10cm)		
	5	Sec. Sec. Sec.	<ul> <li>Irrigation must be provide to nursery</li> </ul>		
	1	1 55	every alternative days.		
Tomato	Nursery stage		Nursery preparation for tomato.		
			<b>4</b> Raised bed, nursery bed solarisation.		
		SERCHN	Hed should be 1m width and		
	1	W -	conventional length.		
	5		Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )		
			<ul> <li>Line sowing of seeds (7-10cm)</li> </ul>		
			↓ Irrigation must be provide to nursery		
	1		every alternative days.		
	5	Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g</li> </ul>		
			(Apron)/ kg seed		
	5	in the	Drenching 1% Bordeaux mixture or 2 g		
		31. 1.	captan or 3 copper oxychloride/ lt of water		
		Mar and M	at 10-15 DAS are effective.		
ANIMAL HUSBE					
Pig	All stages	1 -3 1	Animals must keep in dry place or least in allowing and dry badding		
			kept in alleviated area and dry bedding (straw) to be provided to young		
		LAWNGTLAN	animals.		
		J SAIHA	4 1 <sup>st</sup> injection at 6 months of age and		
			2nd injection at 12 months of age		
			followed by annual vaccination under		
		1 4 C	7   P a g e		



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

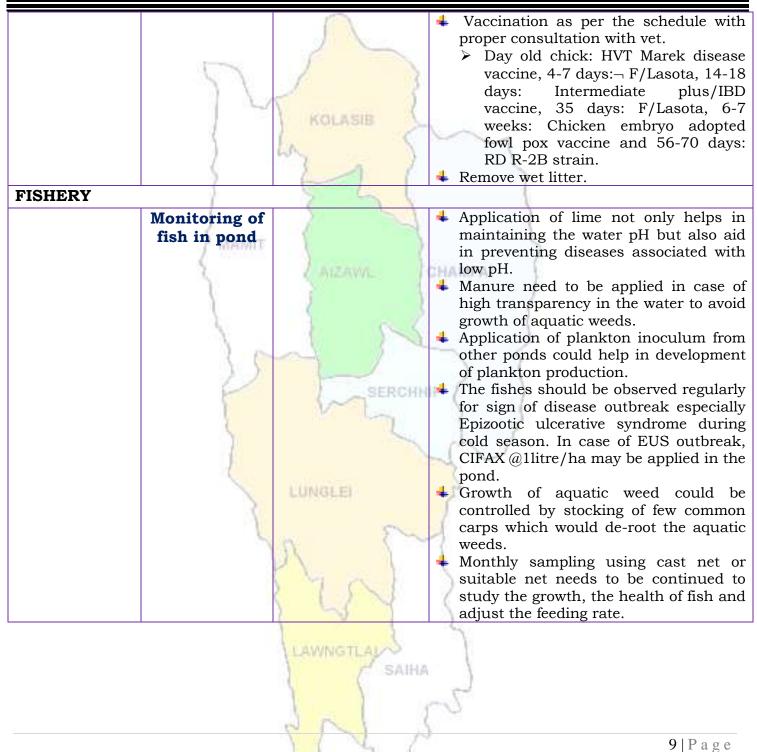


	2	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	AIZAWA. SERCHH 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 4	All age group	LAWINGTLAL	<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> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
		TV P	8   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	:	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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com



10 | 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**

Period: 08 November - 12 November, 2017

Bulletin	No:	- 748	/2017/	Bulletin/	English	
			1	1	0	

Date of issue: 07th November, 2017

Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	30	30	30	29	29		
Min Temp (°C)	17	17	17	16	16		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	90	95	95	98	98		
Min RH (%)	40	38	41	39	36		
Wind Speed (KmpH)	4	4	3	4	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
		Easterly- N-E, East	sterly- E, South				
		Westerly- <mark>S-W</mark> , We					
		1-31, 2017 (Percent					
<b>Aizawl-</b> 384.87mm	Champha	i- 268.78mm	Saiha- 216.20 n	nm Kolasib-	247.17mm		
(430.2mm)		(301.30mm)	(367.7r	nm)	(372.0mm)		
Lawngtlai-291.20mm	Lunglei	370.28mm	Mamit-197.57n	nm Serchhip	-247.35mm		
(453.1mm)	_	(371.4mm)	(376.0n	<b>1m)</b>	(301.8mm)		
Weather summary	of the past	Weather forec	ast valid from	<b>O8th Novembe</b>	er, 2017 To		
three day	s	12 <sup>th</sup> November, 2017.					
Maximum Tem. (°C):2	27-28°C	There are no chance of rainfall during the next 5 days. The					
Minimum Tem. (°C):1		maximum and minimum temperatures for the next 5 days may range for 29-30°C and 16-17°C. Maximum relative humidity is expected in the range of 90-98% and minimum may from 36-41%. Wind direction would be southeasterly					
Maximum RH (%):87-							
Minimum RH (%):68-							
Wind Direction: Sout							
Cloud cover: Mainly o		with the wind s			<b>v</b>		
Wind speed: 2 km/hr					lear sky will		
		prevail during th	le next live day	s.			
Rainfall: 00.0 mm							
		Weekl	y cumulative i	rainfall: 00.0 1	nm		
NDVI for Mizoram		North East Region 39 June 1917	<i>.</i>	wet mildly dr	y/mildly wet		
		<i>m</i>	conditions				
			and a second				
			****				
		April from vigour in good, since fixed of the party from the "Resent and Verglashed, whereas moderafty rights to noticed to of the region.					
		6 1	13		1   D o o o		
		- Ly	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			
KHASI	Fruiting stage	2 1	<b>4</b> According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	1 northold	So weekly irrigation is required for
LIME	)	LA N	upcoming week or use straw mulch
	(	3 0 1	reduces soil water loss.
BANANA	2		<b>4</b> Medium to young seedling should be
	1		support by bamboo stake.
	1	2	<b>4</b> To increase the fruit set, spray 2, 4 – D
STAR FRUIT	S anno		@ 20 ppm during flowering stage. For
	J' MAMIT	1	fruit retention, spray 2, 4 – D @ 20 ppm
	S	A ARZAWL	or NAA @ 30 ppm after fruit set (marble
PLUM AND		A second s	size).
PEACH		)	<b>4</b> Due to high humidity, high temperature
	200	N 2011	and less rainfall in hilly region of the
			district probability of leaf rust will be
	2 6		high. So apply Hexaconazole @ 1 ml/10
			lt of water.
		Fruit fly_RCH	↓ In large gardens apply carbaryl 0.2 per cent
	1	V~1_	or malathion 0.15 per cent suspension
	5		containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit initiation.
		Gummosis,	$\downarrow$ Due to low temperature and humidity
	1	citrus canker,	disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	5	and Dieback	protect healthy plant from soil borne
		und Diebuch	disease.
PLANTATION CR	ОР		1
COFFEE	Fruiting stage		4 According to forecast and past weather
	_	1 7 651	record, there is no probability of
		LIN	rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch
		Sugar and sugar and sugar	reduces soil water loss.
		LAWNGTLAN	Replanting of new seedling
		SAIHA	
			support by bamboo stake.
			Replace dead plant with young
		N A L	seedlings.
		VIV A	2   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)



		(	+ The state of the
			Fertilizer dose should be maintained.
			Fruiting stage
	1.000000000		<b>4</b> Foliar application of Mepiquat chloride
		1	@ 1000 PPM concentration or 0.75%
		1 3	SSP @ 1.5 g per 200 lt of water 15 days
	1	N	interval.
		KOLASIB	🜲 Spray lantana camera leaf paste
	1	E. S. S.	around 3 kg/16 lt water which will give
			effective control against drought
	S	2 0	condition.
	5		4 Due to high humidity, high
	1		temperature and less rainfall in hilly
			region of the district probability of rust
	AMAMIT		will be high. So apply Hexaconazole @ 1
	6 102550123		ml/10 lt of water.
Rubber	Vegetative	CATEANNE 10	According to forecast and past weather
	stage	2 A	record, there is no probability of
	stage	<	rainfall. So weekly irrigation is required
		S Call	for upcoming week or use straw mulch
	1.1.2	1 3 1	reduces soil water loss.
	3.0		Use grass or straw mulch to prevent
	12		from waterloss.
		SERCHNE	<b>4</b> Medium to young seedling should be
	1		support by bamboo stake.
	5		<b>↓</b> 10-12 kg of well rotten organic manure
	10		and 225 gm rock phosphate should be
	1		apply at time of planting to each pit as
		1 (10)/24 (5)	basal dose application.
Strawberry	Transplanting	And the second s	Plough the field properly.
j	stage		<b>4</b> Make bun in the field and cover with
	Stage		black mulch to reduce water
		36	transpiration and also weed control.
			<b>4</b> Make hole in the upper side of the bun
		1701	and mix FYM with soil properly.
		1 La Y	Apply water in every holes of the bun.
			<ul> <li>Transplant young suckers in the bun.</li> </ul>
CEREALS AND	PULSE CROPS		1 , , , , , , , , , , , , , , , , , , ,
Kharif Rice	Physiological	Leaning tray	<b>4</b> According to forecast and past weather
	maturity	SAIHA	record, probability of rain will be less
	stage		and temperature will be high. So
	slage		drainage channel shall be block the
L	1	6 1 9 9	
		1 4 C	3   P a g e

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		10	channel for maintain field moisture.
			<b>4</b> Harvest all mature panicle to reduce
			-
			bird damage. <b>4</b> Make a channel around the field to
	1 8	1 3	
	1 1	5	drain excess water and also start
	- mark		planning for next crop.
		Gandhi bug	4 Weed sanitation and eradication of
		Lo S	alternate hosts from rice fields and
	1	~ 7	surrounding areas can help prevent the
			multiplication of the Gandhi bug.
	2		Mechanical control measures such as ampling the field hand nicking of adults
		5 51	smoking the field, hand-picking of adults
Rabi Maize	Oemeinetien	1	and nymphs have also been advocated.
Radi Maize	Germination		<b>4</b> Thinning must be done where more
	stage	A CONTRACT OF A	population was observed.
	5	( ARZAWL )	↓ Irrigation should be provide 3 days
			interval
		( S	4 Apply 2% urea solution for better
	S	1 55	growth.
			4 Weeding and earthing up should be
	6		carried out.
	12		4 Leaf and stem cutter insect will be
	-	SERCHN	
			reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram	stage		population was observed.
and	1		↓ Irrigation should be provide 3 days
blackgram		LUNGLEI	interval
	5	PRINCE IN	Apply 2% urea solution for better
	1		growth.
	6		<b>4</b> Weeding and earthing up should be
		16	carried out.
		P No on Y	4 Leaf and stem cutter insect will be
		1701	more so apply any contact poison for
			reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	<b>4</b> Irrigation should be provide 3 days
Soybean	stage	Contractor and Contractor	interval
cultivation in		LAWNGTLAN	4 Apply 2% urea solution for better
Jhum		SAIHA	
			<b>4</b> Weeding and earthing up should be
	<b>.</b>		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		1 L L	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Toria		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
VEGETABLE CR			
Ginger and turmeric	Vegetative stage	AIZAWL SERCHH	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Forly colo	Nurson store	Land	
Early cole	Nursery stage		✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
сгор		preparation	
		1141	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed
			solarisation.
	a management of the		Bed should be 1m width and
		1	conventional length.
	1 6	2 3	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	1 had	N	Line sowing of seeds (7-10cm)
		KOLASIB	✓ Irrigation must be provide to nursery
	1	£	every alternative days.
Onion	Nursery stage	Poly house	<b>4</b> Raised bed, nursery bed solarisation.
			<b>4</b> Bed should be 1m width and
	1		conventional length.
		5	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	120		Line sowing of seeds (7-10cm)
	MAMIT		4 Irrigation must be provide to nursery
	C manner	1.000	every alternative days.
	5	Concarate.	+ Seed treatment with thiram 3g/kg seed or
		5 X	Trichoderma viride 4g+ metalaxyl 4g
	S	5.	(Apron)/ kg seed
	S	1 55	Drenching 1% Bordeaux mixture or 2 g
	1	1 1 1	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage	arnouu	↓ Variable, healthy, well mature and pure
		SERCHN	
			Optimum spacing for pole type 60 cm X
	1		30 cm.
	18	· · · · · · · · · · · · · · · · · · ·	Before sowing seed should be treated with Rhizobium vermicompost@10
	1		1 0
Consiours	Numerows store	Delahouse	t/ha. Raised bed, nursery bed solarisation.
Capsicum	Nursery stage	Poly house	Bed should be 1m width and
		0	conventional length.
	5	n (~~	Application of FYM (1.5-2.0 kg/ $m^2$ )
			Line sowing of seeds (7-10cm)
	(		Irrigation must be provide to nursery
		2 1 5 3	every alternative days.
			Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAL	(Apron)/ kg seed
		- SAIHA	Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Nursery stage	A R I I	Wursery preparation for Brinjal.
		K 1 1	6   P a g e
			Uliage



