

#### 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: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/English

Date of issue: 25th May, 2018

Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	11	9	6	8	19
Max Temp (°C)	31	31	30	30	30
Min Temp (°C)	22	22	21	21	21
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	96	99	99	98	98
Min RH (%)	57	42	59	45	55
Wind Speed (KmpH)	3	2	3	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)

Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

# Weather summary of the past three days

Maximum Tem. (°C):26-29°C Minimum Tem. (°C):16-18°C

Maximum RH (%):98-99%

Minimum RH (%):62-76%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-3 km/hr

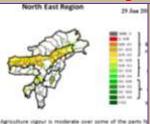
Rainfall: 12.3 mm

# Weather forecast valid from 26<sup>th</sup>May, 2018 To 30<sup>th</sup> May, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 21-22°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 42-59%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 53.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,
AND ACID	stage	1	so drainage should be maintain around the
LIME		(A)	field properly.
CMAD DDIIM	(	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	3	The same of the sa	nursery immediately after extraction in
	f.		to a depth 1.5 to 2 cm extraction at
DT 1112 A 11D	J		10x5 cm distance. Seedlings are planted
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-
PEACH	Z. 100000000	1000000	6 leaf stages.  Potting mixture of soil, sand and FYM or
	1	( AIZAWL	compost should be in proper ratio.
	1	1	♣ Application of split dose of fertilizer 600:
	1	(	200:100 (g/pt).
	1	1 150	♣ Only certified seed should be used.
	) 6		♣ Stagnation of water in beds should be
	1		avoided.
		SERCH	♣ In the citrus belt, trees can be planted
			at any time; however, pre-monsoon is
	1		the best time for transplant or gap
			filling.
	()		► Standard-size trees should be spaced 12
	1	MILMOSERY	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The
			bigger the fruit, the farther the distance.
		Gummosis, citrus Canker,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
	1	Citrus Canker, Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
	1	butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		S. S.
COFFEE	Blooming	₹ SAIHA	♣ If day temperature and prolong dry
	stage		spell occur it lead to Floral
	3 3 3 6 5		abnormalities like "Star Flower" in
		12	Arabica and "Pink Flower" in Robusta.
		1 1	2   P a g e
		344	2   1 a g c

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	MAIMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHH	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  4 Start planting newly established place.  4 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.  4 Basin clearing of all plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when</li> </ul>
	}	376	they become 3-4 months old.  Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	F. 101.000000		
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	SERCHH	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
	3	LUNGLEI	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		C N	

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0) (	<b>♣</b> According to forecast probability of
us crop			rain will be moderate and temperature
_	( )	1	will be less, so drainage should be
	1 /	3	maintain around the field properly.
	1	V comment of	♣ Provide split doses of urea (70g/pt) at
	J.	KOLASIB	the time of full blooming
	1	La S	☐ In large gardens apply carbaryl 0.2 per
	/	7 2	cent or malathion 0.15 per cent
	7		suspension containing sugar or
	1	7	jeggery at 10 g/l at fortnightly
			intervals at flowering and fruit
	Same		initiation against fruit fly and
	/ MAMIT	1	pumpkin beetle.
Chilli	Vegetative to	LAIZAWL I	+ According to forecast probability of
	flowering	2	rain will be moderate and temperature
	stage	1	will be less, so drainage should be
	1	3 66	maintain around the field properly.  Larthing up soil for better growth and
	1		stability in root zone.
	1		Don't use split dose of any nitrogenous
	1	The same of the sa	fertilizer for better growth.
		SERCHN	☐ If possible use straw mulch/ grass
	V V	No.	mulch in row to prevent moisture loss
			and better growth of plant.
	149	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	110		or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3		fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	500	According to forecast probability of rain
	stage	11	will be moderate and temperature will
	senge		be less, so drainage should be maintain
	1	100	around the field properly.
	1	( F3 A	<b>♣</b> Earthing up soil for better growth and
		1	stability in root zone.
		A commence of the	♣ Don't use split dose of any nitrogenous
		LAWNGTLAN	fertilizer for better growth.
Okra	Vegetative	SAIHA	4 According to forecast probability of rain
	stage		will be moderate and temperature will
		1 2 1	be less, so drainage should be maintain around the field properly.
		6	
		1	5   P a g e

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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>
	(	5006	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	1	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive Respiratory	2
	3	Syndrome (PRRS).	7
Cattle	All age group	LAWNGTLAL	<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>♣ 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>

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	5	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWA	<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> <li>Vaccination as per the schedule with proper consultation with vet.</li> </ul>
FISHERY		and the second	Temove wet neter.
	Monitoring of fish in pond	LAWNGTLAU SAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>
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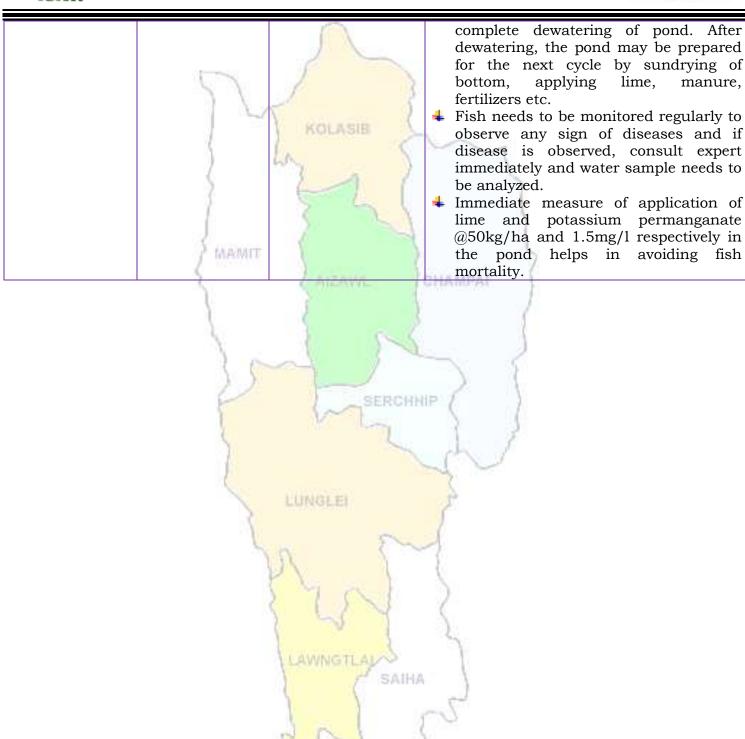
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SAIHA

LAWNGTLAL

CHAMPAI

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**Parameters** 

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

**Cloud Coverage** 

\*Wind Direction

Wind Speed (KmpH)

## GRAMIN KRISHI MAUSAM SEWA

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2

S-E

**District: Aizawl** Period: 26 May - 30 May, 2018

42

2

S-E

Bulletin No: - 793/2018/ Bulletin/Mizo

26.05.2018

11

31

22

Partially clear

96

57

3

S-E

	3		
27.05.2018	28.05.2018	29.05.2018	30.05.2018
9	6	8	19
31	30	30	30
22	21	21	21
Partially clear	Partially clear	Partially clear	Mainly cloudy
99	99	98	98

45

2

S-E

Date of issue: 25th May, 2018

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm)(213.6 mm)(119.4 mm)(109.8 mm)Mamit-388.3 mm Lunglei- 336.4 mm Serchhip-158.4 mm

Lawngtlai-157.2 mm (101.5 mm)(236.2 mm) (117.6 mm)(214.2 mm)

26<sup>th</sup> May - 30<sup>th</sup> May, 2018 chhunga sik leh sa Weather summary of the past three days dinhmun tur tlangpui

Maximum Tem. (°C):26-29°C Minimum Tem. (°C):16-18°C Maximum RH (%):98-99% Minimum RH (%):62-76% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-3 km/hr

Rainfall: 12.3 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 96-99% leh a hniam lai berin 42-59% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

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S-E

Weekly cumulative rainfall: 53.0mm

**NDVI** for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	f., (	
	)	60°y	♣ Sneg hmaih te lakkhawma paih vek tur
	8	2 1	ani.
	5	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.  Hmun dam lutukah dah loh tur.
	7. 10.55		Boruak tha taka a hmuh theih nan leh a
	7.	√ AIZAVVI	rawn chawr no theih nan thlai chu uluk
	1	2	tak a hlawi tur ani.
	1		4 Chuan hei hian kah tur ani. Quinalphos 25
	16	3 64 6	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		0 00 00	robusta cherry 11.0 %.
	(	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
	The same of the sa	AVIEWS THE	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	- E	✓ Vaimim chinna tur atan lei kan let
		17	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
		7 6	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(	dah ang.
		land and the same of the same	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VIN	3   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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Sambas v. v.	5		<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	TIMAMIT		Margarahana lawing ala ahin na tau
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		<b>↓</b> Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		7 5	tur ani .
Early Cole	Black spot	20	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zavilali dali tal alli.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam
	) [	3	chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	\$	201	♣ Thlai bul vawn hnawn nana thlai bula
	1	5 5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
			♣ Thlai chhina hmun (nursery) hi hnim a
	MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	10000000	1	tui liter 1 zelah pawlh a kah hi a tha
	1	( AIZAWL	hle ani.
	\	Phytopthora	A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight	(Apron)/ kg seed hi a tha hle ani
	1		Hneh taka 1% Bordeaux chawhpawlh
	1 6		emaw 2 g captan emaw 3 copper
	1)		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	Tui pek a hnihnah hringa khuh tur ani
Tronon boan	Sowing Stage	V	a. than a that theih nan tui pek hma
			in lei rin pan hmasak tur ani.
			4 A than duna theih nan leh hnim to loh
		Unit the extra	na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		A than a that theih nan nikhat danah tui pek thin tur ani.
radish		w 85m	Tui pek thin tui ani.  Tui pek hnuah thlai bul vawn hnawn
		17	na tur siam tur ani.
	1	P Va sa V	Likhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
	l i	-5	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	0 0
			Mancozeb @ 2gm ah tui leter 1
		1	pawlha kah tur ani.
		m De l	

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	} meomit	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
	7 1000000	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	15	( AIZAWIL	CHI	AMPAI }
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters
Rainfall (mm)
Max Temp (°C)
Min Temp (°C)
Cloud Coverage
Max RH (%)
Min RH (%)

Wind Speed (KmpH)
\*Wind Direction

## GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



S-E

District: Champhai Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/English

S-W

1. 1	6	(		
26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
20	11	14	18	11
23	23	22	22	22
14	14	13	13	13
Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
100	98	99	99	100
54	49	47	45	49

S-E

Date of issue: 25th May, 2018

S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)

Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

Weather summary of the past Weather forcest valid from 26thWay 2018 To 20th

# Weather summary of the past three days

Maximum Tem. (°C):27-30°C Minimum Tem. (°C):16-19°C

Maximum RH (%):96-100%

Minimum RH (%):58-81% Wind Direction: Southeasterly

Cloud cover: Partially clear
Wind speed: 2-3 km/hr

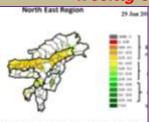
Rainfall: 14.6 mm

Weather forecast valid from 26<sup>th</sup>May, 2018 To 30<sup>th</sup> May, 2018.