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed	
			solarisation.	
			Bed should be 1m width and	
	1	1	conventional length.	
		1 3	Application of FYM (1.5-2.0 kg/	
	had	V CONTRACTOR C	$m^2$ )	
		KOLASIB	Line sowing of seeds (7-10cm)	
	1	Lo S	<ul> <li>Inrigation must be provide to nursery</li> </ul>	
	1	~ ~ /	every alternative days.	
Chilli	Numa arra ata ga			
Chim	Nursery stage	2 5	<ul> <li>Nursery preparation for tomato.</li> </ul>	
	1	2 24	♣ Raised bed, nursery bed	
	S arrest		solarisation.	
	/ MAMIT	X 7	Bed should be 1m width and	
	S	A ATZAWIL	conventional length.	
			+ Application of FYM (1.5-2.0 kg/ $m^2$ )	
		1	Line sowing of seeds (7-10cm)	
	10	Star Carl	♣ Irrigation must be provide to nursery	
			every alternative days.	
Tomato	Nursery stage		Nursery preparation for tomato.	
	1)		Raised bed, nursery bed solarisation.	
	P	)SERCHN	+ Bed should be 1m width and	
	1	V	conventional length.	
			Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )	
			<ul> <li>Line sowing of seeds (7-10cm)</li> </ul>	
	1.0		+ Irrigation must be provide to nursery	
	14		every alternative days.	
	N	Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g	
			(Apron)/ kg seed	
			Drenching 1% Bordeaux mixture or 2 g	
		16	captan or 3 copper oxychloride/ lt of water	
		P. Variation V	at 10-15 DAS are effective.	
ANIMAL HUSBE	NDARY			
Pig	All stages	) La Y	+ Animals must keep in dry place or	
			kept in alleviated area and dry bedding	
		LAWNGTLAN	(straw) to be provided to young	
		- SAIHA	animals.	
		( SAIRA	4 1 <sup>st</sup> injection at 6 months of age and	
			2nd injection at 12 months of age	
			followed by annual vaccination under	
710				
		4	7   Page	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

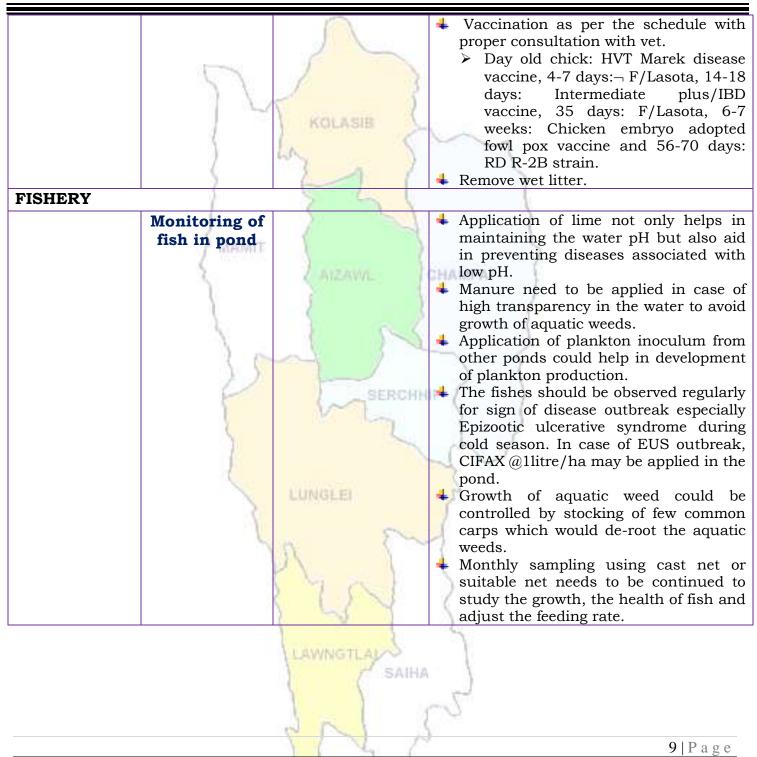


	2	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	LUNGLEI	<ul> <li>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</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>teamed short.</li> <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> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
		112 M	8   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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | 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

Period: 08 November - 12 November, 2017

Date of issue: 07th November, 2017

Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017	
Rainfall (mm)	0	2	2	0	0	
Max Temp (°C)	28	28	27	27	26	
Min Temp (°C)	16	16	15	15	14	
Cloud Coverage	Clear sky	Partially clear	Partially clear	Clear sky	Clear sky	
Max RH (%)	96	94	95	96	97	
Min RH (%)	40	40	42	40	40	
Wind Speed (KmpH)	4	4	3	4	4	
*Wind Direction	Е	E	Е	E	E	
Northe	rly- N, North-E	Casterly- N-E, Ea	sterly- E, South	-Easterly- S-E,		
	· · ·	vesterly- <mark>S-W</mark> , We				
STATUS OF MON	SOON- August 1	-31, 2017 (Percen	t of deviation fro			
<b>Aizawl-</b> 384.87mm	Champhai	- 268.78mm	<mark>Saiha-</mark> 216.20 n	nm Kolasib-	247.17mm	
(430.2mm)		301.30mm)	(367.7r		(372.0mm)	
Lawngtlai-291.20mm	<b>U</b>		Mamit-197.57n	n <mark>m Serc</mark> hhip	-247.35mm	
(453.1mm)		( <b>371.4mm</b> )	(376.0n		(301.8mm)	
Weather summary	of the past	Weather fored	ast valid from	08 <sup>th</sup> Novembe	er, 2017 To	
three day	s	12 <sup>th</sup> November, 2017.				
Maximum Tem. (°C):2	23-25°C	There are chances of light rainfall during the next 2 days.				
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5				
Maximum RH (%):85-		days may range for 26-28°C and 14-16°C. Maximum relative humidity is expected in the range of 94-97% and minimum may from 40-42%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.				
Minimum RH (%):68-						
Wind Direction: Sout						
Cloud cover: Mainly o						
Wind speed: 2 km/hr						
	1	vill prevail duri	ng the next live	days.		
Rainfall: 00.0 mm						
		Weekl	y cumulative	rainfall: 04.0 1	mm	
NDVI for Mizoram		North East Report 19-June 194		wet mildly dr	y/mildly wet	
		~~ ···	conditions			
			arood Lanares			
		-B				
		Apriculture report is good uses hod of the parts from their of frames and Wegitadeat whereas motion is report to notice to of the region.				
		6121	19		1   D o o o	
		-	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			
KHASI	Fruiting stage	8	4 According to forecast and past weather
MANDARIN	1 7	KOLASIB	record, there is no probability of rainfall.
AND ACID	1	C	So weekly irrigation is required for
LIME	)	LA N	upcoming week or use straw mulch
	(	1 1 1	reduces soil water loss.
BANANA	1		<b>4</b> Medium to young seedling should be
	6	2 21	support by bamboo stake.
			<b>↓</b> To increase the fruit set, spray 2, 4 – D
STAR FRUIT	AMAMIT		@ 20 ppm during flowering stage. For
	1		fruit retention, spray 2, 4 – D @ 20 ppm
PLUM AND	3.0	A ATZAWAL I	or NAA @ 30 ppm after fruit set (marble
PLOM AND PEACH			size).
PEACH		(	4 Due to high humidity, high temperature
	10	S CL	and less rainfall in hilly region of the
			district probability of leaf rust will be
	1.0		high. So apply Hexaconazole @ 1 ml/10
	11	<b>D</b> 11 <b>D</b>	It of water.
	1	Fruit fly_RCH	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
	( )	Nº Can	containing sugar or jeggery at 10 g/l at
	S		fortnightly intervals at flowering and fruit
	100		initiation.
	1	Gummosis,	+ Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	3	citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne disease.
PLANTATION CR	OP	1.54	
COFFEE	Fruiting stage	JV I	<b>4</b> According to forecast and past weather
	I running stage	NY SEL	record, there is no probability of
			rainfall. So weekly irrigation is required
		1 -3 1	for upcoming week or use straw mulch
			reduces soil water loss.
		LAWNGTLAL	Replanting of new seedling
		- SAIHA	
			support by bamboo stake.
			+ Replace dead plant with young
		281	seedlings.
			0
			2   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)



	MAMIT	<ul> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li>Foliar application of Mepiquat chloride</li> <li>@ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.</li> </ul>
Rubber	Vegetative stage	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Use grass or straw mulch to prevent from waterloss.</li> <li>Medium to young seedling should be support by bamboo stake.</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> </ul>
Strawberry	Transplanting stage	<ul> <li>Plough the field properly.</li> <li>Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.</li> <li>Make hole in the upper side of the bun and mix FYM with soil properly.</li> <li>Apply water in every holes of the bun.</li> <li>Transplant young suckers in the bun.</li> </ul>
<b>CEREALS AND</b>	PULSE CROPS	
Kharif Rice	Physiological maturity stage	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		3   P a g e

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		10	channel for maintain field moisture.
			<b>4</b> Harvest all mature panicle to reduce
			-
			bird damage. <b>4</b> Make a channel around the field to
	1 1	1 3	
	1 1	5	drain excess water and also start
	- mark		planning for next crop.
		Gandhi bug	<b>4</b> Weed sanitation and eradication of
		Lo S	alternate hosts from rice fields and
	1	~ 7	surrounding areas can help prevent the
	)		multiplication of the Gandhi bug.
	2		Mechanical control measures such as amplying the field hand righting of adults
		5 51	smoking the field, hand-picking of adults
Rabi Maize	Oemminetien	1	and nymphs have also been advocated.
Radi Maize	Germination		Thinning must be done where more manufaction was abaarroad
	stage	A CONTRACT OF A	population was observed.
	5	( ARZAWL )	Irrigation should be provide 3 days
			interval
		( S	♣ Apply 2% urea solution for better
	S	1 55	growth.
	1		• Weeding and earthing up should be
	6		carried out.
	12		Leaf and stem cutter insect will be
	-	SERCHN	
	<u> </u>		reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram	stage		population was observed.
and	1		+ Irrigation should be provide 3 days
blackgram		LUNGLEI	interval
	5	PRINCE IN	Apply 2% urea solution for better
	1		growth.
	6		<b>Weeding and earthing up should be</b>
		16	carried out.
		P No on Y	4 Leaf and stem cutter insect will be
		1701	more so apply any contact poison for
			reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	Irrigation should be provide 3 days
Soybean	stage	Contractor and Contractor	interval
cultivation in		LAWNGTLAN	♣ Apply 2% urea solution for better
Jhum		SAIHA	
			<b>4</b> Weeding and earthing up should be
	<b>.</b>		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		1 L L	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Toria VEGETABLE CRO		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
Ginger and turmeric	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Dealer - 1-	Numero	Tand	
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
crop		preparation	
		1 L C	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed
			solarisation.
			Hed should be 1m width and
			conventional length.
	1 6	5	Application of FYM (1.5-2.0 kg/ $m^2$ )
		()	Line sowing of seeds (7-10cm)
		KOLASIE	
	1	1	<ul> <li>Irrigation must be provide to nursery</li> </ul>
			every alternative days.
Onion	Nursery stage	Poly house	<b>4</b> Raised bed, nursery bed solarisation.
	2		<b>4</b> Bed should be 1m width and
	1	2 5	conventional length.
		2. 54	4 Application of FYM (1.5-2.0 kg/ $m^2$ )
	20		Line sowing of seeds (7-10cm)
	/ MAMIT		<b>4</b> Irrigation must be provide to nursery
	6	A surrouter 1	every alternative days.
		C MILAWIL J	<b>4</b> Seed treatment with thiram 3g/kg seed or
		1	Trichoderma viride 4g+ metalaxyl 4g
	<u> </u>	5	(Apron)/ kg seed
		1 55	↓ Drenching 1% Bordeaux mixture or 2 g
	1		captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage		<b>4</b> Variable, healthy, well mature and pure
		SERCHN	
	1	V-L-	♣ Optimum spacing for pole type 60 cm X
	5		30 cm.
			<b>4</b> Before sowing seed should be treated
			with Rhizobium vermicompost@10
	and the second	WILL DESCRIPTION	t/ha.
Capsicum	Nursery stage	Poly house	4 Raised bed, nursery bed solarisation.
-	1		<b>4</b> Bed should be 1m width and
	6		conventional length.
		11	↓ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Line sowing of seeds (7-10cm)
		1 7 K	4 Irrigation must be provide to nursery
			every alternative days.
			Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed
		- SAIHA	↓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Nursery stage	1211	🛛 🖶 Nursery preparation for Brinjal.
			6 D a c a
		4 6	<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed
			solarisation.
	1 mm	5	Bed should be 1m width and
	1	1	conventional length.
		- 5	Application of FYM (1.5-2.0 kg/
	1 mar	KOLASIB	$m^2$ )
	1	1 NULHOID	Line sowing of seeds (7-10cm)
	)	La N	<ul> <li>Irrigation must be provide to nursery</li> </ul>
	(	3 0 1	every alternative days.
Chilli	Nursery stage	trace	<ul> <li>Nursery preparation for tomato.</li> </ul>
••••••	marsery stage	2 3 1	<ul> <li>Raised bed, nursery bed</li> </ul>
			solarisation.
	AMAMIT		<ul> <li>Bed should be 1m width and</li> </ul>
	1	5	
	30	ATZAWIL /	conventional length. $(1.5.0.0 \log (m^2))$
	18		Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	- R.	6 5	Line sowing of seeds (7-10cm)
		1 6 6	➡ Irrigation must be provide to nursery
Marra e tra	Numero and a sta		every alternative days.
Tomato	Nursery stage		<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> </ul>
	12	or nouse	+ Bed should be 1m width and
		SERCHH	conventional length.
	1 ( )	K La	Application of FYM (1.5-2.0 kg/ $m^2$ )
	1	1	Line sowing of seeds (7-10cm)
	18		↓ Irrigation must be provide to nursery
			every alternative days.
		Damping off	Seed treatment with thiram 3g/kg seed or
	3		Trichoderma viride 4g+ metalaxyl 4g
		5	(Apron)/ kg seed
		N ( ~	Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
8			kept in alleviated area and dry bedding
			(straw) to be provided to young
		LAWNGTLAN	animals.
		SAIHA	4 1 <sup>st</sup> injection at 6 months of age and
		1 1	2nd injection at 12 months of age
			followed by annual vaccination under
		6 N 3	
		14	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

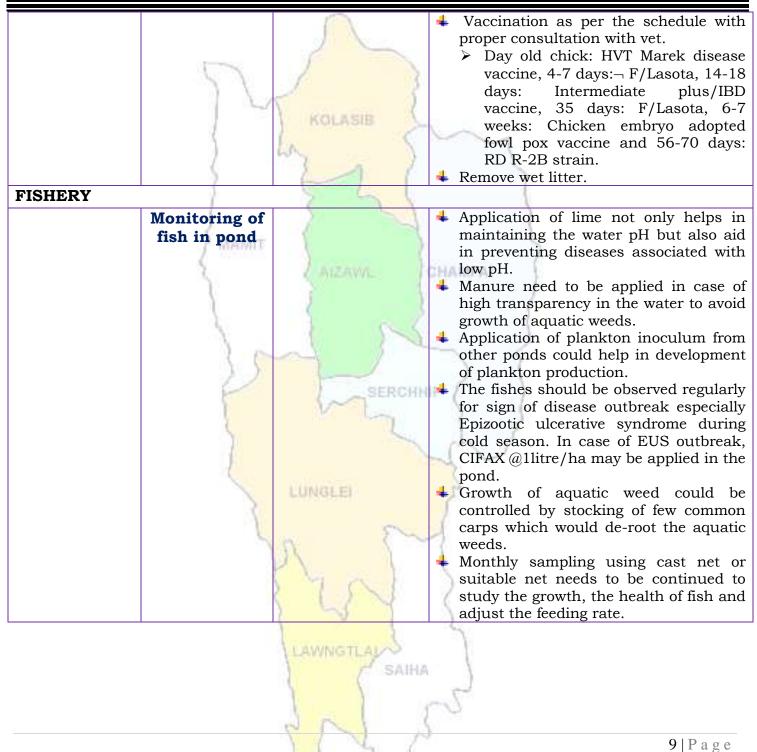


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. 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>
		VIZ M	8   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	:	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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com



10 | 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:** Lunglei

Period: 08 November - 12 November, 2017

<b>Bulletin No</b>	: - 748/2017/	Bulletin	/English
	1		(C)

Date of issue: 07th November, 2017

Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	29	29	29	28	28	
Min Temp (°C)	17	16	16	16	15	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	88	99	95	94	96	
Min RH (%)	34	37	39	33	35	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	E	E	E	E	
Northe	rly- N, North-l	Easterly- N-E, Ea	sterly- E, South	-Easterly- S-E,		
		Vesterly- <mark>S-W</mark> , We				
STATUS OF MON	SOON- August 1	-31, 2017 (Percen	t of deviation fro	om normal in par	enthesis)	
<b>Aizawl-</b> 384.87mm	Champhai	- 268.78mm	<mark>Saiha-</mark> 216.20 n	n <mark>m Kolasib</mark> -	247.17mm	
(430.2mm)		(301.30mm)	(367.7r		(372.0mm)	
Lawngtlai-291.20mm			Mamit-197.57n	<mark>1m Serchhi</mark> p	-247.35mm	
(453.1mm)		(371.4mm)	(376.0n	1 <b>m)</b>	(301.8mm)	
Weather summary	of the past	Weather fored			er, 2017 To	
three day	s	12 <sup>th</sup> November, 2017.				
Maximum Tem. (°C):1	l <b>7-19⁰C</b> ′	There are no chances of light rainfall during the next 5				
Minimum Tem. (°C):1	2-14ºC	days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 13-15°C. Maximum relative humidity is expected in the range of 88-				
Maximum RH (%):84-						
Minimum RH (%):65-	<b>78%</b>					
Wind Direction: Sout	heasterly	99% and mini	2	<b>-</b>	0	
Cloud cover: Mainly o	clear <sub>.</sub>	would be easter	•			
Wind speed: 2 km/h		Partially clear w	5		<b>_</b>	
		a dally cical w	in prevan durin	g the next live (	uays.	
Rainfall: 00.0 mm		Weald		rainfall: 00.0 1		
		weeki	y cumulative i	<i>anjan:</i> 00.01		
			36 1 . 1		/ 111	
NDVI for Mizoram		North East Region (2) June 201		wet mildly dr	y/mildly wet	
		~B ~~:	conditions			
			}			
		Agriculture region in faces and most attractive transference	lagest -			
		Travel and Veglades' whereas molecular right is noticed in of the regime				
		VI	12		1   Page	
			1		111450	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Fruiting stage	2 5	<b>4</b> According to forecast and past weather	
MANDARIN		KOLASIE	record, there is no probability of rainfall.	
AND ACID	1	Contraction 2	So weekly irrigation is required for	
LIME	)	LA.	upcoming week or use straw mulch	
		3 4 1	reduces soil water loss.	
BANANA	1		<b>4</b> Medium to young seedling should be	
	1	2 2 1	support by bamboo stake.	
			♣ To increase the fruit set, spray 2, 4 – D	
STAR FRUIT	AMAMIT		@ 20 ppm during flowering stage. For	
	1 meaning	S	fruit retention, spray 2, 4 – D @ 20 ppm	
	3.0	ATZAWIL I	or NAA @ 30 ppm after fruit set (marble	
PLUM AND			size).	
PEACH	1	1	4 Due to high humidity, high temperature	
	100	3 6 6	and less rainfall in hilly region of the	
	1		district probability of leaf rust will be	
	1.0		high. So apply Hexaconazole @ 1 ml/10	
	11		lt of water.	
	1	Fruit flyERCH	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension	
	( )	V Lan	containing sugar or jeggery at 10 g/l at	
	5		fortnightly intervals at flowering and fruit	
	al.		initiation.	
	Sel 1	Gummosis,	+ Due to low temperature and humidity	
		citrus canker,	disease appearance will more. Use Bordeaux	
	2	citrus greening	past in tree trunk, twigs and branches	
		and Dieback	protect healthy plant from soil borne disease.	
PLANTATION CR	DOP	7.04	<u> </u>	
COFFEE	Fruiting stage		<b>4</b> According to forecast and past weather	
COFFEE	Fruiting stage		record, there is no probability of	
		6 1 5 5 3	rainfall. So weekly irrigation is required	
		1 55 7	for upcoming week or use straw mulch	
			reduces soil water loss.	
		LAWNGTLAL	Replanting of new seedling	
		- SAIHA		
			support by bamboo stake.	
			<b>4</b> Replace dead plant with young	
		101	seedlings.	
L	1			
2   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)