There are chances of moderate rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 22-23°C and 13-14°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 45-54%. Wind direction would be southwesterly to southerly and southeasterly with the wind speed of 2 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 74.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Nursery and	C 1	According to forecast probability of rain will	
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,	
AND ACID	stage	NULHOID	so drainage should be maintain around the	
LIME	Stage	LA	field properly.	
	(	3 4 6	<b>By seeds:</b> Seed should be sown in the	
STAR FRUIT	7		nursery immediately after extraction in	
	1	2	to a depth 1.5 to 2 cm extraction at	
	1)		10x5 cm distance. Seedlings are planted	
PLUM AND	Summer		in secondary bed or polythene bags at 4-	
PEACH	) MAMIT		6 leaf stages.	
	7.	Z AIZAWIL	→ Potting mixture of soil, sand and FYM or	
			compost should be in proper ratio.	
	1	1	♣ Application of split dose of fertilizer 600:	
	16	1 6. (	200:100 (g/pt).	
	. /		♣ Only certified seed should be used.	
	1 (		→ Stagnation of water in beds should be	
	+)		avoided.	
		SERCH	In the citrus belt, trees can be planted	
	1	V	at any time; however, pre-monsoon is	
			the best time for transplant or gap	
	1	1000	filling.	
			Standard-size trees should be spaced 12	
		Control of	to 25 feet apart and dwarf trees should	
		LUNGLEI	be set 6 to 10 feet apart. The exact	
	1		distance depends on the variety. The	
		Gummaaaia	bigger the fruit, the farther the distance. <b>Lamon butterfly-</b> Spray monocrotophos	
		Gummosis, citrus Canker,	@0.04% @1.2 ml/lt of water.	
	1	Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5	
		Dieback, Lamon	ml/lit of water) at each flush emergence.	
	1	butterfly and	<b>4 Citrus Canker</b> - Apply bacterimycin	
		leaf minor	@0.6 g/lt of water.	
PLANTATION CR	POP	1001 1111101	<u> </u>	
COFFEE	Blooming	F SAIHA	♣ If day temperature and prolong dry	
001122	stage	( SAIN	spell occur it lead to Floral	
	Stugo		abnormalities like "Star Flower" in	
		1 2 1	Arabica and "Pink Flower" in Robusta.	
	1	6		
2   P a g e				

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	MAMIT	KOLASIB	<ul> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>♣ The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHN	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  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.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAN	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>The seedlings are planted in field when they become 3-4 months old.</li> <li>Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.</li> </ul>
CEREALS AND			A a a sudio a ta fana a a ta a a a a la
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	CA SERGINI	♣ According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.
	1	LUNGLEI	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAN	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		6 1 1	AlDaga
		-	4   P a g e

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0) (	♣ According to forecast probability of
us crop	(Ferminal Co.)	-	rain will be moderate and temperature
•	1	1	will be less, so drainage should be
		3	maintain around the field properly.
	1	V	♣ Provide split doses of urea (70g/pt) at
	1	KOLASIB	the time of full blooming
	1	En S	♣ In large gardens apply carbaryl 0.2 per
	1	7	cent or malathion 0.15 per cent
	)		suspension containing sugar or
	)	5	jeggery at 10 g/l at fortnightly
	1		intervals at flowering and fruit
	3		initiation against fruit fly and
	J. MAUNIT	1 )	pumpkin beetle.
Chilli	Vegetative to	Z AIZAWL Z	+ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	) }	will be less, so drainage should be
	1	8 6 7	maintain around the field properly.
	1		Larthing up soil for better growth and
	2 6		stability in root zone.
	1)		Don't use split dose of any nitrogenous fertilizer for better growth.
		SERCHN	If possible use straw mulch/ grass
	1	V	mulch in row to prevent moisture loss
			and better growth of plant.
	- 4	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3	H1915 H1911	fortnightly intervals at flowering and fruit
0	774-4-4	200	initiation.
Cowpea	Vegetative	17	According to forecast probability of rain
	stage		will be moderate and temperature will be less, so drainage should be maintain
	(		around the field properly.
			Larthing up soil for better growth and
		1 -3 ]	stability in root zone.
			Don't use split dose of any nitrogenous
		LAWNGTLAU	fertilizer for better growth.
Okra	Vegetative	# SAIHA	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
		200	around the field properly.
		11 11 1	5   P a g e

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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm</li> </ul>
ANIMAI IMIONES	ID A DV	1	between and within rows in the pits.  Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN		A	Animala manat lassa in due ulum na
Pig	All stages	Porcine Reproductive	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
		Respiratory	A .
	3	Syndrome (PRRS).	
Cattle	All age group	LAWNGTLAL	<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>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>

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	7	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL SERCHH	<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> <li>Vaccination as per the schedule with proper consultation with vet.</li> </ul>
FISHERY	170	794	-1
	Monitoring of fish in pond	LAWNGTLAL SAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>
		1 1 1	7   Page

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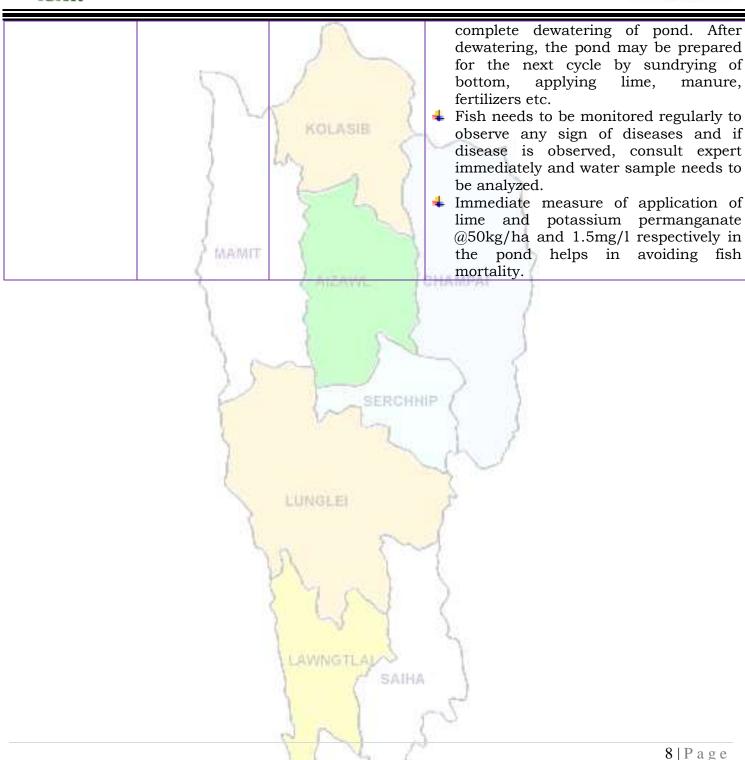


#### ICAR RESEARCH COMPLEX FOR NEH REGION

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LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



(213.6 mm)

**District:** Champhai Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/Mizo

	1. 1	P	1		
Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	20	11	14	18	11
Max Temp (°C)	23	23	22	22	22
Min Temp (°C)	14	14	13	13	13
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	100	98	99	99	100
Min RH (%)	54	49	47	45	49
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-W	S	S-E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm)(119.4 mm)(109.8 mm)Lawngtlai-157.2 mm

Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm (101.5 mm)(236.2 mm) (117.6 mm)(214.2 mm)

Weather summary of the past three days

26<sup>th</sup> May - 30<sup>th</sup> May, 2018 chhunga sik leh sa dinhmun tur tlangpui Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo

Maximum Tem. (°C):27-30°C Minimum Tem. (°C):16-19°C Maximum RH (%):96-100% Minimum RH (%):58-81% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

tura beisei a ni. Khua a lum lai berin 22-23°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 45-54% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 14.6 mm

### Weekly cumulative rainfall: 74.0mm

North East Regi **NDVI** for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 25th May, 2018

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A 1 181 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	{ MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	l	♣ Hmaih neih nuaih loh tur ani.
	)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Interview		Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
	)	3	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		☐ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		( Sections	robusta cherry 11.0 %.
	V	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
	- 1	0.00	♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
		THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		279	
Rabi Maize	A chin hun 📜	m the	₹ Vaimim chinna tur atan lei kan let
		1	phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
	N.	1 60 4	♣ A chi chu kan lei leh saah chuan kan
			dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		N P	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VVV	3   P a g e

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

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	//		1-6 ah F1 vaccine pek tur ani a, chuan
	1110454105	my )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	)			ani.
	1	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2	1		coccidiostat
	MAMIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL I	CH	AMPAL
_	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	Clinawij			a phoro phawt tur ani.
	No. C		4	Sangha chaw hi a hmuar lohna turin
	1)	- Company		hmun ro leh uap lutuk lo ah dahthat
		SERCH	gP.	tur ani a, hmuar atang a tur lo inseam
	l l	V Lang		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	- 4		+	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	50	buatsaih a ti awlsam a, dil mawng
	3	THE PROPERTY OF THE PARTY OF TH	1	phoro, chinai phul, leitha hman leh tul
	- 1	600		dang in dil buatsaih tur ani.
	39	17	1	Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		19 7		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		3		tuisen @1.5mg/l diltui a hman hian
		language and the same of the s		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	Ą	
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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Kolasib Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/English

Date of issue: 25th May, 2018

Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	13	12	14	12	41
Max Temp (°C)	34	34	33	32	32
Min Temp (°C)	18	18	17	17	17
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	100	99	100	99	100
Min RH (%)	57	41	56	48	66
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):27-30°C Minimum Tem. (°C):20-21°C

Maximum RH (%):94-100%

Minimum RH (%):64-78%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

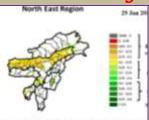
Rainfall: 14.9 mm

# Weather forecast valid from 26<sup>th</sup>May, 2018 To 30<sup>th</sup> May, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-34°C and 17-18°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 41-66%. Wind direction would be southerly to southeasterly and easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 92.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	e' 1	According to forecast probability of rain will			
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,			
AND ACID	stage	NVILHOID!	so drainage should be maintain around the			
LIME	Stuge	LA A	field properly.			
	(	3 4 6	<b>By seeds:</b> Seed should be sown in the			
STAR FRUIT	7		nursery immediately after extraction in			
	/	3	to a depth 1.5 to 2 cm extraction at			
	]		10x5 cm distance. Seedlings are planted			
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-			
PEACH	7 meants		6 leaf stages.			
	3	/ AIZAWL )	→ Potting mixture of soil, sand and FYM or			
	1		compost should be in proper ratio.			
	1		♣ Application of split dose of fertilizer 600:			
	-	The same	200:100 (g/pt).			
	1		Only certified seed should be used.      Starration of material had a charald be			
			♣ Stagnation of water in beds should be avoided.			
	1	SERCH	In the citrus belt, trees can be planted at any time; however, pre-monsoon is			
	l l	Y Language	the best time for transplant or gap			
			filling.			
	1		Standard-size trees should be spaced 12			
			to 25 feet apart and dwarf trees should			
		LUNGLEI	be set 6 to 10 feet apart. The exact			
	3		distance depends on the variety. The			
	2	Co.	bigger the fruit, the farther the distance.			
	. 7	Gummosis,	<b>↓ Lamon butterfly</b> - Spray monocrotophos			
		citrus Canker,	@0.04% @1.2 ml/lt of water.			
	()	Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5			
		Dieback, Lamon	ml/lit of water) at each flush emergence.			
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin			
		leaf minor	@0.6 g/lt of water.			
PLANTATION CROP						
COFFEE	Blooming	# SAIHA				
	stage		spell occur it lead to Floral			
			abnormalities like "Star Flower" in			
Arabica and "Pink Flower" in Robusta.						
2   P a g e						

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	MAMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHNIF	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  4 Start planting newly established place.  4 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.  4 Basin clearing of all plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when</li> </ul>
	}	376	they become 3-4 months old.  Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	F. 1010000000000000000000000000000000000		
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fortilizer for better growth</li> </ul>
Jhum Rice	Germination stage	SERCHH	fertilizer for better growth.  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.
	3	LUNGLEI	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		C N	