	MAMIT	KOLASIB	<ul> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li>Foliar application of Mepiquat chloride <ul> <li>(a) 1000 PPM concentration or 0.75%</li> <li>SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul> </li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1 ml/10 lt of water.</li> </ul>
Rubber	Vegetative stage	LUNCH FI	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Use grass or straw mulch to prevent from waterloss.</li> <li>Medium to young seedling should be support by bamboo stake.</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> </ul>
Strawberry	Transplanting stage	M	<ul> <li>Plough the field properly.</li> <li>Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.</li> <li>Make hole in the upper side of the bun and mix FYM with soil properly.</li> <li>Apply water in every holes of the bun.</li> <li>Transplant young suckers in the bun.</li> </ul>
CEREALS AND	PULSE CROPS		
Kharif Rice	Physiological maturity stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		TV P	<b>3</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** 



			channel for maintain field moisture.
			4 Harvest all mature panicle to reduce
			-
	1000 C		bird damage.
	6 1	6 2	<b>4</b> Make a channel around the field to
		1 3	drain excess water and also start
	1	V	planning for next crop.
		Gandhi bug	4 Weed sanitation and eradication of
	5	6.	alternate hosts from rice fields and
	)	60 J	surrounding areas can help prevent the
	5		multiplication of the Gandhi bug.
	6	the second of the second se	4 Mechanical control measures such as
	1		smoking the field, hand-picking of adults
			and nymphs have also been advocated.
Rabi Maize	Germination		<b>4</b> Thinning must be done where more
	stage	A	population was observed.
		LAIZAWE I	↓ Irrigation should be provide 3 days
			interval
		) )	4 Apply 2% urea solution for better
	1		growth.
	1		<b>4</b> Weeding and earthing up should be
	1 6		carried out.
	1)		4 Leaf and stem cutter insect will be
	0	SERCHN	
		w7	reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram		Zero tingo	population was observed.
	stage		↓ Irrigation should be provide 3 days
and			interval
blackgram		LUNGLEI	Apply 2% urea solution for better
	3	and the second sec	growth.
	1	1770-	Weeding and earthing up should be
	1	n 2~~	carried out.
		1	Leaf and stem cutter insect will be
			more so apply any contact poison for
		and the set	reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	Irrigation should be provide 3 days
Soybean	stage	Contractor and Contractor	interval
cultivation in		LAWNGTLAN	Apply 2% urea solution for better
Jhum		SAIHA	
			<b>4</b> Weeding and earthing up should be
	~ .		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		1 4 7	4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Toria		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
VEGETABLE CR			-
Ginger and turmeric	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting af tablement.</li> </ul>
	Numo or state	Iand	of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
crop		preparation	
		1 CL	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			4 Raised bed, nursery bed
			solarisation.
	Company of the	6	Bed should be 1m width and
		1	conventional length.
	1 6	2 2	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	had a	S	↓ Line sowing of seeds (7-10cm)
		KOLASIB	✓ Irrigation must be provide to nursery
	4	(. S	every alternative days.
Onion	Nursery stage	Poly house	<b>4</b> Raised bed, nursery bed solarisation.
			4 Bed should be 1m width and
	3	State La	conventional length.
		S. 2.1	+ Application of FYM (1.5-2.0 kg/ $m^2$ )
			Line sowing of seeds (7-10cm)
	MAMIT		↓ Irrigation must be provide to nursery
	2 marsh 2	A second A	every alternative days.
		C MEANNE /	♣ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		<	(Apron)/ kg seed
		1 56	븆 Drenching 1% Bordeaux mixture or 2 g
	1 1 2		captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage		Variable, healthy, well mature and pure
		SERCHN	
	8		Optimum spacing for pole type 60 cm X
	5		30 cm.
	1		<b>4</b> Before sowing seed should be treated
			with Rhizobium vermicompost@10
	1	NAMES AND A DESCRIPTION OF	t/ha.
Capsicum	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
	14		<b>4</b> Bed should be 1m width and
			conventional length.
		11	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
		PN	Line sowing of seeds (7-10cm)
		0701	+ Irrigation must be provide to nursery
			every alternative days.
			Seed treatment with thiram 3g/kg seed or
		Contractor and Contractor	Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed
		SAIHA	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Nursery stage		<ul> <li>Nursery preparation for Brinjal.</li> </ul>
<b></b>		6 1 1	
		1 4	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



			Raised bed, nursery bed
			solarisation.
		6	Bed should be 1m width and
	17	1	conventional length.
		1 3	Application of FYM (1.5-2.0 kg/
	La!	V	$m^2$ )
		KOLASIE	,
	1	En S	Line sowing of seeds (7-10cm)
	1	~ 1	♣ Irrigation must be provide to nursery
			every alternative days.
Chilli	Nursery stage		Nursery preparation for tomato.
		5. 54	Raised bed, nursery bed
	120		solarisation.
	/ MAMIT		Bed should be 1m width and
	5	AZAWAL I	conventional length.
	S	Concentrate 1	↓ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	8	5 5	Line sowing of seeds (7-10cm)
		Sec. 2	Irrigation must be provide to nursery
	1	1 55	every alternative days.
Tomato	Nursery stage		A Nursery preparation for tomato.
- Office	marbery stage		Raised bed, nursery bed solarisation.
	0	SERCHN	<b>4</b> Bed should be 1m width and
		ward and a second secon	conventional length.
			♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	3		Line sowing of seeds (7-10cm)
	118		4 Irrigation must be provide to nursery
	10 C	A CONTRACTOR OF	every alternative days.
		Damping off	Seed treatment with thiram 3g/kg seed or
	3		Trichoderma viride 4g+ metalaxyl 4g
	1	5	(Apron)/ kg seed
		$n \sim$	Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
ANIMAL HUGDE			at 10-15 DAS are effective.
ANIMAL HUSBE			Animala must keep in dry place or
Pig	All stages	2 22 1	4 Animals must keep in dry place or
			kept in alleviated area and dry bedding (straw) to be provided to young
		LAWNGTLAU	animals.
		- SAIHA	4 1 <sup>st</sup> injection at 6 months of age and
			2nd injection at 12 months of age
			followed by annual vaccination under
		NA C	ionowed by annual vacentation under
		VIV M	7   P a g e
		-	/   1 a g C

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

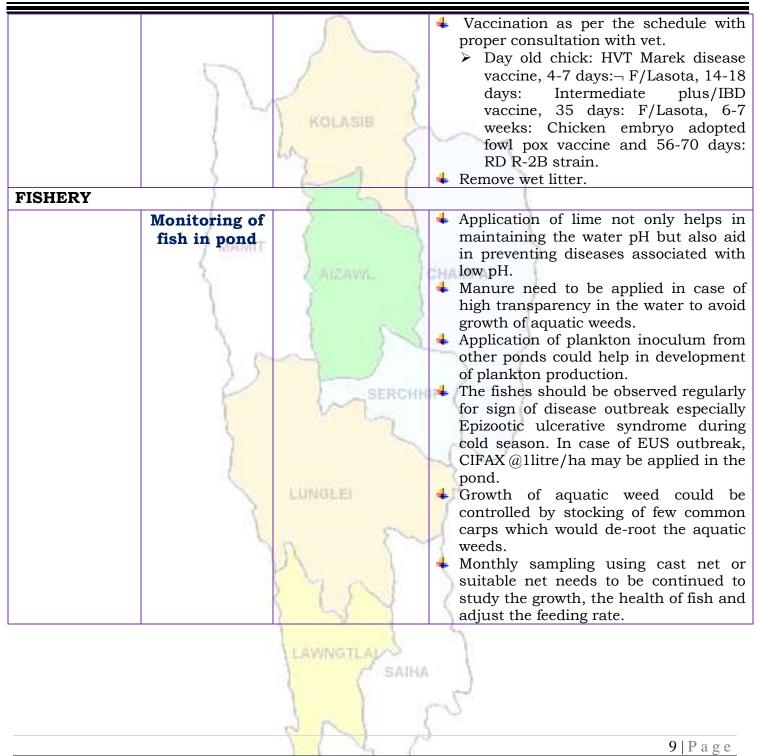


	P	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	AIZAWA SERCHH 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 tagened about</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>teamed short.</li> <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> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
		11 V L	8   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	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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | 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** 

Period: 08 November - 12 November, 2017

Bulletin	<b>No:</b> -	748	/2017/	Bulletin,	English	1
			1		Ø	

Date of issue: 07th November, 2017

Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	29	29	29	28	28	
Min Temp (°C)	17	17	17	16	16	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	96	100	97	95	100	
Min RH (%)	38	39	40	37	35	
Wind Speed (KmpH)	4	3	3	4	3	
*Wind Direction	E	E	E	E	E	
Northe	rly- <mark>N</mark> , North-I	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,		
Souther	ly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai Lunglei-	(301.30mm) 370.28mm (371.4mm)	Saiha- 216.20 n (367.7r Mamit-197.57n (376.0n	nm Kolasib- nm) nm Serchhip nm)	247.17mm (372.0mm) 0-247.35mm (301.8mm)	
Weather summary of three days	s	Weather forec	12 <sup>th</sup> Novemb	er, 2017.		
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):84- Minimum RH (%):71-3 Wind Direction: South Cloud cover: Mainly of Wind speed: 2 km/hr Rainfall: 00.0 mm	2-24°C 7 92% 80% heasterly clear	<b>7-29°C</b> <b>2-24°C</b> <b>2-24°C</b> <b>30%</b> <b>4</b> <b>b</b> <b>b</b> <b>b</b> <b>b</b> <b>c</b> <b>b</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b>				
NDVI for Mizoram		Forth Lard Region (2) - 20 Ann 2017	conditions	wet mildly dr	y/mildly wet	
		512	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			
KHASI	Fruiting stage	2 5	<b>4</b> According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	1 marchine	So weekly irrigation is required for
LIME	)	LA.	upcoming week or use straw mulch
	(	3 0 1	reduces soil water loss.
BANANA	2		4 Medium to young seedling should be
	1	2 2	support by bamboo stake.
		21	<b>↓</b> To increase the fruit set, spray 2, 4 – D
STAR FRUIT	\$ MAMIT		@ 20 ppm during flowering stage. For
	The south the	5	fruit retention, spray 2, 4 – D @ 20 ppm
	3.0	L AIZAWAL I	or NAA @ 30 ppm after fruit set (marble
PLUM AND			size).
PEACH	1	2	4 Due to high humidity, high temperature
	100	3 and	and less rainfall in hilly region of the
	1		district probability of leaf rust will be
			high. So apply Hexaconazole @ 1 ml/10
	1		lt of water.
	8	Fruit flyERCH	<b>4</b> In large gardens apply carbaryl 0.2 per cent
	3	V	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	5		fortnightly intervals at flowering and fruit
			initiation.
	d'	Gummosis,	↓ Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	5	citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne
DI ANTATION OF		3.	disease.
PLANTATION CR			According to forecast and mast - with a
COFFEE	Fruiting stage	Chi se l	<b>4</b> According to forecast and past weather
		2 1 5 1	record, there is no probability of
		1 55 7	rainfall. So weekly irrigation is required
		1 4 1	for upcoming week or use straw mulch
		LAWNGTLAL	reduces soil water loss. <b>Replanting of new seedling</b>
		- SAIHA	
		( SAINA	support by bamboo stake.
			Replace dead plant with young
		1 = 1	seedlings.
		P P P	
		1 L	2   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)