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0) (	<b>♣</b> According to forecast probability of
us crop			rain will be moderate and temperature
•	1	1	will be less, so drainage should be
		3	maintain around the field properly.
	1	V	♣ Provide split doses of urea (70g/pt) at
	1	KOLASIB	the time of full blooming
	1	En S	
	1	7	cent or malathion 0.15 per cent
	)		suspension containing sugar or
	)	5	jeggery at 10 g/l at fortnightly
	1		intervals at flowering and fruit
	3		initiation against fruit fly and
	J. MAUNIT	1 )	pumpkin beetle.
Chilli	Vegetative to	Z AIZAWL Z	+ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	) }	will be less, so drainage should be
	1	8 6 7	maintain around the field properly.
	1		<b>4</b> Earthing up soil for better growth and
	2 6		stability in root zone.
	1)		Don't use split dose of any nitrogenous fertilizer for better growth.
		SERCHN	If possible use straw mulch/ grass
	1	V	mulch in row to prevent moisture loss
			and better growth of plant.
	- 4	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	1		or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3	H1975 H197	fortnightly intervals at flowering and fruit
0	774-4-4	200	initiation.
Cowpea	Vegetative	7 7	According to forecast probability of rain will be moderate and temperature will
	stage		be less, so drainage should be maintain
	(	( 5 20 )	around the field properly.
			Larthing up soil for better growth and
		-3	stability in root zone.
			Don't use split dose of any nitrogenous
		LAWNGTLAN	fertilizer for better growth.
Okra	Vegetative	# SAIHA	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
		200	around the field properly.
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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> </ul>
	3		♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	UF THE	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive Respiratory	à
	3	Syndrome (PRRS).	5
Cattle	All age group	LAWNGTLAL	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.  Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed  1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection

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Poultry	All age group	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.  Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed.  Provide glucose/electral along with
	MAMIT	AIZAWL	vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.  Vaccination as per the schedule with proper consultation with vet.  Day old chick: HVT Marek disease vaccine, 4-7 days:— F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.  Remove wet litter.
FISHERY			+ Remove wet litter.
FIGHERI	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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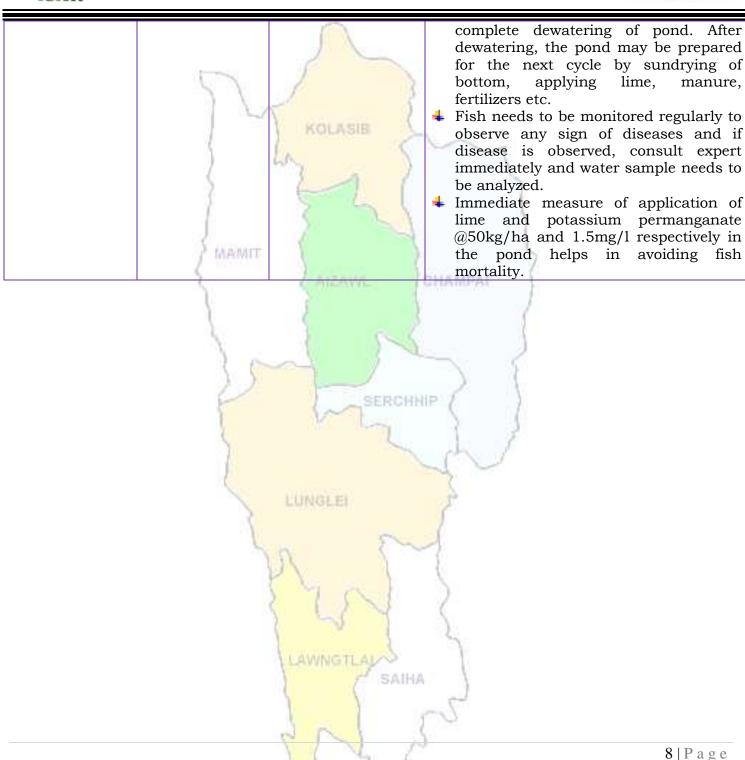


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SAIHA

LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Kolasib Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/Mizo

	2. J.	P	3.0		
Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	13	12	14	12	41
Max Temp (°C)	34	34	33	32	32
Min Temp (°C)	18	18	17	17	17
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	100	99	100	99	100
Min RH (%)	57	41	56	48	66
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis) zawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 m

Aizawl- 496.0 mm Champhai- 273.3 mm (185.6 mm) (119.4 mm)

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Kolasib- 334.8 mm (213.6 mm)

Lawngtlai-157.2 mm (101.5 mm)

Lunglei- 336.4 mm (117.6 mm)

Mamit-388.3 mm (236.2 mm)

Serchhip-158.4 mm (214.2 mm)

Weather summary of the past three days 26<sup>th</sup> May – 30<sup>th</sup> May, 2018 chhunga sik leh sa dinhmun tur tlangpui

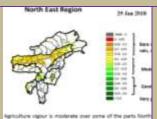
Date of issue: 25th May, 2018

Maximum Tem. (°C):27-30°C Minimum Tem. (°C):20-21°C Maximum RH (%):94-100% Minimum RH (%):64-78% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-34°C a ni ang a. A vawh lai ber in 17-18°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 41-66% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 14.9 mm

#### Weekly cumulative rainfall: 92.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	A levi atanga	J	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL )	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	}	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 17. in in 1 in
Rabi Maize	A chin hun	7 ( )	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	Į.		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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	5		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	TIMMAT (		Muongohang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
1011140	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D1 O-1-	D114		tur ani .
Early Cole	Black spot disease	-4	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	ursease.		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

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### ICAR RESEARCH COMPLEX FOR NEH REGION

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

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

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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3. 1	1		an chaw eitur thlak sak thut loh tur
		V V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	2	7		a puitlingh chuan R2B vaccine pek tur
	)			ani.
	1	5 6	_	B complex with antibodies
		4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or
	300000			coccidiostat
	T INFONT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	A ATZAWIL	CH	AMPAL
	Monitoring	3	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	5		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 15		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		*	Sangha chaw hi a hmuar lohna turin
		SERCHN	(q)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	(			thin, aflatoxin avang a sangha thi lak
			-	atangin sangha a him phah thin.
	100		5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	100	AMERICAN STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		5	4	Sangha te natna lak atangin an him em
		1	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		100	6	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LI MANUETT AL S		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	)
			Prin	7
		1 2		2
		6	100	

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SAIHA

LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Lawngtlai Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/English

	1. 1	P	5		
Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	10	15	19	10	21
Max Temp (°C)	30	33	31	31	31
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	97	99	96	96	96
Min RH (%)	55	39	42	45	54
Wind Speed (KmpH)	0	2	2	2	2
*Wind Direction	S-E	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)

Weather summary of the past three days

Maximum Tem. (°C):28-30°C

Minimum Tem. (°C):15-18°C Maximum RH (%):96-99%

Minimum RH (%):61-72%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Rainfall: 08.4 mm

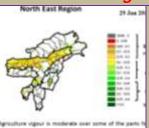
Weather forecast valid from 26<sup>th</sup>May, 2018 To 30<sup>th</sup> May, 2018.

Date of issue: 25th May, 2018

There are chances of moderate rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 22-23°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 39-55%. Wind direction would be southeasterly to easterly with the wind speed of 0-2 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 75.0 mm

**NDVI for Mizoram** 



Mildly dry condition occurs in all districts of Mizoram.

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## ICAR RESEARCH COMPLEX FOR NEH REGION

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Animal   Fisheries     FRUITS CROPS	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
RHASI MANDARIN AND ACID LIME STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field property.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		_	practices/ Pest/	husbandry advisories		
Nursery and gap filling stage   Nursery and gap filling stage	/Fisheries		Diseases			
MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PUM AND PUM AND PUM AND PEACH  PUM AND	FRUITS CROPS					
MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PEACH  PLUM AND PEACH  AMIT PEACH  PLUM AND PEACH  Application of split dose of fertilizer 600: 200:100 (g/pt).  Application of split dose of fertilizer 600: 200:100 (g/pt).  Application of water in beds should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Currus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAHM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	KHASI	Nursery and	e" 1	According to forecast probability of rain will		
STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  STAR FRUIT  Composition of water in beds should be solved at any time; however, pre-monsoon is the best time for transplant or gap filling.  STAR STRUIT  Composition of the composit	MANDARIN	1 Thought	Council (			
FLIME  STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  FIGURE  FIGURE  PLUM AND PEACH  FIGURE  PLUM AND PEACH  FIGURE  PLUM AND PEACH  FIGURE  FIG			NVILHOID!	so drainage should be maintain around the		
PLUM AND PEACH  PUM AND PEACH  PUM AND PEACH  PLUM AND PEACH  PUM AND PEACH  PUM AND PEACH  Potting mixture of soil, sand and FYM or componention of water in beds should be used.  Stagnation of water in beds should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Lamon butterfly- Spray monocrotophos  @0.04% @1.2 ml/lt of water.  Lamon butterfly- Spray monocrotophos  @0.04% @1.2 ml/lt of water.  Lamon butterfly- Spray monocrotophos  @0.04% @1.2 ml/lt of water.  Lamon butterfly- Spray monocrotophos  @0.04% @1.2 ml/lt of water.  Lamon butterfly- Spray monocrotophos  @0.04% @1.2 ml/lt of water.  Lamon butterfly- Spray monocrotophos  @0.04% @1.2 ml/lt of water.  Lamon butterfly- Spray monocrotophos  @0.04% @1.2 ml/lt o		Stage	LA A			
PLUM AND PEACH    The composition of the compositio		(	3 4 6	<b>By seeds:</b> Seed should be sown in the		
PLUM AND PEACH  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	STAR FRUIT	7		nursery immediately after extraction in		
PLUM AND PEACH  in secondary bed or polythene bags at 4-6 leaf stages. Potting mixture of soil, sand and FYM or compost should be in proper ratio. Application of split dose of fertilizer 600: 200:100 (g/ pt). Only certified seed should be used. Stagnation of water in beds should be avoided. In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling. Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1	7	to a depth 1.5 to 2 cm extraction at		
6 leaf stages.  4 Potting mixture of soil, sand and FYM or compost should be in proper ratio.  4 Application of split dose of fertilizer 600: 200:100 (g/pt).  4 Only certified seed should be used.  5 Stagnation of water in beds should be avoided.  4 In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  5 Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  6 Cummosis, citrus Granker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  7 Lamon butterfly- Spray monocrotophos @1.01 for water.  8 Lamon butterfly- Spray monocrotophos ml/lit of water.  9 Lamon butterfly- Spray monocrotophos ml/lit of water.  9 Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  1 Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  1 Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  1 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				10x5 cm distance. Seedlings are planted		
PEACH  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly Spray monocrotophos (@0.04% @1.2 ml/lt of water).  PLANTATION CROP  COFFEE Blooming stage  SAIM If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	PLUM AND	S CARLOTTE		in secondary bed or polythene bags at 4-		
compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAINA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	PEACH	J INFOVILL				
Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  PLANTATION CROP  COFFEE Blooming stage  SAIM If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		7.	Z ATZAVVIL			
200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			2			
Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage    Only certified seed should be used.		1	7			
**Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lti of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  PLANTATION CROP  COFFEE Blooming stage  **If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		16	1 6.7			
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citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Leaf minor  Well 2 ml/lit of water.  Leaf minor  Well 2 ml/lit of water.  Leaf minor  Citrus Canker  Leaf minor  Leaf minor  Well 2 ml/lit of water.  Leaf minor  Well 2 ml/lit o		<u></u>	Gummosis			
Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.						
Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Stage  Blooming stage  Arabica and "Pink Flower" in Robusta.				<b>↓ Leaf minor-</b> Spray confidor 0.05% (0.5		
Leaf minor   Leaf minor   Citrus Canker- Apply bacterimycin @0.6 g/lt of water.    PLANTATION CROP						
PLANTATION CROP  COFFEE Blooming stage  SAHM   If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				<b>Citrus Canker-</b> Apply bacterimycin		
COFFEE  Blooming stage  SAHA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				@0.6 g/lt of water.		
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	PLANTATION CROP					
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	COFFEE	Blooming	F SAIHA	<b>↓</b> If day temperature and prolong dry		
abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				spell occur it lead to Floral		
210000			18	Arabica and "Pink Flower" in Robusta.		
			1/1/	2   P a g e		

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	MAMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage		According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  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.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when</li> </ul>
	}	376	they become 3-4 months old.  Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	F. 1010000000000000000000000000000000000		
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	SERCHH	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
	3	LUNGLEI	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		C N	