	7	I	<ul> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li>Foliar application of Mepiquat chloride         <ul> <li>@ 1000 PPM concentration or 0.75%</li> <li>SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul> </li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought</li> </ul>
	MAMIT	ES (	<ul> <li>condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.</li> </ul>
Rubber	Vegetative stage	SERCIMIE	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Use grass or straw mulch to prevent from waterloss.</li> <li>Medium to young seedling should be support by bamboo stake.</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> </ul>
Strawberry CEREALS AND 1	Transplanting stage	M	<ul> <li>Plough the field properly.</li> <li>Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.</li> <li>Make hole in the upper side of the bun and mix FYM with soil properly.</li> <li>Apply water in every holes of the bun.</li> <li>Transplant young suckers in the bun.</li> </ul>
		Lacol I in the second	+ A 11 C 1
Kharif Rice	Physiological maturity stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		6 1 1	<b>3</b>   P a G A
		4 6	3   P a g e

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		10	channel for maintain field moisture.
			<b>4</b> Harvest all mature panicle to reduce
			bird damage.
			4 Make a channel around the field to
	1 1	5 5	drain excess water and also start
		5	
		00000	planning for next crop.
	1	Gandhi bug	alternate hosts from rice fields and
	)	La l	surrounding areas can help prevent the
	(	3 0 1	multiplication of the Gandhi bug.
	2		<ul> <li>♣ Mechanical control measures such as</li> </ul>
	1	2 5	smoking the field, hand-picking of adults
	1	2 24	and nymphs have also been advocated.
Rabi Maize	Germination	1	<b>4</b> Thinning must be done where more
	stage	X 7	population was observed.
	Jeuge	LARZAWL I	4 Irrigation should be provide 3 days
		a sheart a s	interval
		) )	<b>4</b> Apply 2% urea solution for better
	200	1 1	growth.
	1		<b>4</b> Weeding and earthing up should be
	2 6	2 1 T	carried out.
	)		<b>4</b> Leaf and stem cutter insect will be
		SERCHN	more so apply any contact poison for
	1	V	reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram	stage		population was observed.
and	0		↓ Irrigation should be provide 3 days
blackgram	all and a second	Mill (1997)	interval
		LUNGLEI	↓ Apply 2% urea solution for better
	5		growth.
		- 3	4 Weeding and earthing up should be
		11 11	carried out.
			4 Leaf and stem cutter insect will be
		1 7 Cat	more so apply any contact poison for
			reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	<b>4</b> Irrigation should be provide 3 days
Soybean	stage	Lange margaretter and	interval
cultivation in	-	LAWNGTLAU	4 Apply 2% urea solution for better
Jhum		/ SAIHA	
			<b>4</b> Weeding and earthing up should be
	<b>.</b>		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		146	4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
VEGETABLE CR			
Ginger and turmeric	Vegetative stage	AIZAWL SERCHH	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Douler colo	Nue or store	Incl	of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
crop		preparation	
		1140	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			4 Raised bed, nursery bed
			solarisation.
	Company of the	6	Bed should be 1m width and
		1	conventional length.
	1 6	2 2	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	had be	S	↓ Line sowing of seeds (7-10cm)
		KOLASIB	✓ Irrigation must be provide to nursery
	1	£	every alternative days.
Onion	Nursery stage	Poly house	<b>4</b> Raised bed, nursery bed solarisation.
			4 Bed should be 1m width and
	5	Stall	conventional length.
		5. 5.	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	120		Line sowing of seeds (7-10cm)
	MAMIT		+ Irrigation must be provide to nursery
	C manner	1	every alternative days.
	5	Coneanne:	<b>4</b> Seed treatment with thiram 3g/kg seed or
		5 V	Trichoderma viride 4g+ metalaxyl 4g
	S	5.	(Apron)/ kg seed
	S	1 65	+ Drenching 1% Bordeaux mixture or 2 g
	1		captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage	CT DOUL	↓ Variable, healthy, well mature and pure
		SERCHH	
			Optimum spacing for pole type 60 cm X
	1		30 cm.
	1		+ Before sowing seed should be treated with Rhizobium vermicompost@10
	1		1 🔾
	Numero and a sta	The later is a second	t/ha. Raised bed, nursery bed solarisation.
Capsicum	Nursery stage	Poly house	Bed should be 1m width and
		0	conventional length.
	5	m (~~	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Line sowing of seeds (7-10cm)
	(		<ul> <li>Irrigation must be provide to nursery</li> </ul>
		2 1 5 3	every alternative days.
			Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAL	(Apron)/ kg seed
		- SAIHA	↓ Drenching 1% Bordeaux mixture or 2 g
		( (	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Nursery stage	1211	4 Nursery preparation for Brinjal.
			6 D o o o
			6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			-
			Raised bed, nursery bed
			solarisation.
	1000 C	6	Bed should be 1m width and
	1	1	conventional length.
		1	♣ Application of FYM (1.5-2.0 kg/
	had	V CONTRACTOR OF	$m^2$ )
		KOLASIB	Line sowing of seeds (7-10cm)
	1	Lo S	<ul> <li>Inic sowing of secus (7-rocin)</li> <li>Irrigation must be provide to nursery</li> </ul>
	1	~ ~ /	every alternative days.
Chilli	Numeror store		
Chilli	Nursery stage		<ul> <li>Nursery preparation for tomato.</li> </ul>
		2	Raised bed, nursery bed
	R. marine		solarisation.
	/ MAMIT	1 1	Bed should be 1m width and
	S	AIZAWAL I	conventional length.
		anne trans	4 Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
	N N	) ( )	Line sowing of seeds (7-10cm)
	- A.		<b>4</b> Irrigation must be provide to nursery
			every alternative days.
Tomato	Nursery stage		4 Nursery preparation for tomato.
			<b>4</b> Raised bed, nursery bed solarisation.
		SERCHN	Hed should be 1m width and
	1	W	conventional length.
	1		Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Line sowing of seeds (7-10cm)
	1.05		+ Irrigation must be provide to nursery
	II.	National States	every alternative days.
		Damping off	Seed treatment with thiram 3g/kg seed or
	5		Trichoderma viride 4g+ metalaxyl 4g
		5	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g
		$\mathcal{A}$	captan or 3 copper oxychloride/ It of water
		2	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY		
Pig	All stages	) Le Y	4 Animals must keep in dry place or
•			kept in alleviated area and dry bedding
		Contractor and the second	(straw) to be provided to young
		LAWNGTLAN	animals.
		SAIHA	4 1 <sup>st</sup> injection at 6 months of age and
		1 1	2nd injection at 12 months of age
		the second second	followed by annual vaccination under
		P N N	
		146	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

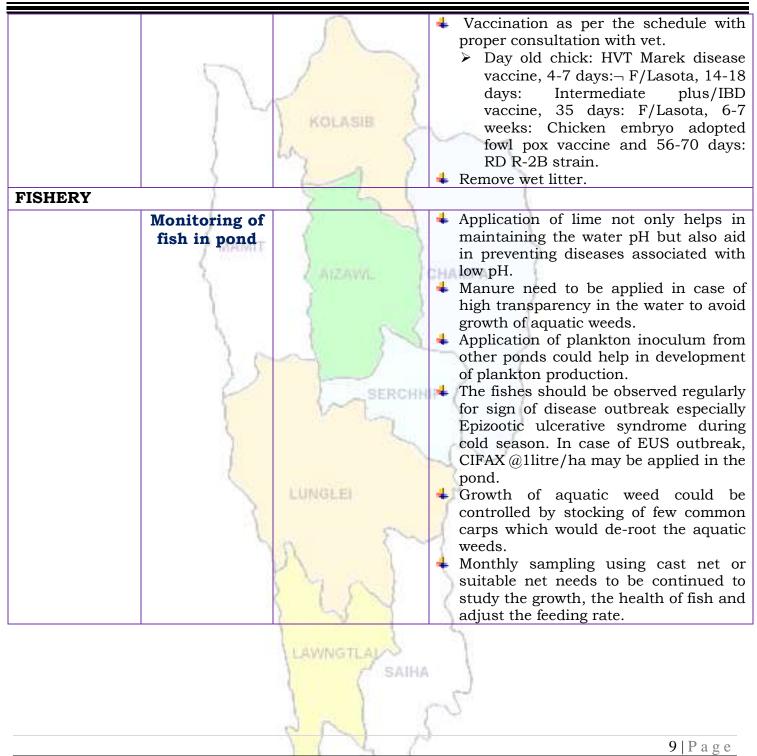


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	AIZAWAL	<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 tagmed abort</li> </ul>
Poultry	All age group	LAWNGTLAY	<ul> <li>teamed short.</li> <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> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
		RIZ A	8   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	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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | 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: Saiha** 

Period: 08 November - 12 November, 2017

Bulletin	<b>No:</b> -	748	/2017/	Bulletin	/English	-
			1	1	6	

Date of issue: 07th November, 2017

Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017		
Rainfall (mm)	0	3	0	0	0		
Max Temp (°C)	29	29	29	28	28		
Min Temp (°C)	17	17	17	16	16		
Cloud Coverage	Clear sky	Partially clear	Clear sky	Clear sky	Clear sky		
Max RH (%)	95	98	94	94	90		
Min RH (%)	37	41	39	36	37		
Wind Speed (KmpH)	4	4	4	4	4		
*Wind Direction	Е	E	E	E	E		
Northe	rly- N, North-H	Casterly- N-E, Ea	asterly- E, South	-Easterly- <mark>S-E</mark> ,			
			esterly-W, North				
STATUS OF MONS							
Aizawl- 384.87mm	-	- 268.78mm	Saiha- 216.20 r		247.17mm		
(430.2mm)		301.30mm)	(367.71		(372.0mm)		
Lawngtlai-291.20mm		370.28mm	Mamit-197.57n		p-247.35mm		
(453.1mm)		(371.4mm)	(376.0n	•	(301.8mm)		
Weather summary		Weather forecast valid from 08 <sup>th</sup> November, 2017 To					
three day		12 <sup>th</sup> November, 2017.					
Maximum Tem. (°C):1		There is a chance of rainfall during the next 1 day. The					
Minimum Tem. (°C):1		maximum and minimum temperatures for the next 5 days may range for 28-29°C and 16-17°C. Maximum relative humidity is expected in the range of 90-98% and minimum may from 36-41%. Wind direction would be easterly with					
Maximum RH (%):84-							
Minimum RH (%):71-8							
Wind Direction: Sout	heasterly						
Cloud cover: Mainly o	clear						
Wind speed: 2 km/h		the wind speed of 4 km per hour. Clear sky will prevail during the next five days.					
D : C 11 00 0		iuning the next	iive days.				
Rainfall: 00.0 mm		Week	ly cumulative	$rainfall \cdot 00.0$	mm		
		week	ly cumulutte	rungun 00.01			
NDVI for Mizoram		Security Statements	Modorotol	wet mildly dr	w/mildly wet		
NDVI IOF MIZOFAM		North East Region 39 June 11	conditions	wet minuty di	y/militily wet		
		~ ~	conditions				
			·)				
		Agriculture report is good own host of the parts holder Travel and Magnifield whereas moderate space is noted	n Ausani				
		d'havagan.					
	9		No. V				
		1 / V	1		1   Page		



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	<u><u></u></u>	0.14	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Fruiting stage	8 5	4 According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	1	So weekly irrigation is required for
LIME	)	LA.	upcoming week or use straw mulch
	(	1 1 1	reduces soil water loss.
BANANA	1		<b>4</b> Medium to young seedling should be
	6	2 2 1	support by bamboo stake.
			♣ To increase the fruit set, spray 2, 4 – D
STAR FRUIT	AMAMIT		@ 20 ppm during flowering stage. For
	1 meaning	5	fruit retention, spray 2, 4 – D @ 20 ppm
	3.0	Z ATZAWAL Y	or NAA @ 30 ppm after fruit set (marble
PLUM AND			size).
PEACH	1	1	Due to high humidity, high temperature
	100	3 6 6	and less rainfall in hilly region of the
	1		district probability of leaf rust will be
			high. So apply Hexaconazole @ 1 ml/10
	11		lt of water.
	F	Fruit fly RCH	↓ In large gardens apply carbaryl 0.2 per cent
	3	V Land	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	5		fortnightly intervals at flowering and fruit
			initiation.
	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	Gummosis,	+ Due to low temperature and humidity
	1	citrus canker,	disease appearance will more. Use Bordeaux
	5	citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne
DI ANTATION OF		5	disease.
PLANTATION CR			
COFFEE	Fruiting stage	Charles I	+ According to forecast and past weather
			record, there is no probability of
		1 25 1	rainfall. So weekly irrigation is required
		A A	for upcoming week or use straw mulch
		LAWNGTLANS	reduces soil water loss.
			Replanting of new seedling
		- SAIHA	Medium to young seedling should be support by bamboo stake.
		1 = 1	Replace dead plant with young seedlings.
		P N N	
			2   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)



	MAMIT	KOLASIB	<ul> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li>Foliar application of Mepiquat chloride <ul> <li>(a) 1000 PPM concentration or 0.75%</li> <li>SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul> </li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1</li> </ul>
	Z		ml/10 lt of water.
Rubber	Vegetative stage		<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Use grass or straw mulch to prevent from waterloss.</li> <li>Medium to young seedling should be support by bamboo stake.</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> </ul>
Strawberry	Transplanting stage	M	<ul> <li>Plough the field properly.</li> <li>Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.</li> <li>Make hole in the upper side of the bun and mix FYM with soil properly.</li> <li>Apply water in every holes of the bun.</li> <li>Transplant young suckers in the bun.</li> </ul>
CEREALS AND I			
Kharif Rice	Physiological maturity stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		NN P	3   P a g e

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			channel for maintain field moisture.
			4 Harvest all mature panicle to reduce
			-
	1000 C		bird damage.
	6 2	6 2	<b>4</b> Make a channel around the field to
		1 3	drain excess water and also start
	1 mil	V	planning for next crop.
		Gandhi bug	4 Weed sanitation and eradication of
	5	6.	alternate hosts from rice fields and
	)	60 J	surrounding areas can help prevent the
	5		multiplication of the Gandhi bug.
	6	the second of the second se	4 Mechanical control measures such as
	1		smoking the field, hand-picking of adults
			and nymphs have also been advocated.
Rabi Maize	Germination		<b>4</b> Thinning must be done where more
	stage	A	population was observed.
		LAIZAWE I	↓ Irrigation should be provide 3 days
			interval
		2	4 Apply 2% urea solution for better
	200		growth.
	1		<b>4</b> Weeding and earthing up should be
	1 6		carried out.
	1)		4 Leaf and stem cutter insect will be
	0	SERCHN	
		w j	reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram	stage	2010 thing	population was observed.
and	Stage		↓ Irrigation should be provide 3 days
			interval
blackgram		LUNGLEI	Apply 2% urea solution for better
	3	and a second second second	growth.
	1	1000	Weeding and earthing up should be
	5	n 7~~	carried out.
		1	Leaf and stem cutter insect will be
			more so apply any contact poison for
		and the set	reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	Irrigation should be provide 3 days integral
Soybean	stage	Contractor and Contractor	interval
cultivation in		LAWNGTLAY	Apply 2% urea solution for better
Jhum		SAIHA	
			<b>4</b> Weeding and earthing up should be
	~ .		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		1 4 6	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Toria		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
VEGETABLE CR			
Ginger and turmeric	Vegetative stage	AIZAWL SERCHH	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Forly colo	Nurson store	Land	
Early cole	Nursery stage		✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
сгор		preparation	
		1141	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed
			solarisation.
	a management of the		Bed should be 1m width and
	1	1	conventional length.
	1 6	1 3	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
		1	↓ Line sowing of seeds (7-10cm)
		KOLASIB	✓ Irrigation must be provide to nursery
	4	(	every alternative days.
Onion	Nursery stage	Poly house	<b>4</b> Raised bed, nursery bed solarisation.
			<b>4</b> Bed should be 1m width and
	5		conventional length.
	1		Application of FYM (1.5-2.0 kg/ $m^2$ )
			Line sowing of seeds (7-10cm)
	MAMIT		↓ Irrigation must be provide to nursery
	L Massie A		every alternative days.
	30	CATZAWAL !!	<ul> <li>Seed treatment with thiram 3g/kg seed or</li> </ul>
	1	2 A	Trichoderma viride 4g+ metalaxyl 4g
	16	3	(Apron)/ kg seed
		3 6 6	↓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage		4 Variable, healthy, well mature and pure
		SERCHN	seeds should be sown.
	1	V	4 Optimum spacing for pole type 60 cm X
			30 cm.
			<b>4</b> Before sowing seed should be treated
	1,00		with Rhizobium vermicompost@10
	and the second	Will meeting (	t/ha.
Capsicum	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
_			4 Bed should be 1m width and
		5~	conventional length.
		$\mathcal{R}$	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Line sowing of seeds (7-10cm)
		100 6 6	Irrigation must be provide to nursery
			every alternative days.
		1 - 2 1	Seed treatment with thiram 3g/kg seed or
		Long and the second second	Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed
		/ SAIHA	Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
Duissial	Numeror		at 10-15 DAS are effective.
Brinjal	Nursery stage	D D I	Vursery preparation for Brinjal.
		VIL P	6   P a g e
			- 1 - w 8 +



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed		
			solarisation.		
	1 mar 1	5	Bed should be 1m width and		
	60	1	conventional length.		
		- 5	Application of FYM (1.5-2.0 kg/		
	in the second	KOLASIB	$m^2$		
	1	1 NULHOID	Line sowing of seeds (7-10cm)		
		La N	<ul> <li>Irrigation must be provide to nursery</li> </ul>		
	(	3 4 1	every alternative days.		
Chilli	Nursery stage	time and	<ul> <li>Nursery preparation for tomato.</li> </ul>		
<b>U</b>	maisery stage	2 3 1	<ul> <li>Raised bed, nursery bed</li> </ul>		
			solarisation.		
	AMAINT		<ul> <li>Bed should be 1m width and</li> </ul>		
	1	5			
	3	ATZAWIL I	conventional length. $(1.5, 0.0 \log (m^2))$		
	1	2	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )		
		6 5	Line sowing of seeds (7-10cm)		
	S	1 6 6	↓ Irrigation must be provide to nursery		
	NT		every alternative days.		
Tomato	Nursery stage		<ul> <li>Nursery preparation for tomato.</li> <li>Beingd had purport had calorization</li> </ul>		
	12	armanul	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and</li> </ul>		
		SERCHH	conventional length.		
	1		Application of FYM (1.5-2.0 kg/ $m^2$ )		
	S		<ul> <li>Line sowing of seeds (7-10cm)</li> </ul>		
	1		<ul> <li>Irrigation must be provide to nursery</li> </ul>		
	0		every alternative days.		
		Damping off	Seed treatment with thiram 3g/kg seed or		
	3		Trichoderma viride 4g+ metalaxyl 4g		
		500	(Apron)/ kg seed		
		n (~~	Drenching 1% Bordeaux mixture or 2 g		
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.		
ANIMAL HUSBE	NDADV		at 10-15 DAS are ellective.		
Pig	All stages		4 Animals must keep in dry place or		
r ig	AII SLAGES	1 20 1	kept in alleviated area and dry bedding		
		Second Second Second	(straw) to be provided to young		
		LAWNGTLAU	animals.		
		/ SAIHA	$\downarrow$ 1 <sup>st</sup> injection at 6 months of age and		
			2nd injection at 12 months of age		
			followed by annual vaccination under		
		147	7   P a g e		
			· · · · · · · · · · · · · · · · · · ·		



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

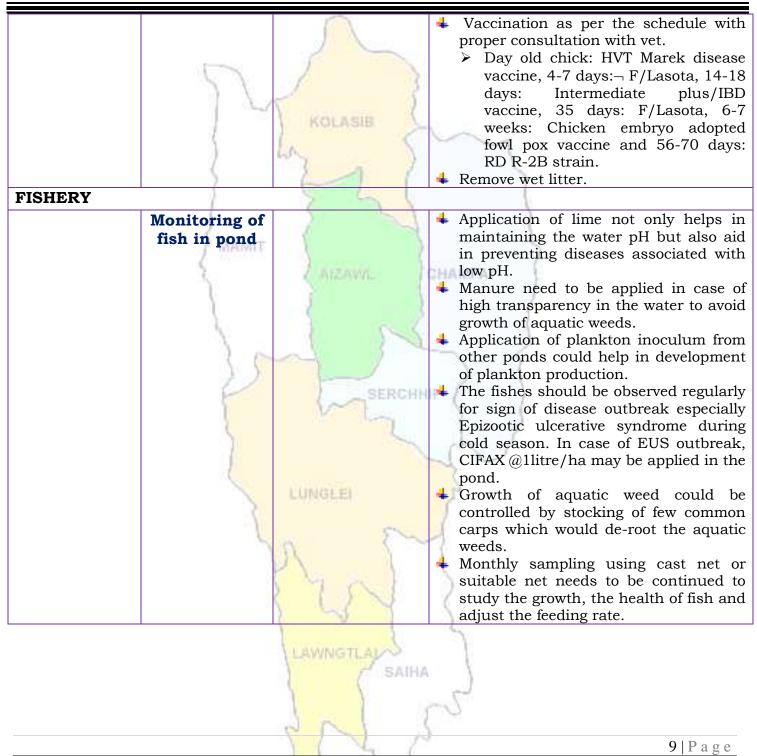


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. 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>
		1121	8   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		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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | 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