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		♣ According to forecast probability of
us crop			rain will be moderate and temperature
_	( )	6	will be less, so drainage should be
	) \	3	maintain around the field properly.
		Variation (	♣ Provide split doses of urea (70g/pt) at
	1	KOLASIB	the time of full blooming
	)	A.	♣ In large gardens apply carbaryl 0.2 per
	(	3 4 /	cent or malathion 0.15 per cent
	7		suspension containing sugar or
	1	2	jeggery at 10 g/l at fortnightly
	. J		intervals at flowering and fruit
	2 MAMIT		initiation against fruit fly and
Chilli	Vegetative to		pumpkin beetle.  4 According to forecast probability of
Ciliii	flowering	( ATZAWIL	rain will be moderate and temperature
		1	will be less, so drainage should be
	stage	(	maintain around the field properly.
	1	1 1	Larthing up soil for better growth and
	) 6		stability in root zone.
	100		♣ Don't use split dose of any nitrogenous
		SERCHN	fertilizer for better growth.
		~	♣ If possible use straw mulch/ grass
	1		mulch in row to prevent moisture loss
	)		and better growth of plant.
	136	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
		Milliones	containing sugar or jeggery at 10 g/1 at
		LUNGLEI	fortnightly intervals at flowering and fruit
	1		initiation.
Cowpea	Vegetative 📗	- Em	According to forecast probability of rain
	stage	11	will be moderate and temperature will
	1	P Var and I	be less, so drainage should be maintain
	į.		around the field properly.
	ľ	) F3 J	Larthing up soil for better growth and
			stability in root zone.
		LAWNGTLAN	Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative	# SAIHA	♣ According to forecast probability of rain
OAIG	stage		will be moderate and temperature will
	Stage		be less, so drainage should be maintain
		20	around the field properly.
		112	5   Page

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		-	* D (1) * 10 1 1 1
			Larthing up soil for better growth and
			stability in root zone.
			♣ Don't use split dose of any nitrogenous
		2	fertilizer for better growth.
Colocasia	Sowing stage		→ Planting is done well prepared land or
	The state of	V comment	pits filled up with FYM (12-15) t/ha
	J.	KOLASIB	Sprouted corms or cormels are planted
	1	En.	5-7 deep at a spacing of 40-50 cm
	1	7	between and within rows in the pits.
	)		♣ Inorganic fertilizer like Urea, SSP and
	)	Similar	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		
Pig	All stages		♣ Animals must keep in dry place or
	MAMIT	3	kept in alleviated area and dry bedding
	5	LAIZAWL I	(straw) to be provided to young
	1	Communication 1	animals.
	1	j )	↓ 1st injection at 6 months of age and
	1		2nd injection at 12 months of age
	1	1 1/4	followed by annual vaccination under
	) 6		vet supervision against FMD.
	1		Reduce concentrate diet up to 5%.
		SERCHN	Provide adequate potable water.
		(~	
	V.		vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	7
		Respiratory	2
	3	Syndrome (PRRS).	
Cattle	All age group	esc.	≠ In present weather conditions, special
	-	17 ( ~	care should be taken against attack of
	)		maggots in the wounds of animals.
	)	( by 20 )	Application of turpentine oil in the
			wounds followed by application of
		-5	antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		LAWNGTLAN	feed
		SAIHA	♣ Provide 10-30 ml of vitamin B-Complex
		( SAITH	in feed
		1	⁴ 1st injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
		6 6	VI

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	5	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	<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> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	1	all a	+ Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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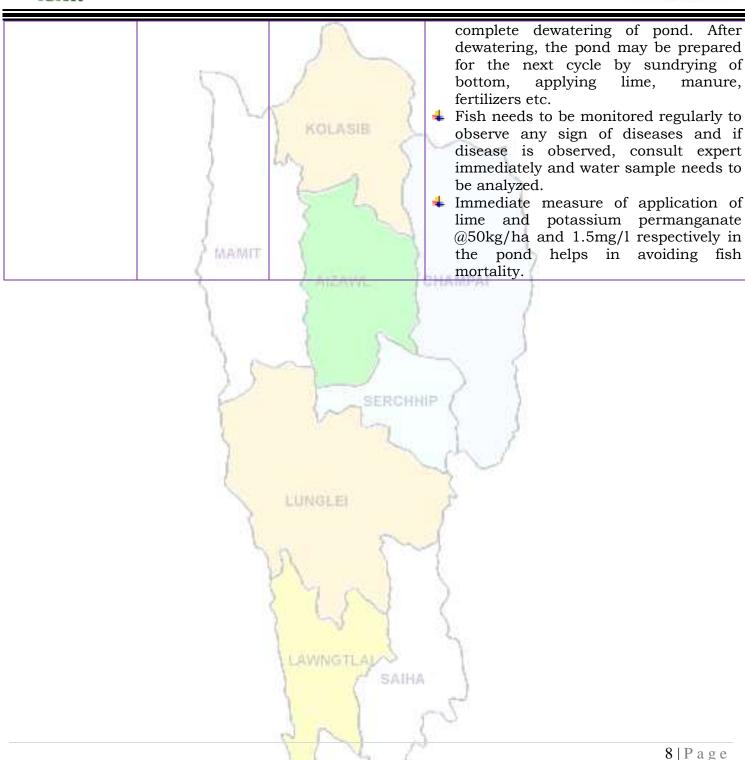


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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/Mizo

	1.0	P	1		
Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	10	15	19	10	21
Max Temp (°C)	30	33	31	31	31
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	97	99	96	96	96
Min RH (%)	55	39	42	45	54
Wind Speed (KmpH)	0	2	2	2	2
*Wind Direction	S-E	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm

Champhai- 273.3 mm

Saiha- 140.6 mm

Kolasib- 334.8 mm

(185.6 mm)Lawngtlai-157.2 mm (119.4 mm)

(109.8 mm)Mamit-388.3 mm

(213.6 mm)Serchhip-158.4 mm

(101.5 mm)

Lunglei- 336.4 mm (117.6 mm)

(236.2 mm)

Weather summary of the past three days

(214.2 mm)

Maximum Tem. (°C):28-30°C

Minimum Tem. (°C):15-18°C Maximum RH (%):96-99%

Minimum RH (%):61-72% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Rainfall: 08.4 mm

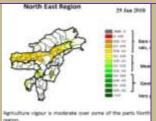
26<sup>th</sup> May - 30<sup>th</sup> May, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 25th May, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin of 96-99% leh a hniam lai berin 39-55% ni tur a rin niin. Thli hi darkar khatah 0-2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 75.0mm

**NDVI** for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/ Animal	Stage	Cultural	Agricultural / Horticultural / animal
		practices/ Pest/ Diseases	husbandry advisories
/Fisheries FRUITS CROPS		Diseases	
KHASI	A levi atamea	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	1	A.	4 Thlai naupang deuah chuan chawlh
	(	3 4 /	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
	1	3 21	theihna turin a hmunhma a hnim awm
STAR FRUIT		/	te thlawhfai thin tur ani.  4 A seng hma kar 6 chhung chu tui tha
SIAK FRUII	MAMIT		taka pek hian a rah tla tur chelh nan
	5	AIZAWL I	leh a rah than that nan te leh a rah
PLUM AND	1	Constitue.	keh tur lakah t a veng thei ani.
PEACH	1	) )	
	1	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
	1 (	greening and	a trangah te hnawih tur ani.
	1)	Dieback	Huan zau takah chuan a par tan tirh leh a
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu
	(		heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	PA1802-FEE	Nursery stage
		yes,	+ Thlai chi thlak hma in Azospirillum leh
	4	11	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		( 19 24 )	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		-2	buhpawla khuh tur ani.
			♣ Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		# SAIHA	ani.
			♣ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1	

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## ICAR RESEARCH COMPLEX FOR NEH REGION

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



		100	Homzosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	1 1	C R	♣ A rah hmin tha lo ho chu nuai sawm
	) \	20	hmain an thliar hrang leh vek thin ani.
	La La	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	( )	♣ Hmaih neih nuaih loh tur ani.
	)	wy )	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1	ani.
	(	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	-	1	paih fai vek tur ani.
	]	20	4 A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	/ MAMIT	A 7	Hmun dam lutukah dah loh tur.
	5	AIZAWL I	+ Boruak tha taka a hmuh theih nan leh a
	1	The state of the s	rawn chawr no theih nan thlai chu uluk
	1	5	tak a hlawi tur ani.
	1	5	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	100	EC @ 340 ml/200 lit emaw lamda
	1	V 3 M	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		6.00	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.  Bordeaux mixture 0.5% in February -
	J.		March (Pre-bloom) a kah phawt a,
		Marine and Control	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND F	OIII SE CDODS		monsoon an kan cimunzawin tur am.
Rabi Maize	A chin hun	- 22	♣ Vaimim chinna tur atan lei kan let
Kabi Maize	A CHIH HUH	17	
			phut darh anga.  Hei hian a rawn to chhuah na tur atan
		Car See F	
		2 1 3 3	a pui dawn a ni.
		)	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		A second	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	0 -0 116/114 101 4 0111 0111411 111 4 041111
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		m 12 (	t/ha leh 80:60:40 kg N, $P_2O_5$ leh
		VVV	3   Page

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	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	LAIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	V Lan	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3		hmunah chuan natna an kai hma bik ani.
	1	500	Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Powler Cala	Die als swat		tur ani .
Early Cole	Black spot disease	20 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	arsease		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum tawii

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3. 1	1		an chaw eitur thlak sak thut loh tur
		V V		ani.
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	1	7		a puitlingh chuan R2B vaccine pek tur
	)		١	ani.
	)	5 6		B complex with antibodies
		4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or
	X			coccidiostat
	T MAGNIT	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	A ATZAWIL	CH	AMPAL
	Monitoring	5	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 15		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		+	Sangha chaw hi a hmuar lohna turin
		SERCHH	(q)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	1	AND AND STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	100	phoro, chinai phul, leitha hman leh tul
	3		- )	dang in dil buatsaih tur ani.
		500	1	Sangha te natna lak atangin an him em
		11	1	tih enfiah fo a tha a, natna hmuh anih
	1		1	chuan mithiam te rawn vat a, diltui
	1	135 6	- 83	enfiah vat tur ani.
	1	1 F3 A	4	A ranglam a chinai @50kg/ha leh
		1		tuisen @1.5mg/l diltui a hman hian
		A commence of the second		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	1
				T-
			1	ý
		6 1 1 1	1	

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SAIHA

LAWNGTLAL

CHAMPAI

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Lunglei Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/English

Date of issue: 25th May, 2018

		,			
Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	11	9	6	8	19
Max Temp (°C)	31	31	30	30	30
Min Temp (°C)	22	22	21	21	21
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	96	99	99	98	98
Min RH (%)	57	42	59	45	55
Wind Speed (KmpH)	3	2	3	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):26-29°C Minimum Tem. (°C):15-19°C

Maximum RH (%):95-99%

Minimum RH (%):61-74%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

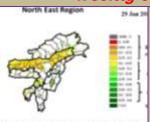
Rainfall: 09.1 mm

Weather forecast valid from 26<sup>th</sup>May, 2018 To 30<sup>th</sup> May, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 21-18°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 42-59%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 53.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Animal / Fisheries   Diseases   D	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
KHASI MANDARIN AND ACID LIME STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field property.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly. Spray monocrotophos multerfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			practices/ Pest/	
Nursery and gap filling stage   STAR FRUIT	/Fisheries		Diseases	
Nursery and gap filling stage   STAR FRUIT	FRUITS CROPS			
MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PEACH  PLUM AND PLUM AND PEACH PEACH PAPH PEACH PAPH PEACH PAPH PACH PAPH PAPH PAPH PAPH PAPH P	KHASI	Nursery and	e' 1	According to forecast probability of rain will
STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  STAR FRUIT  Composition  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Stage  So drainage should be maintain around the field propertly.  So drainage should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @1.2	MANDARIN	The state of the s	Veninem (	
Field properly.  # By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  # Potting mixture of soil, sand and FYM or compost should be in proper ratio.  # Application of split dose of fertilizer 600: 200:100 (g/pt).  # Only certified seed should be used.  # Stagnation of water in beds should be avoided.  # In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  # Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  # Cummosis citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  # Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water).  # Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water).  # If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			NULHOID	
PLUM AND PEACH  POTHING mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water)  PLANTATION CROP  COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		stage	A	
PLUM AND PEACH  PLUM AND PEACH  NAMIT  It to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 [g/pt].  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		(	1 4 /	<b>By seeds:</b> Seed should be sown in the
PLUM AND PEACH  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAHA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	STAR FRUIT	7		nursery immediately after extraction in
PLUM AND PEACH  In secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAHA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1	2	to a depth 1.5 to 2 cm extraction at
6 leaf stages.  4 Potting mixture of soil, sand and FYM or compost should be in proper ratio.  4 Application of split dose of fertilizer 600: 200:100 (g/pt).  4 Only certified seed should be used.  5 Stagnation of water in beds should be avoided.  4 In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  5 Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  6 Cummosis, citrus greening, Dieback, Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  7 Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  8 Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  9 Lamon butterfly- Spray monocrotophos (@0.06 g/lt of water.)  9 Lamon butterfly- Spray monocrotophos (@0.06 g/lt of water.)  9 Lamon butterfly- Spray monocrotophos (@0.06 g/lt of water.)  1 Lamon butterfly- Spray monocrotophos (@0.06 g/lt of water.)  1 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  1 Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  2 Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  3 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  4 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  4 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  4 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butterfly- Spray monocrotophos (@0.05 g/lt of water.)  5 Lamon butter				10x5 cm distance. Seedlings are planted
PEACH  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly Spray monocrotophos (@0.04% (@1.2 ml/lt of water).  Leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	<b>PLUM AND</b>	S ware		in secondary bed or polythene bags at 4-
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## Coffee Blooming stage    200:100 (g/pt).			3	1 1
# Only certified seed should be used.    Stagnation of water in beds should be avoided.   In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.   Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.    Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor   Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.   Lamon butterfly- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.   Lamon butterfly- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.   Citrus Canker- Apply bacterimycin @0.6 g/lt of water.    PLANTATION CROP   COFFEE   Blooming stage   Lamon butterfly spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1	1	
**Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly Spray monocrotophos @0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lti of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  PLANTATION CROP  COFFEE Blooming stage  **If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		46	1 6.7	
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Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.    Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly Spray monocrotophos @0.04% @1.2 ml/lt of water.    Leaf minor		(		
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bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Bloom		3	THE ACCUPATION OF THE PARTY OF	
Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  Figure 1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Figure 2. ml/lit of water and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		64/	yes,	
citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Stage  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  Leaf minor  Citrus Canker- Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Flower in Arabica and "Pink Flower" in Robusta.		-	Gummosis.	
Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				
Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		(		- ·
butterfly and leaf minor  COFFEE  Blooming stage  Blooming stage  Lift day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				ml/lit of water) at each flush emergence.
PLANTATION CROP  COFFEE  Blooming stage  SAIM   If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			butterfly and	11 5
COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			leaf minor	@0.6 g/lt of water.
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	PLANTATION CR	OP		
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	COFFEE	Blooming	SAIHA	
abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		stage	(	spell occur it lead to Floral
61912				
21Page			N R .	Arabica and "Pink Flower" in Robusta.
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## 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>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>♣ The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHN	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  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.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAN	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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-		• Detailed of the desired			
	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when they become 3-4 months old.</li> <li>♣ Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.</li> </ul>			
CEREALS AND PULSE CROPS					
Vegetative stage	AIZAVIL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>			
Germination stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>			
VEGETABLE CROP					
Sowing stage	LAWNGTLAL	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time</li> </ul>			
	Vegetative stage  Germination stage	PULSE CROPS Vegetative stage  Germination stage			

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0) (	♣ According to forecast probability of
us crop			rain will be moderate and temperature
•	1	/	will be less, so drainage should be
		3	maintain around the field properly.
		V comment of	♣ Provide split doses of urea (70g/pt) at
	1	KOLASIB	the time of full blooming
	1	LA S	♣ In large gardens apply carbaryl 0.2 per
	1	7	cent or malathion 0.15 per cent
	>		suspension containing sugar or
	)	5	jeggery at 10 g/l at fortnightly
	1		intervals at flowering and fruit
	3		initiation against fruit fly and
	J. MAGNIT	(	pumpkin beetle.
Chilli	Vegetative to	Z AIZAWL	+ According to forecast probability of
	flowering	Your Committee of	rain will be moderate and temperature
	stage	)	will be less, so drainage should be
	1	6 6 /	maintain around the field properly.
			<b>4</b> Earthing up soil for better growth and
	1		stability in root zone.
	1)		Don't use split dose of any nitrogenous fertilizer for better growth.
		SERCHH	If possible use straw mulch/ grass
	1	V	mulch in row to prevent moisture loss
			and better growth of plant.
	- 4	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3		fortnightly intervals at flowering and fruit
0	No madadima	Z <sup>H</sup> C	initiation.
Cowpea	Vegetative	77	According to forecast probability of rain will be moderate and temperature will
	stage		be less, so drainage should be maintain
	()	( by see )	around the field properly.
			♣ Earthing up soil for better growth and
		-3	stability in root zone.
			♣ Don't use split dose of any nitrogenous
		LAWNGTLAU	fertilizer for better growth.
Okra	Vegetative	# SAIHA	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
		NA	around the field properly.
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		-	+ T
			Larthing up soil for better growth and
			stability in root zone.
			♣ Don't use split dose of any nitrogenous
		2	fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
	The state of	V comment	pits filled up with FYM (12-15) t/ha
	J.	KOLASIB	♣ Sprouted corms or cormels are planted
	1	En.	5-7 deep at a spacing of 40-50 cm
	1	7	between and within rows in the pits.
	)		♣ Inorganic fertilizer like Urea, SSP and
	)	Similar	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		
Pig	All stages		♣ Animals must keep in dry place or
	MAMIT	1	kept in alleviated area and dry bedding
	5	LAIZAWL I	(straw) to be provided to young
	1	Communication 1	animals.
	1	j )	↓ 1 <sup>st</sup> injection at 6 months of age and
	1		2nd injection at 12 months of age
	1	1 1 1	followed by annual vaccination under
	) 6		vet supervision against FMD.
	1		Reduce concentrate diet up to 5%.
		SERCHN	Provide adequate potable water.
		(~	♣ In present weather conditions
	V.		vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	13
	3	Syndrome (PRRS).	
Cattle	All age group	200	♣ In present weather conditions, special
		77	care should be taken against attack of
		3	maggots in the wounds of animals.
	l l	( by se )	Application of turpentine oil in the
			wounds followed by application of
	l l	-5	antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		LAWNGTLAN	feed
		SAIHA	♣ Provide 10-30 ml of vitamin B-Complex
		SAINA	in feed
			⁴ 1st injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
	•	6	

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	5	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	vaccine, 4-7 days:— F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY	130		Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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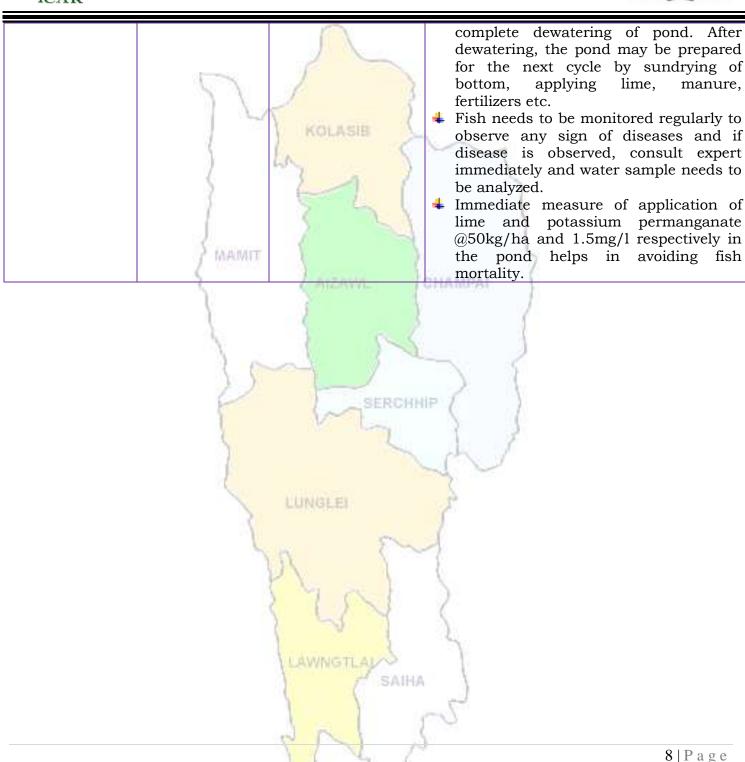


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CHAMPAI

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



**District:** Lunglei Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/Mizo

Date of issue: 25th May, 2018

Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	11	9	6	8	19
Max Temp (°C)	31	31	30	30	30
Min Temp (°C)	22	22	21	21	21
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	96	99	99	98	98
Min RH (%)	57	42	59	45	55
Wind Speed (KmpH)	3	2	3	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm (119.4 mm)

Saiha- 140.6 mm (109.8 mm) Kolasib- 334.8 mm (213.6 mm)

(185.6 mm)Lawngtlai-157.2 mm

Lunglei- 336.4 mm

(117.6 mm)

Mamit-388.3 mm (236.2 mm)

Serchhip-158.4 mm (214.2 mm)

Weather summary of the past three days

(101.5 mm)

26<sup>th</sup> May - 30<sup>th</sup> May, 2018 chhunga sik leh sa dinhmun tur tlangpui

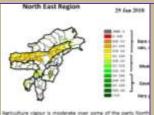
Maximum Tem. (°C):26-29°C Minimum Tem. (°C):15-19°C Maximum RH (%):95-99% Minimum RH (%):61-74% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 21-180C ni tura beisei a ni. RH san lai berin 96-99% leh a hniam lai berin 42-59% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 53.0mm

**NDVI** for Mizoram

Rainfall: 09.1 mm



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	A levi atanga	J	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL )	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	}	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 17. in in 1 in
Rabi Maize	A chin hun	7 ( )	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
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	5		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	TIMMAT (		Muongohang laying also ship no tur
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
1011140	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D1 O-1-	D114		tur ani .
Early Cole	Black spot disease	-4	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	ursease.		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			<b>Likhlum</b> lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

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

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

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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3. 1	1		an chaw eitur thlak sak thut loh tur
		V V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	2	7		a puitlingh chuan R2B vaccine pek tur
	)			ani.
	1	5 6	_	B complex with antibodies
		4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or
	300000			coccidiostat
	T INFONT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	A ATZAWIL	CH	AMPAL
	Monitoring	3	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	5		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		*	Sangha chaw hi a hmuar lohna turin
		SERCHN	(q)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	(			thin, aflatoxin avang a sangha thi lak
			-	atangin sangha a him phah thin.
	100		5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	100	AMERICAN STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		5	4	Sangha te natna lak atangin an him em
		1	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		100	6	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LI NUMBER AL S		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	)
			Prin	7
		1 2		2
		6	100	

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District: Mamit Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/English

Date of issue: 25th May, 2018

Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	11	9	6	8	19
Max Temp (°C)	31	31	30	30	30
Min Temp (°C)	22	22	21	21	21
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	96	99	99	98	98
Min RH (%)	57	42	59	45	55
Wind Speed (KmpH)	3	2	3	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)
Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):18-19°C