Period: 08 November - 12 November, 2017

1

Date of issue: 07th November, 2017

Rainfall (mm)000000Max Temp (°C)2828282727Min Temp (°C)1414131312Cloud CoverageClear skyClear skyClear skyClear skyClear skyMax RH (%)9295959692Min RH (%)3138372933Wind Speed (KmpH)44444*Wind DirectionEEEEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S, South-Westerly- N-W, Startus OF MONSOON-August 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmAizawi- 384.87mmChamphai- 268,78mmSaiha- 216.20 mmKolasib- 247.17mm(430.2mm)(301.30mm)(367.7mm)(372.0mm)(430.2mm)(301.30mm)(367.7mm)(372.0mm)(430.2mm)(301.30mm)(367.7mm)(372.0mm)(453.1mm)(371.4mm)(376.0mm)(301.8mm)Weather summary of the past three daysWeather forecast valid from O8th November, 2017 To 12th November, 2017.Maximum Tem. (*C):15-17°C Maximum Tem. (*C):15-17°C Maximum RH (%):71.78%There are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C.Minimum RH (%):71.78%Weather forecast valid from O8th November, 2017. Cloud cover: Mainly clear Wind speed: 2 km/hrWeekly cumulative rainfall during the next 5 days. The maximum and minimum temperatures for the<	Parameters	08.11.2017	09.11.2017	10.11.2017	11.11.2017	12.11.2017		
Max Temp (°C)2828282727Min Temp (°C)1414131312Cloud CoverageClear skyClear skyClear skyClear skyClear skyCloud Speed (KmpH)9295959692Min RH (%)3138372933Wind Speed (KmpH)44444*Wind DirectionEEEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- South-Westerly- S-W, Westerly- W, North-westerly- N-W.STATUS OF MONSOON-August 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmChamphai- 268.78mmSaiha- 216.20 mmKolasib- 247.17mm(430.2mm)(301.30mm)(367.7mm)(372.0mm)(430.2mm)(371.4mm)(376.0mm)(301.8mm)Weather summary of the past three daysVeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):23-26°C Minimum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14%C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet conditions<					(			
Min Temp (°C)1414131312Cloud CoverageClear skyClear sky <th>· · · ·</th> <th>-</th> <th>-</th> <th>-</th> <th>-</th> <th>-</th>	· · · ·	-	-	-	-	-		
Cloud CoverageClear skyClear skyClear skyClear skyClear skyClear skyClear skyClear skyClear skyClear skyMax RH (%)Max RH (%)929595969293Min RH (%)3138372933Wind Speed (KmpH)44444*Wind DirectionEEEEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- SB. Southwesterly- S.W. Westerly- W, North-Easterly- N-W.STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmChamphai- 268.78mmSaiha- 216.20 mmKolasib- 247.17mm(430.2mm)(301.30mm)(367.7mm)(372.0mm)Lawngtlai-291.20mmLunglei-370.28mmMamit-197.57mmSerchhip-247.35mm(433.1mm)(371.4mm)(376.70mm)(301.8mm)Weather summary of the past three days12 <sup>th</sup> November, 2017.ToMaximum Tem. (°C):23-26°CMinimum RH (%):71-78%Weather forecast valid from 08 <sup>th</sup> November, 2017. There are no chances of light rainfall during the next 5Maximum RH (%):51-17°CMaximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramImage and the past would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Weekly	- · · ·							
Max RH (%)9295959692Min RH (%)3138372933Wind Speed (KmpH)44444Wind DirectionEEEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawl- 384,87mmChamphai- 268.78mmSaiha- 216.20 mmKolasib- 247.17mm(430.2mm)(301.30mm)(367.0mm)(372.0mm)Lawngtlai-291.20mmLunglei-370.28mmMamit-197.57mmSerchhip-247.35mm(453.1mm)(371.4mm)(376.0mm)(301.8mm)Weather summary of the past three daysWeather forecast valid from 08 <sup>th</sup> November, 2017 To 12 <sup>th</sup> November, 2017.Maximum RH (%):84-92% Minimum RH (%):84-92% Minim	<b>—</b> • • •			-	-			
Min RH (%)3138372933Wind Speed (KmpH)444444*Wind DirectionEEEEENortherly- N, North-Easterly- N-E, Easterly- S. South-Westerly- S. W, Westerly- W, North-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm (430.2mm)(301.30mm)(367.7mm)(372.0mm) (372.0mm) (372.0mm) (371.4mm)Lawngtlai-291.20mm (453.1mm)Lunglei-370.28mm (371.4mm)Maint-197.57mm (376.0mm)Serchhip-247.35mm (371.4mm) (371.60mm)(301.8mm)Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum memperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramWeekly cumulative rainfall: 00.0 mm	<u>_</u>	~		-		v		
Wind Speed (KmpH)       4       4       4       4       4       4       4         *Wind Direction       E       E       E       E       E       E       E         Northerly- N, North-Easterly- N-E, Easterly- E, South-Westerly- N.W.       Statul-Sasterly- S-E, Southerly- S, South-Westerly- N.W., Westerly- N.W.       Statul-Sasterly- S-E, Southerly- S, South-Westerly- N.W.         STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)       (362,7mm)       (362,7mm)         Aizawi- 384.87mm       Champhai- 268,78mm       Saiha- 216.20 mm       Kolasib- 247.17mm         (430.2mm)       (301.30mm)       (367.7mm)       (372.0mm)       (301.8mm)         Lawngtlai-291.20mm       Lunglei-370.28mm       Mamit-197.57mm       Serchhip-247.35mm         (453.1mm)       (371.4mm)       (376.0mm)       (301.8mm)         Weather summary of the past three days       Weather forecast valid from 08th November, 2017 To 12th November, 2017.         Maximum Tem. (*0):15.17°C       Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour.         Cloud cover: Mainly clear       Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Weekly cumulative rainfall: 00.0 mm </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
*Wind Direction       E       E       E       E       E       E       E         Northerly- N, North-Easterly- S. South-Westerly- S. South-Westerly- S. South-Westerly- S. W, Westerly- S. South-Westerly- S. W, Westerly- N. W.       STATUS OF MONSOON-August 1-31, 2017 (Percent of deviation from normal in parenthesis)         Aizawl- 384.87mm       Champhai- 268.78mm       Saiha- 216.20 mm       Kolasib- 247.17mm         (430.2mm)       (301.30mm)       (367.7mm)       (372.0mm)         Lawngtlai-291.20mm       Lunglei-370.28mm       Mamit-197.57mm       Serchhip-247.35mm         (453.1mm)       (371.4mm)       (376.0mm)       (301.8mm)         Weather summary of the past three days       Weather forecast valid from 08th November, 2017 To 12th November, 2017.         Maximum Tem. (°C):15-17°C       Maximum RH (%):71-78%       There are no chances of light rainfall during the next 5 days may range for 27-28°C and 12-14°C.         Minimum RH (%):71-78%       Wind Direction: Southeasterly Cloud cover: Mainly clear       Weekly cumulative humidity is expected in the range of 92-96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.         NDVI for Mizoram       Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Image: Clear sky will prevail during the next five days.	· · ·	-						
Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- N, North-westerly- N-W.STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm (430.2mm)1.31, 2017 (Percent of deviation from normal in parenthesis) Saiha- 216.20 mm (301.30mm)Lawngtlai-291.20mm (453.1mm)Lunglei-370.28mm (371.4mm)Serchhip-247.17mm (372.0mm)Lawngtlai-291.20mm (453.1mm)Lunglei-370.28mm (371.4mm)Mamit-197.57mm (376.0mm)Serchhip-247.35mm (301.8mm)Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.To Meximum Tem. (°C):25-26°CMinimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 		E	E	E	E	E		
Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 268.78mm(430.2mm)(301.30mm)(430.2mm)(301.30mm)Lawngtlai-291.20mmLunglei-370.28mmMaximum (453.1mm)(371.4mm)(371.4mm)(376.0mm)(301.30mm)(376.0mm)(301.8mm)Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet conditions		rly- N. North-	Easterly- N-E, Ea	sterly- E. South	-Easterly- S-E.			
STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmChamphai- 268.78mmSaiha- 216.20 mmKolasib- 247.17mm(430.2mm)(301.30mm)(367.7mm)(372.0mm)Lawngtlai-291.20mmLunglei-370.28mmMamit-197.57mmSerchhip-247.35mm(453.1mm)(371.4mm)(376.0mm)(301.8mm)Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):15-17°C Maximum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet conditions								
(430.2mm)(301.30mm)(367.7mm)(372.0mm)Lawngtlai-291.20mmLunglei-370.28mmMamit-197.57mmSerchhip-247.35mm(453.1mm)(371.4mm)(376.0mm)(301.8mm)Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):23-26°CThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum RH (%):71-78%Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrWeekly cumulative rainfall: 00.0 mmNDVI for MizoramWeekly cumulative rainfall: 00.0 mmNDVI for MizoramImage of the past of the maximum and minimum tent of the days.NDVI for MizoramImage of the past of the maximum and the minimum tent of the days.NDVI for MizoramImage of the past of the maximum and the minimum tent of the days.NDVI for MizoramImage of the past of the maximum tent the days.NDVI for MizoramImage of the past of the maximum tent tent tent tent tent tent tent ten								
Lawngtlai-291.20mm (453.1mm)Lunglei-370.28mm (371.4mm)Mamit-197.57mm (376.0mm)Serchhip-247.35mm (301.8mm)Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):23-26°C Minimum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet onditions	<b>Aizawl-</b> 384.87mm	Champha	i- 268.78mm	Saiha- 216.20 n	nm Kolasib-	247.17mm		
(453.1mm)(371.4mm)(376.0mm)(301.8mm)Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):23-26°C Minimum RH (%):84-92% Minimum RH (%):71-78%There are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 00.0 mm								
Weather summary of the past three daysWeather forecast valid from 08th November, 2017 To 12th November, 2017.Maximum Tem. (°C):23-26°C Minimum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramImage: Comparison of the past		Lunglei		Mamit-197.57n	n <mark>m Serc</mark> hhip			
three days12th November, 2017.Maximum Tem. (°C):23-26°C Minimum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet onditions	· · · · · · · · · · · · · · · · · · ·		• •			· · · · · · · · · · · · · · · · · · ·		
Maximum Tem. (°C):23-26°C Minimum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrThere are no chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet onditions	Weather summary of	of the past	Weather forec			er, 2017 To		
Minimum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrdays. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet conditions	three day	s	12 <sup>th</sup> November, 2017.					
Maximum RH (%):84-92% Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrInstitution and the information of 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet onditions	Maximum Tem. (°C):2	23-26°C	There are no chances of light rainfall during the next 5					
Minimum RH (%):71-78% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hrMaximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0 mmNDVI for MizoramModerately wet mildly dry/mildly wet onditions			days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 96% and minimum may from 29-38%. Wind direction					
Minimum RH (%):71-78%         Wind Direction: Southeasterly         Cloud cover: Mainly clear         Wind speed: 2 km/hr         Rainfall: 00.0 mm         NDVI for Mizoram         Methewale with the wind speed of 4 km per hour.         Clear sky will prevail during the next five days.         NDVI for Mizoram								
Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2 km/hr       96% and minimum may from 29-38%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.         Rainfall: 00.0 mm       Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Moderately wet mildly dry/mildly wet conditions		78%						
Cloud cover: Mainly clear       would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.         Rainfall: 00.0 mm       Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Image: Clear sky will prevail during the next five days.         Image: Clear sky will prevail during the next five days.       Moderately wet mildly dry/mildly wet conditions		heasterly						
wind speed: 2 km/nr       Clear sky will prevail during the next five days.         Rainfall: 00.0 mm       Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Moderately wet mildly dry/mildly wet conditions	· · · · · · · · · · · · · · · · · · ·	clear						
Rainfall: 00.0 mm       Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Image: Comparing the set of the	Wind speed: 2 km/h		· · ·					
Weekly cumulative rainfall: 00.0 mm         NDVI for Mizoram       Moderately wet mildly dry/mildly wet conditions			cical sky will pi	cvan during th	c next nvc days	•		
NDVI for Mizoram Moderately wet mildly dry/mildly wet onditions	Rainfall: 00.0 mm		Wookl	u oumulativo	rainfall 00.0	mm		
And the spectral of the spectr			WEEKI	y cumulative i	<i>unjun</i> . 00.01			
And the spectral of the spectr	NINTI Com Minores			Madauat 1		/ :1 -11 (		
	NDVI for Mizoram		North East Region 29 June 2147	5	wet milaly dr	y/mildly wet		
There and Verplands where in order of an in order in the set			AB					
There and Verplands where in order of an in order in the set								
There and Verplands where in order of an in order in the set				- new band				
			Apriculture report is pool, some most of the parts hardware					
1 IPage			of the region.					
1   Page			CV INI					
			1 / V	12		1   Page		