Maximum RH (%):94-100%

Minimum RH (%):62-74%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

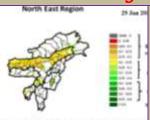
Rainfall: 07.3 mm

Weather forecast valid from 26<sup>th</sup>May, 2018 To 30<sup>th</sup> May, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 21-22°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 42-59%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 53.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	_	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	<" 5	According to forecast probability of rain will
<b>MANDARIN</b>	gap filling	KOLASIB	be moderate and temperature will be less,
AND ACID	stage		so drainage should be maintain around the
LIME	J	an s	field properly.
COAD EDILO	(	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	3	Company Company	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at
DI IIM AND	J		10x5 cm distance. Seedlings are planted
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-
PEACH	V. 10200000	100000	6 leaf stages.  Potting mixture of soil, sand and FYM or
	1	( AIZAWIL )	compost should be in proper ratio.
	1	j i	♣ Application of split dose of fertilizer 600:
	\ \frac{1}{2}	(	200:100 (g/pt).
	1	1 1/5	♣ Only certified seed should be used.
	) 6		♣ Stagnation of water in beds should be
	1		avoided.
		SERCHI	■ In the citrus belt, trees can be planted
	1		at any time; however, pre-monsoon is
	1		the best time for transplant or gap
			filling.
	J.		♣ Standard-size trees should be spaced 12
		A CHARLES THE CONTROL OF THE CONTROL	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly</b> - Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>4 Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	SAIHA	
	stage	1	spell occur it lead to Floral
			abnormalities like "Star Flower" in
		00	Arabica and "Pink Flower" in Robusta.
		1141	2   P a g e

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	MAIMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHH	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  4 Start planting newly established place.  4 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.  4 Basin clearing of all plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLALS	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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4 | P a g e

Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when</li> </ul>
	}	376	they become 3-4 months old.  Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	F. 1.1		
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	SERCHH	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
	3	LUNGLEI	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		C N	

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			month and 25% at flowering stage.						
Cucurbitaceo	Fruiting stage	0) (	<b>♣</b> According to forecast probability of						
us crop			rain will be moderate and temperature						
_	( )	1	will be less, so drainage should be						
	1 /	3	maintain around the field properly.  Provide split doses of urea (70g/pt) at						
	1	V comment of							
	J.	KOLASIB	the time of full blooming						
	1	La S	☐ In large gardens apply carbaryl 0.2 per						
	/	7 2	cent or malathion 0.15 per cent						
	7		suspension containing sugar or						
	1	7	jeggery at 10 g/l at fortnightly						
			intervals at flowering and fruit						
	Same		initiation against fruit fly and						
	/ MAMIT	1	pumpkin beetle.						
Chilli	Vegetative to	LAIZAWL I	+ According to forecast probability of						
	flowering	2	rain will be moderate and temperature						
	stage	1	will be less, so drainage should be						
	1	3 66	maintain around the field properly.  Larthing up soil for better growth and						
	1		stability in root zone.						
	1		Don't use split dose of any nitrogenous						
	1	- Company	fertilizer for better growth.						
		SERCHN	☐ If possible use straw mulch/ grass						
	V V	No.	mulch in row to prevent moisture loss						
			and better growth of plant.						
	149	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent						
	110		or malathion 0.15 per cent suspension						
		LUNGLEI	containing sugar or jeggery at 10 g/l at						
	3		fortnightly intervals at flowering and fruit initiation.						
Cowpea	Vegetative	500	According to forecast probability of rain						
	stage	11	will be moderate and temperature will						
	senge		be less, so drainage should be maintain						
	1	100	around the field properly.						
	1	( F3 A	<b>♣</b> Earthing up soil for better growth and						
		1	stability in root zone.						
		A commence of the	♣ Don't use split dose of any nitrogenous						
		LAWNGTLAN	fertilizer for better growth.						
Okra	Vegetative	SAIHA	4 According to forecast probability of rain						
	stage		will be moderate and temperature will						
		1 2 1	be less, so drainage should be maintain around the field properly.						
		6							
		1	5   P a g e						

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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>
	(	5006	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	1	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive Respiratory	2
	3	Syndrome (PRRS).	7
Cattle	All age group	LAWNGTLAL	<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>♣ 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>

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	5	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWA	<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> <li>Vaccination as per the schedule with proper consultation with vet.</li> </ul>
FISHERY		and the second	Temove wet neter.
	Monitoring of fish in pond	LAWNGTLAU SAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>
		114	7   Page

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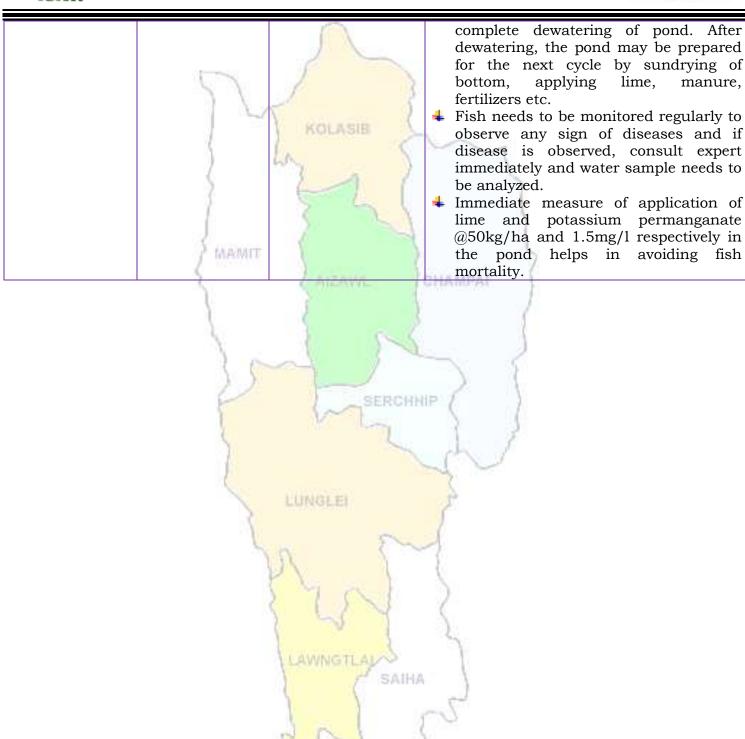
#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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District: Mamit Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/Mizo

		P	4		
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Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) wawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm (101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

Weather summary of the past three days

26<sup>th</sup> May – 30<sup>th</sup> May, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo

Date of issue: 25th May, 2018

Maximum Tem. (°C):28-30°C
Minimum Tem. (°C):18-19°C
Maximum RH (%):94-100%
Minimum RH (%):62-74%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2 km/hr

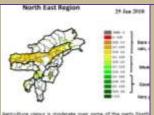
tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A (%):94-100% (%):62-74% hi: Southeasterly artially clear km/hr tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 42-59% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

hian khawthiang tak hmuh beisei a ni.

Rainfall: 07.3 mm

#### Weekly cumulative rainfall: 53.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Homzosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	1. 1	6 3	♣ A rah hmin tha lo ho chu nuai sawm
	) \		hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	4	V.	♣ Hmaih neih nuaih loh tur ani.
	)	GD y	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	(		♣ Seng bang zawng zawng chu uluka taka
		2	paih fai vek tur ani.
		27	♣ A thlai vennan a rah tlai ho chu paih vek
	S average		tur ani.
	MAMIT	1	🖶 Hmun dam lutukah dah loh tur.
	5	LAIZAWL I	👃 Boruak tha taka a hmuh theih nan leh a
	1	Commence 1	rawn chawr no theih nan thlai chu uluk
	1	1	tak a hlawi tur ani.
	1	5	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 5	EC @ 340 ml/200 lit emaw lamda
	1	V V	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1		⁴ In leh loa sawngbawln a a ro dan tur
	11		tawkah chuan: Arabica / robusta
	1	SERCHN	
	1	V~	robusta cherry 11.0 %.
	(	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		100	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALS AND DU	CE CDODG	TO SECTION STATE OF THE SECTIO	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PUL		200	1 17.1
Rabi Maize	A chin hun 🤍	7	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		1 6	♣ A chi chu kan lei leh saah chuan kan
			dah ang.
		land and the second	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		/ SAIHA	
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		m 2 1	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
			3   Page

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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Sambas v. v.	5		<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	TIMMAN (		Margarahana lawing ala ahin na tau
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		<b>↓</b> Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		7 5	tur ani .
Early Cole	Black spot	20	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zavilali dali tal alli.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam
	) [	3	chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	\$	201	♣ Thlai bul vawn hnawn nana thlai bula
	1	5 5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
			♣ Thlai chhina hmun (nursery) hi hnim a
	MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	10000000	1	tui liter 1 zelah pawlh a kah hi a tha
	1	( AIZAWL	hle ani.
	\	Phytopthora	A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight	(Apron)/ kg seed hi a tha hle ani
	1		Hneh taka 1% Bordeaux chawhpawlh
	1 6		emaw 2 g captan emaw 3 copper
	1)		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	Tui pek a hnihnah hringa khuh tur ani
Tronon boan	bowing stage	V	a. than a that theih nan tui pek hma
			in lei rin pan hmasak tur ani.
			4 A than duna theih nan leh hnim to loh
		Unit the extra	na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		A than a that theih nan nikhat danah tui pek thin tur ani.
radish		w 85m	Tui pek thin tui ani.  Tui pek hnuah thlai bul vawn hnawn
		17	na tur siam tur ani.
	1	P Va sa V	Likhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
	ľ	-5	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	0 0
			Mancozeb @ 2gm ah tui leter 1
		1	pawlha kah tur ani.
		m De l	

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	} meomit	4 <sup>th</sup> weeks	+	Coccidiosis- Amprolium or coccidiostat
	7 1000000	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	15	( AIZAWIL	CHI	AMPAI }
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
				2

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SAIHA

LAWNGTLAL

CHAMPAI

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**Parameters** Rainfall (mm)

Min RH (%)

Max Temp (°C)

Min Temp (°C)

### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Saiha Period: 26 May - 30 May, 2018

27.05.2018

9

31

22

Bulletin No: - 793/2018/ Bulletin/English

26.05.2018

11

31

22

28.05.2018	29.05.2018	30.05.2018
6	8	19
30	30	30
21	21	21
Partially clear	Partially clear	Mainly cloudy

Date of issue: 25th May, 2018

Cloud Coverage Partially clear Partially clear Max RH (%) 96 99 99 98 98 42 57 59 45 55 Wind Speed (KmpH) 3 2 3 2 \*Wind Direction S-E S-E S-E S-E S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm)(213.6 mm)(119.4 mm)(109.8 mm)Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm)(236.2 mm)(117.6 mm)(214.2 mm)

#### Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):15-17°C

Maximum RH (%):96-99%

Minimum RH (%):64-75% Wind Direction: Southeasterly

Cloud cover: Partially clear

Wind speed: 2 km/hr

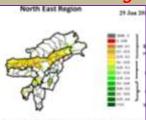
Rainfall: 08.3 mm

#### Weather forecast valid from 26th May, 2018 To 30th May, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 21-22°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 42-59%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 53.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Nursery and	e" 1	According to forecast probability of rain will		
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,		
AND ACID	stage	NULHOID	so drainage should be maintain around the		
LIME	Stage	AA AA	field properly.		
	(	3 4 6	<b>By seeds:</b> Seed should be sown in the		
STAR FRUIT	7		nursery immediately after extraction in		
	/	3	to a depth 1.5 to 2 cm extraction at		
	]		10x5 cm distance. Seedlings are planted		
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-		
PEACH	T INFOVILLE		6 leaf stages.		
	3	/ AIZAWL /	→ Potting mixture of soil, sand and FYM or		
	1	200	compost should be in proper ratio.		
	1	(	♣ Application of split dose of fertilizer 600:		
	4	1 RG	200:100 (g/pt).		
	1		4 Only certified seed should be used.		
			♣ Stagnation of water in beds should be		
	1		avoided.		
		SERCH	I In the citrus belt, trees can be planted		
	-	Y Language	at any time; however, pre-monsoon is the best time for transplant or gap		
	-		filling.		
	4		Standard-size trees should be spaced 12		
			to 25 feet apart and dwarf trees should		
		LUNGLEI	be set 6 to 10 feet apart. The exact		
	3	HARLEST HERSTERN I	distance depends on the variety. The		
	1	enco.	bigger the fruit, the farther the distance.		
	1	Gummosis,	<b>↓ Lamon butterfly</b> - Spray monocrotophos		
		citrus Canker,	@0.04% @1.2 ml/lt of water.		
		Citrus greening,	<b>Leaf minor-</b> Spray confidor 0.05% (0.5		
		Dieback, Lamon	ml/lit of water) at each flush emergence.		
		butterfly and	<b>4 Citrus Canker-</b> Apply bacterimycin		
		leaf minor	@0.6 g/lt of water.		
PLANTATION CR					
COFFEE	Blooming	# SAIHA			
	stage	1	spell occur it lead to Floral		
	_		abnormalities like "Star Flower" in		
Arabica and "Pink Flower" in Robusta.					
		1/1/	2   P a g e		

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	MAMIT	KOLASIB	<ul> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>♣ The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHH	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  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.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Maize (Jhum)  Vegetative stage  (Jhum)  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  VEGETABLE CROP  Ginger and turmeric  Rhizome should be treated with Thiram @4 g/kg seed.  Use optimum seed rate (50-60 kg/ha) for desire plant population.  Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one	Passion Fruit	Nursery stage	KOLASIB	<ul> <li>Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>The seedlings are planted in field when they become 3-4 months old.</li> <li>Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.</li> </ul>
will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Learthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  VEGETABLE CROP  Ginger and turmeric  Rhizome should be treated with Thiram @4 g/kg seed.  Use optimum seed rate (50-60 kg/ha) for desire plant population.  Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one				A a a sudio a ta fana a a ta a a a a la
# According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  # Earthing up soil for better growth and stability in root zone.  # Use split dose of any nitrogenous fertilizer for better growth.  * Rhizome should be treated with Thiram @4 g/kg seed.  # Use optimum seed rate (50-60 kg/ha) for desire plant population.  # Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P2O5 and K2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one			AIZAWL	will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous
stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  VEGETABLE CROP  Ginger and turmeric  Rhizome should be treated with Thiram @4 g/kg seed.  Use optimum seed rate (50-60 kg/ha) for desire plant population.  Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one	Jhum Rice		Washing to the second	♣ According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.
Ginger and turmeric  Rhizome should be treated with Thiram @4 g/kg seed.  Use optimum seed rate (50-60 kg/ha) for desire plant population.  Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one		}	LUNGLEI	stability in root zone.  Use split dose of any nitrogenous
# Use optimum seed rate (50-60 kg/ha) for desire plant population.  # Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one		OP		
410	_	Sowing stage		<ul> <li>@4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time</li> </ul>
ΔΙΡάσΑ			THE P	4   P a g e

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0) (	<b>♣</b> According to forecast probability of
us crop	(Ferminal CC)	-	rain will be moderate and temperature
•		1	will be less, so drainage should be
		2	maintain around the field properly.
	1	1	♣ Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	1	Fa S	♣ In large gardens apply carbaryl 0.2 per
	1	7	cent or malathion 0.15 per cent
	)		suspension containing sugar or
	)	5	jeggery at 10 g/l at fortnightly
	1	5	intervals at flowering and fruit
	2		initiation against fruit fly and
	J MADNIT	)	pumpkin beetle.
Chilli	Vegetative to	LAIZAWL I	♣ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	) )	will be less, so drainage should be
	4.5	6 7	maintain around the field properly.
	1		<b>4</b> Earthing up soil for better growth and
	1 6		stability in root zone.
	1)		Don't use split dose of any nitrogenous
	-	SERCHN	fertilizer for better growth.
	1	V	If possible use straw mulch/ grass mulch in row to prevent moisture loss
			and better growth of plant.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		Fruit ily	or malathion 0.15 per cent suspension
		A CORNEY CO.	containing sugar or jeggery at 10 g/l at
		LUNGLEI	fortnightly intervals at flowering and fruit
			initiation.
Cowpea	Vegetative \	n Em	According to forecast probability of rain
	stage	11	will be moderate and temperature will
	(		be less, so drainage should be maintain
	į.		around the field properly.
	1	) F3 X	Larthing up soil for better growth and
		1	stability in root zone.
		LAWNGTLANS	Don't use split dose of any nitrogenous
01	Vogototi	THE CALLY	fertilizer for better growth.
Okra	Vegetative	( SAITA	♣ According to forecast probability of rain will be moderate and temperature will
	stage		be less, so drainage should be maintain
		1 2 1	around the field properly.
		D N	
			5   P a g e

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		-	+ D (1) 11 C 1 (1) 11 1		
			Larthing up soil for better growth and		
			stability in root zone.		
		5	♣ Don't use split dose of any nitrogenous		
		/	fertilizer for better growth.		
Colocasia	Sowing stage		♣ Planting is done well prepared land or		
	The state of	V comment	pits filled up with FYM (12-15) t/ha		
	J.	KOLASIB	♣ Sprouted corms or cormels are planted		
	1	En.	5-7 deep at a spacing of 40-50 cm		
	1	7	between and within rows in the pits.		
	)		♣ Inorganic fertilizer like Urea, SSP and		
	)	5	MOP @ 220: 375: 134 kg.		
ANIMAL HUSBENDARY					
Pig	All stages		♣ Animals must keep in dry place or		
	MAMIT	3	kept in alleviated area and dry bedding		
	5	LAIZAWL I	(straw) to be provided to young		
	1	Communication 1	animals.		
	1	5	↓ 1 <sup>st</sup> injection at 6 months of age and		
	A.S.		2nd injection at 12 months of age		
	1		followed by annual vaccination under		
	) 6		vet supervision against FMD.		
	1		Reduce concentrate diet up to 5%.		
		SERCHN	Provide adequate potable water.		
		1	♣ In         present         weather         conditions		
	V		vaccinate against swine fever (Vaccines		
			available in State Veterinary Departs)		
		Porcine	1. Culling of positive pigs or piglets.		
		Reproductive			
		Respiratory	2		
	3	Syndrome (PRRS).			
Cattle	All age group	Co.	♣ In present weather conditions, special		
	. 7	17 ( ~	care should be taken against attack of		
	)		maggots in the wounds of animals.		
	(	( 19 20 )	Application of turpentine oil in the		
			wounds followed by application of		
		35	antibiotics for five days is advised.		
			♣ Provide UMB/Molases if possible in the		
		LAWNGTLAN	feed		
		SAIHA	♣ Provide 10-30 ml of vitamin B-Complex		
		( ( )	in feed		
			<sup>4</sup> 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd		
			injection after 6 months of 1st injection		
		67	VI		

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followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.	
<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> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>Remove wet litter.</li> </ul>	Poultry All age group
7 2002010 110021	FISHERY
Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to av  oid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by	Monitoring of fish in pond
Fish harvesting may be carried  7	

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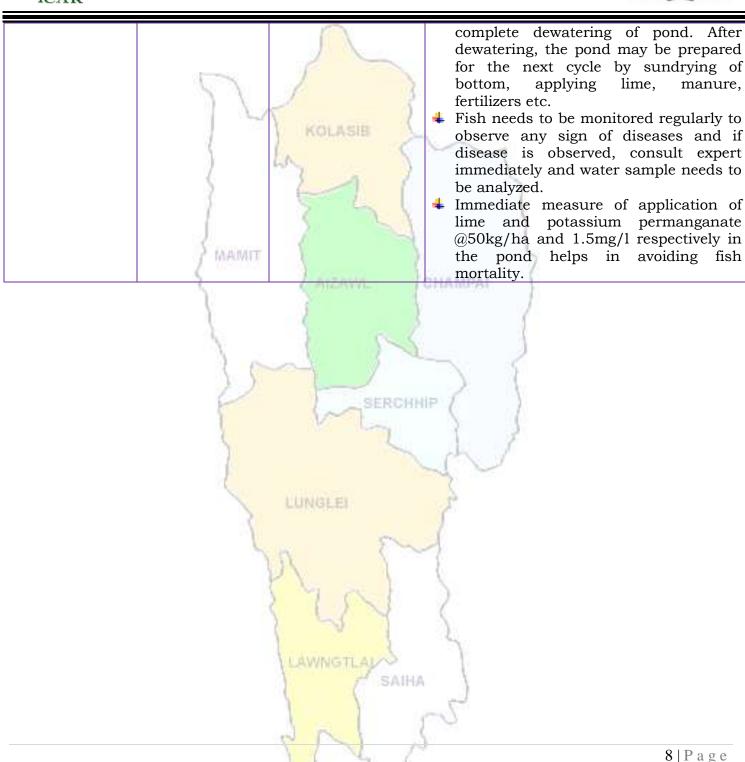


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SAIHA

LAWNGTLAL

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District: Saiha Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/Mizo

Date of issue: 25th May, 2018

Parameters         26.05.2018         27.05.2018         28.05.2018         29.05.2018         30.05.2018           Rainfall (mm)         11         9         6         8         19           Max Temp (°C)         31         31         30         30         30           Min Temp (°C)         22         22         21         21         21         21           Cloud Coverage         Partially clear         Partially clear         Partially clear         Partially clear         Mainly cloudy           Max RH (%)         96         99         99         98         98           Min RH (%)         57         42         59         45         55           Wind Speed (KmpH)         3         2         3         2         2           *Wind Direction         S-E         S-E         S-E         S-E						
Max Temp (°C)         31         31         30         30         30           Min Temp (°C)         22         22         21         21         21           Cloud Coverage         Partially clear         Partially clear         Partially clear         Partially clear         Partially clear         Mainly cloudy           Max RH (%)         96         99         99         98         98           Min RH (%)         57         42         59         45         55           Wind Speed (KmpH)         3         2         3         2         2	Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Min Temp (°C)         22         22         21         21         21         21           Cloud Coverage         Partially clear         Partially clear         Partially clear         Partially clear         Partially clear         Mainly cloudy           Max RH (%)         96         99         99         98         98           Min RH (%)         57         42         59         45         55           Wind Speed (KmpH)         3         2         3         2         2	Rainfall (mm)	11	9	6	8	19
Cloud Coverage         Partially clear         Partially clear         Partially clear         Partially clear         Mainly cloudy           Max RH (%)         96         99         99         98         98           Min RH (%)         57         42         59         45         55           Wind Speed (KmpH)         3         2         3         2         2	Max Temp (°C)	31	31	30	30	30
Max RH (%)         96         99         99         98         98           Min RH (%)         57         42         59         45         55           Wind Speed (KmpH)         3         2         3         2         2	Min Temp (°C)	22	22	21	21	21
Min RH (%)         57         42         59         45         55           Wind Speed (KmpH)         3         2         3         2         2	Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Wind Speed (KmpH)         3         2         3         2         2	Max RH (%)	96	99	99	98	98
	Min RH (%)	57	42	59	45	55
*Wind Direction S-E S-E S-E S-E	Wind Speed (KmpH)	3	2	3	2	2
	*Wind Direction	S-E	S-E	S-E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm

Champhai- 273.3 mm

Saiha- 140.6 mm

Kolasib- 334.8 mm

(185.6 mm) Lawngtlai-157.2 mm

(119.4 mm) Lunglei- 336.4 mm (109.8 mm) Mamit-388.3 mm (213.6 mm) Serchhip-158.4 mm

(101.5 mm)

(117.6 mm)

(236.2 mm)

(214.2 mm)

Weather summary of the past three days

26<sup>th</sup> May – 30<sup>th</sup> May, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-28°C
Minimum Tem. (°C):15-17°C
Maximum RH (%):96-99%
Minimum RH (%):64-75%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin of 96-99% leh a hniam lai berin 42-59% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

...... speca. = ....., ...

Rainfall: 08.3 mm

Weekly cumulative rainfall: 53.0mm

NDVI for Mizoram

North East Region 35 day 36 to 18 to

Mildly dry condition occurs in all districts of Mizoram.