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	<u>0</u> 4	0.11.1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Fruiting stage	5	♣ According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	1	So weekly irrigation is required for
LIME	)	WA N	upcoming week or use straw mulch
		1 1 1	reduces soil water loss.
BANANA	1		<b>4</b> Medium to young seedling should be
	6	2 2 1	support by bamboo stake.
			♣ To increase the fruit set, spray 2, 4 – D
STAR FRUIT	AMAMIT		@ 20 ppm during flowering stage. For
	1 menunity	S	fruit retention, spray 2, 4 – D @ 20 ppm
	3.0	A ATZAWAL	or NAA @ 30 ppm after fruit set (marble
PLUM AND			size).
PEACH	1	2	Due to high humidity, high temperature
	100	3 6 6	and less rainfall in hilly region of the
	11		district probability of leaf rust will be
			high. So apply Hexaconazole @ 1 ml/10
	11		lt of water.
	F	Fruit fly_RCH	↓ In large gardens apply carbaryl 0.2 per cent
	3	V Las	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	5		fortnightly intervals at flowering and fruit
			initiation.
	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	Gummosis,	+ Due to low temperature and humidity
	1	citrus canker,	disease appearance will more. Use Bordeaux
	5	citrus greening	past in tree trunk, twigs and branches
	1	and Dieback	protect healthy plant from soil borne
DI ANMAMION OF		5	disease.
PLANTATION CR			
COFFEE	Fruiting stage	the set b	<b>4</b> According to forecast and past weather
			record, there is no probability of
		) Le Y	rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch
		LANDERT ALS	reduces soil water loss.
		LAWNGTLAN	Replanting of new seedling
		- SAIHA	
			support by bamboo stake.
			Replace dead plant with young
		N N	seedlings.
		Y Y Y	2   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)



			Fertilizer dose should be maintained. Fruiting stage
			<b>4</b> Foliar application of Mepiquat chloride
			@ 1000 PPM concentration or 0.75%
	1 6	1 2	SSP @ 1.5 g per 200 lt of water 15 days
	L.	N	interval.
		KOLASIE	4 Spray lantana camera leaf paste
	1	Ex S S	around 3 kg/16 lt water which will give
	1	~ )	effective control against drought
			condition.
	2		4 Due to high humidity, high
		5 54	temperature and less rainfall in hilly
	R		region of the district probability of rust
	/ MAMIT	X 2	will be high. So apply Hexaconazole @ 1
	S	Jacoma Ja	ml/10 lt of water.
Rubber	Vegetative	A CONSTRUCTION OF A CONSTRUCTURA	According to forecast and past weather
	stage	)	record, there is no probability of
	100		rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch
	20	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	reduces soil water loss.
	1)		Use grass or straw mulch to prevent from waterloss.
	8	SERCHNE	↓ Medium to young seedling should be
	1	V	support by bamboo stake.
	5		♣ 10-12 kg of well rotten organic manure
	10		and 225 gm rock phosphate should be
	1		apply at time of planting to each pit as
		LUNGLEY	basal dose application.
Strawberry	Transplanting		4 Plough the field properly.
	stage	0	<b>4</b> Make bun in the field and cover with
		n (~~	black mulch to reduce water
			transpiration and also weed control.
		My AL	<b>4</b> Make hole in the upper side of the bun
			and mix FYM with soil properly.
		2 -2 1	Apply water in every holes of the bun.
CEREALS AND			<b>4</b> Transplant young suckers in the bun.
Kharif Rice		LEGITING LENG	According to forecast and past weather
Allarit Kice	Physiological	) / SAIHA	record, probability of rain will be less
	maturity		and temperature will be high. So
	stage		drainage channel shall be block the
L	1	6 1 9 9	
		146	3   P a g e

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			channel for maintain field moisture.
			4 Harvest all mature panicle to reduce
			-
	1000 C		bird damage.
	6 1	6 2	<b>4</b> Make a channel around the field to
		1 3	drain excess water and also start
	1	V	planning for next crop.
		Gandhi bug	4 Weed sanitation and eradication of
	5	6.	alternate hosts from rice fields and
	)	60 J	surrounding areas can help prevent the
	5		multiplication of the Gandhi bug.
	6	the second of the second se	4 Mechanical control measures such as
	1		smoking the field, hand-picking of adults
			and nymphs have also been advocated.
Rabi Maize	Germination		<b>4</b> Thinning must be done where more
	stage	A	population was observed.
		LAIZAWE I	↓ Irrigation should be provide 3 days
			interval
		) )	4 Apply 2% urea solution for better
	1		growth.
	1		<b>4</b> Weeding and earthing up should be
	1 6		carried out.
	1)		4 Leaf and stem cutter insect will be
	0	SERCHN	
		w7	reducing pest populatin.
Zero tillage	Germination	Zero tillage	<b>4</b> Thinning must be done where more
Greengram		Zero tingo	population was observed.
-	stage		↓ Irrigation should be provide 3 days
and			interval
blackgram		LUNGLEI	Apply 2% urea solution for better
	3	and the second sec	growth.
	1	1770-	Weeding and earthing up should be
	1	n 2~~	carried out.
		1	
			<b>4</b> Leaf and stem cutter insect will be
			more so apply any contact poison for
			reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	Irrigation should be provide 3 days
Soybean	stage	Contractor and the second second	interval
cultivation in		LAWNGTLAN	♣ Apply 2% urea solution for better
Jhum		SAIHA	
			<b>4</b> Weeding and earthing up should be
	<u> </u>		carried out.
Zero tillage	Sowing stage	Zero tillage	<b>4</b> Thinning must be done where more
		147	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Toria		KOLASIB	<ul> <li>population was observed.</li> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out with proper doses of fertilizer.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.</li> </ul>
VEGETABLE CR			
Ginger and turmeric	Vegetative stage	AIZAWL SERCHH	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage		<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Forly colo	Nurson store	Land	
Early cole	Nursery stage		✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
сгор		preparation	
		1141	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed
			solarisation.
			Bed should be 1m width and
			conventional length.
	2.1	1	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
		5	Line sowing of seeds (7-10cm)
		KOLASIE	<ul> <li>Irrigation must be provide to nursery</li> </ul>
	1	6	every alternative days.
	NT A	AA I I I	· · ·
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
	1		<b>4</b> Bed should be 1m width and
	1	2 5	conventional length.
	1	P = -1	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	Remain		Line sowing of seeds (7-10cm)
	/ MAMIT	X 2	<b>4</b> Irrigation must be provide to nursery
	S	Janzana J	every alternative days.
	1	Concerne 1	4 Seed treatment with thiram 3g/kg seed or
	8	5 D	Trichoderma viride 4g+ metalaxyl 4g
	- S	Sec. 1	(Apron)/ kg seed
	1	1 55	+ Drenching 1% Bordeaux mixture or 2 g
	0.0	- 1 - 1	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage	SERCHN	<b>4</b> Variable, healthy, well mature and pure
		SERCIN	
			4 Optimum spacing for pole type 60 cm X
	S.		30 cm.
	10		+ Before sowing seed should be treated
	1		with Rhizobium vermicompost@10
		11101/21 83	t/ha.
Capsicum	Nursery stage	Poly house	<b>+</b> Raised bed, nursery bed solarisation.
	1		+ Bed should be 1m width and
		m 2~~	conventional length.
		11	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Line sowing of seeds (7-10cm)
		1701	+ Irrigation must be provide to nursery
			every alternative days.
			4 Seed treatment with thiram 3g/kg seed or
		Contractor and Contractor	Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed
		) / SAIHA	Drenching 1% Bordeaux mixture or 2 g center or 2 compare ownehleride ( It of water
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage		<ul> <li>Nursery preparation for Brinjal.</li> </ul>
		6 5 6	
			6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Raised bed, nursery bed	
			solarisation.	
		6	Bed should be 1m width and	
		1	conventional length.	
		1 3	Application of FYM (1.5-2.0 kg/	
	had been	V	$m^2$ )	
		KOLASIB	,	
	1	En S	Line sowing of seeds (7-10cm)	
	1	~ 1	♣ Irrigation must be provide to nursery	
			every alternative days.	
Chilli	Nursery stage		Nursery preparation for tomato.	
		5 54	Raised bed, nursery bed	
	2		solarisation.	
	1 MAMIT		Bed should be 1m width and	
	5	AZAWA_	conventional length.	
		Concerner 1	♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )	
	1	5 5	Line sowing of seeds (7-10cm)	
	1.5	Sec. 1	↓ Irrigation must be provide to nursery	
	1	1 55	every alternative days.	
Tomato	Nursery stage		Wursery preparation for tomato.	
			Raised bed, nursery bed solarisation.	
		SERCHN	Hed should be 1m width and	
	5	M	conventional length.	
	1		♣ Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )	
			Line sowing of seeds (7-10cm)	
	08		🔸 Irrigation must be provide to nursery	
			every alternative days.	
		Damping off	Seed treatment with thiram 3g/kg seed or	
	3		Trichoderma viride 4g+ metalaxyl 4g	
		5	(Apron)/ kg seed	
		n (~	Drenching 1% Bordeaux mixture or 2 g	
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.	
ANIMAL HUSBENDARY				
PigAll stages+ Animals must keep in dry place or				
**5	III Stugos		kept in alleviated area and dry bedding	
		Company and the second second	(straw) to be provided to young	
		LAWNGTLAU	animals.	
		/ SAIHA	4 1 <sup>st</sup> injection at 6 months of age and	
			2nd injection at 12 months of age	
			followed by annual vaccination under	
		VIV C	7   P a g e	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

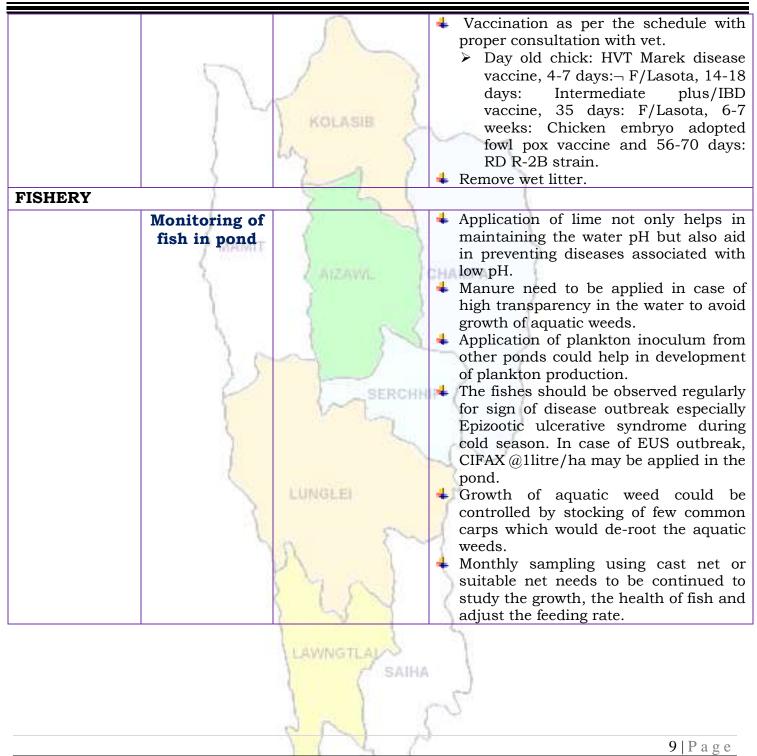


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. 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>
		1121	8   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:**

#### **Programme Coordinator** Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | P a g e