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leaven and	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		111	3   P a g e

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	5		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongohang laying alu ahin na tun
Potato	Sowing stage	LAIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	V Lan	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	TOTAL THREE I	hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Fouler Colo	Dioal- sest		tur ani .  4 A than a that theih nan nikhat danah
Early Cole crop	Black spot disease	-4	tui pek thin tur ani.
Стор	uiscasc		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

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

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

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7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
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	11104154105	60°y		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	8			ani.
	3	San Land	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2	/	_	coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	5	1 0 WCCRS	CHI	Calcium tome fortified with B <sub>12</sub>
FISHERI	125 11 11	Conserva-	341.11	
	Monitoring	)	*	Sangha te hi chaw a hmuar kai lo
	(Sangha	2 2 1		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	) (			a phoro phawt tur ani.
	10)		-	Sangha chaw hi a hmuar lohna turin
		SERCH	(IP)	hmun ro leh uap lutuk lo ah dahthat
		V~1		tur ani a, hmuar atang a tur lo inseam
	No.			thin, aflatoxin avang a sangha thi lak
		1		atangin sangha a him phah thin.
			-	Dil sah kang veka sangha man thin
		Unit Charles		hian a kumleh a sangha khawinan a dil
		LUNGLEI	(9)	buatsaih a ti awlsam a, dil mawng
	3		9	phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		111	17	tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
	1	1 7 6		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
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		Language and the second		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	A.	<u> </u>
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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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\*Wind Direction

### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



S-E

**District: Serchhip** Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/English

S-W

	2. A.	P	(		
Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	20	11	14	18	11
Max Temp (°C)	23	23	22	22	22
Min Temp (°C)	14	14	13	13	13
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	100	98	99	99	100
Min RH (%)	54	49	47	45	49
Wind Speed (KmpH)	2	2	2	2	2

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 273.3 mm Saiha- 140.6 mm Aizawl- 496.0 mm Kolasib- 334.8 mm

(185.6 mm)(213.6 mm)(119.4 mm)(109.8 mm)Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm)(236.2 mm)(117.6 mm)(214.2 mm)

#### Weather summary of the past three days

Maximum Tem. (°C):28-30°C

Minimum Tem. (°C):17-20°C Maximum RH (%):96-100%

Minimum RH (%):62-78%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

Rainfall: 11.2 mm

Weather forecast valid from 26th May, 2018 To 30th May, 2018.

S-E

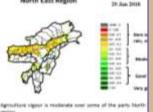
Date of issue: 25th May, 2018

S-E

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 23-23°C and 13-14°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 45-54%. Wind direction would be southwesterly to southerly and southeasterly with the wind speed of 2 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 74.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Animal / Fisheries   Practices / Pest / Diseases   According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field property.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  PLUM AND PEACH  PLUM AND PEACH  STAR FRUIT  Only certified seed should be used.  STAR STAR STAR STAR STAR STAR STAR STAR	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Nursery and gap filling stage   According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.    By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.   Potting mixture of soil, sand and FYM or compost should be in proper ratio.	<del>-</del>			
RHASI MANDARIN AND ACID LIME STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  Research  PLUM AND PEACH  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Porting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly spray monocrotophos mutterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Porting mixture of soil, sand and FYM or compost should be used.  Stagnation of water in beds should be specad 12 to 25 feet apart and dwarf trees should be seed to 10 10 feet apart.  Lamo butterfly. Spray monocrotophos on the varie	/Fisheries			
MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PLUM AND PLUM AND PEACH  PLUM AND PLUM AND PEACH  PLUM AND PLUM	*			
STAR FRUIT  STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  MAMIT  PLUM AND PEACH  STAR FRUIT  Composition  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLOM COFFEE  Blooming Stage  So drainage should be maintain around the field properly.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @1.2 mi/lit of water.  Lamon butterfly. Spray monocrotophos @1.2 mi/lit of water.  Lamon butterfly. Spray monocro	KHASI	Nursery and	e 1	According to forecast probability of rain will
STAR FRUIT  STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  STAR FRUIT  Composits Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Stage  So drainage should be maintain around the field properly.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/ pt).  Only certified seed should be used.  Standard-size trees abould be savoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker, citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.06 g/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.06 g/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.06 g/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.06 g/lt of water.  Leaf minor- Spray confidor of water.  Leaf minor- Spray confidor of water.  Leaf minor- Spray confidor of water.  Leaf m	MANDARIN	Thought .	KOLASIB	be moderate and temperature will be less,
FLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  FIGURE  PLUM AND PEACH  FIGURE  PLUM AND PEACH  FIGURE  FIGURE  PLUM AND PEACH  FIGURE  FIGURE	AND ACID		1	so drainage should be maintain around the
PLUM AND PEACH  PLUM AND PEACH			(A)	
PLUM AND PEACH  PLUM AND PEACH  NAMIT  To a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	CMAD DDIIIM	(	1 1	•
PLUM AND PEACH  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  4 Potting mixture of soil, sand and FYM or compost should be in proper ratio.  4 Application of split dose of fertilizer 600: 200:100 (g/pt).  5 Only certified seed should be used.  5 Stagnation of water in beds should be avoided.  4 In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  5 Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  5 Citrus Canker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos (0.04% @1.2 ml/lt of water.  5 Lamon butterfly- Spray monocrotophos (0.04% @1.2 ml/lt of water.  6 Lamon butterfly- Spray confidor 0.05% (0.5 ml/lit of water.  6 Lamon butterfly- Spray confidor 0.05% (0.5 ml/lit of water.  7 Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water.  8 Lamon butterfly- Spray monocrotophos (0.6 g/lt of water.  9 Lantation CROP  COFFEE  Blooming stage  1 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	STAR FRUIT	3	The same of the sa	
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filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIHA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				at any time; however, pre-monsoon is
Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.    Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.    Leaf minor		1		the best time for transplant or gap
to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.    Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor   Leaf mi				
be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAMM I day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		()		
distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Stage  distance depends on the variety. The bigger the fruit, the farther the distance.  Lamon butterfly Spray monocrotophos @0.04% @1.2 ml/lit of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Lift day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1	MEMBERS	
bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Blooming stage Bloom			LUNGLEI	
Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAHA  * If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1		
citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  Leaf minor  Citrus Canker- Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Flower in Arabica and "Pink Flower" in Robusta.			0	<u> </u>
Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				• • • •
Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE Blooming stage  Stage  Blooming stage  Arabica and "Pink Flower" in Robusta.		1		
butterfly and leaf minor  COFFEE  Blooming stage  **If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		į		1 0
PLANTATION CROP  COFFEE Blooming stage				, ,
PLANTATION CROP  COFFEE  Blooming stage  stage  SAIHA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	PLANTATION CR	OP		-
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	COFFEE	Blooming	SAIHA	<b>♣</b> If day temperature and prolong dry
abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				spell occur it lead to Floral
21Dage			20	Arabica and "Pink Flower" in Robusta.
			VV A	2   P a g e

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	MAMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHN	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  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.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when they become 3-4 months old.</li> <li>♣ Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.</li> </ul>
CEREALS AND		1	According to forest the little of the little
Maize ( <i>Jhum</i> )	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAN	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>

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			month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	KOLASIB	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and</li> </ul>
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>pumpkin beetle.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> </ul>
	1	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	LAWNGTLAN	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	SAIHA	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  5   Page

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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> </ul>
	3	See L	♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	Ji.	Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory	2
	)	Syndrome (PRRS).	7
Cattle	All age group	LAWNGTLAUSAIHA	<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>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>

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Poultry	All age group	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.  Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed.
	MAMIT	AIZAWL	vaccine, 4-7 days:— F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
	3	maran-mini)	Remove wet litter.
FISHERY		5	
	Monitoring of fish in pond	LAWNGTLAL	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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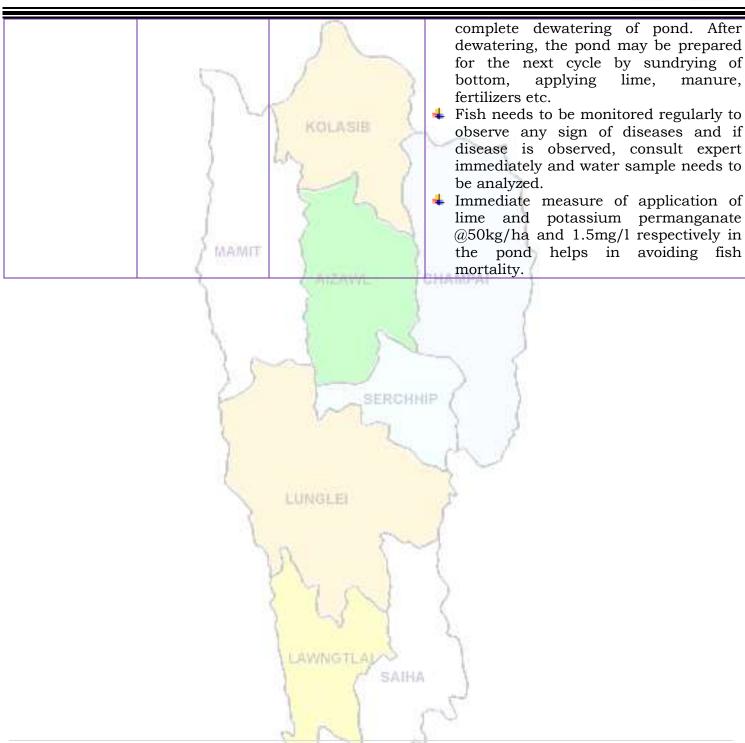
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SAIHA

LAWNGTLAL

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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District: Serchhip Period: 26 May - 30 May, 2018

Bulletin No: - 793/2018/ Bulletin/Mizo

Date of issue: 25th May, 2018

Parameters	26.05.2018	27.05.2018	28.05.2018	29.05.2018	30.05.2018
Rainfall (mm)	20	11	14	18	11
Max Temp (°C)	23	23	22	22	22
Min Temp (°C)	14	14	13	13	13
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	100	98	99	99	100
Min RH (%)	54	49	47	45	49
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-W	S	S-E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

Weather summary of the past three days

26<sup>th</sup> May – 30<sup>th</sup> May, 2018 chhunga sik leh sa dinhmun tur tlangpui

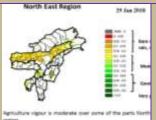
Maximum Tem. (°C):28-30°C
Minimum Tem. (°C):17-20°C
Maximum RH (%):96-100%
Minimum RH (%):62-78%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 23-23°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 45-54% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 11.2 mm

#### Weekly cumulative rainfall: 74.0mm

**NDVI** for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga a seng hun	KOLASIB	Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.
)	Wy a	♣ Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
}	54	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
\$ MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
}	3	keh tur lakah t a veng thei ani.
35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
All stages	LAWNGTLAUSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP  All stages

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	n to	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	LAIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3		hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Powler Cala	Die als sweet		tur ani .
Early Cole	Black spot disease	-4	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	arsease		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum tawii

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	()		1-6 ah F1 vaccine pek tur ani a, chuan
	1110454105	my )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	)			ani.
	1	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL I	CH	AMPAI (
_	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	CIIRAWI			a phoro phawt tur ani.
	No. C		4	Sangha chaw hi a hmuar lohna turin
	1)	The same of the sa		hmun ro leh uap lutuk lo ah dahthat
		SERCH	gP.	tur ani a, hmuar atang a tur lo inseam
	l l	V Lang		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	4		+	Dil sah kang veka sangha man thin
	1			hian a kumleh a sangha khawinan a dil
		LUNGLEI	50	buatsaih a ti awlsam a, dil mawng
	3	THE PROPERTY OF THE PARTY OF TH	1	phoro, chinai phul, leitha hman leh tul
		000		dang in dil buatsaih tur ani.
		17	1	Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		19 8		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		30		tuisen @1.5mg/l diltui a hman hian
		Variation of the second		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	A.	
				7
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