

Parameters

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

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)



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S-W

District: Aizawl Period: 23 June - 27 June, 2018

24.06.2018

17

31

14

Mainly cloudy

98

65

4

S-E

Bulletin No: - 801/2018/ Bulletin/English

23.06.2018

16

30

14

Mainly cloudy

98

52

4

S-E

V.		
25.06.2018	26.06.2018	27.06.2018
17	10	16
31	32	32
13	13	14
Mainly cloudy	Mainly cloudy	Mainly cloudy
100	100	100

55

3

Date of issue: 22nd June, 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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm) (250.30mm) (87.2mm) (380.9mm)

Weather summary of the past three days

Maximum Tem. (°C):28-29°C

Minimum Tem. (°C):18-20°C Maximum RH (%):84-92%

Minimum RH (%):71-79%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.62 km/hr

Rainfall: 4.3 mm

June, 2018.

There are chances of moderate rainfall during the next 5

55

4

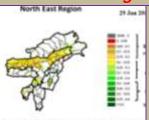
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There are chances of moderate rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-32°C and 13-14°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 52-65%. Wind direction would be southeasterly to southerly and southwesterly with the wind speed of 2-4 km per hour. Manly cloudy sky will prevail during the next five days.

Weather forecast valid from 23rdJune, 2018 To 27th

Weekly cumulative rainfall: 76.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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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 less	
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so	
AND ACID	stage	The state of the s	maintain soil moisture in the field properly.	
LIME		(A)	By seeds: Seed should be sown in the	
CMAD DDIIM	(1 1	nursery immediately after extraction in	
STAR FRUIT	3	The same of the sa	to a depth 1.5 to 2 cm extraction at	
	- f		10x5 cm distance. Seedlings are planted	
DI IIM AND	J	11	in secondary bed or polythene bags at 4-	
PLUM AND	MAMIT		6 leaf stages. Water must b provide every alternate days.	
PEACH	(man)	100000	♣ Potting mixture of soil, sand and FYM or	
	1	(AIZAWL	compost should be in proper ratio.	
	1	5	♣ Application of split dose of fertilizer 600:	
	1		200:100 (g/pt).	
	1	1 1/5	♣ Only certified seed should be used.	
	2 0		♣ 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	
	1		the best time for transplant or gap	
	1		filling.	
			♣ Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should	
	1	LUNGLEI	be set 6 to 10 feet apart. The exact	
	3	######################################	distance depends on the variety. The	
	100	250	bigger the fruit, the farther the distance.	
	. 7	Gummosis,	↓ Lamon butterfly - 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	Citrus Canker - Apply bacterimycin	
DI ANDAMION CO	0.00	leaf minor	@0.6 g/lt of water.	
PLANTATION CR			If day tomporative and prolong de-	
COFFEE	Blooming	# SAIHA	♣ If day temperature and prolong dry spell occur it lead to Floral	
	stage		abnormalities like "Star Flower" in	
		1 = 1	Arabica and "Pink Flower" in Robusta.	
		6 1		
2 P a g e				

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	MAMIT	KOLASIB	 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	Saleston.	According to forecast probability of less rain and temperature will be high, so
	1) (4)	maintain soil moisture in the field properly.
	1	1 3 4	♣ Start planting newly established place.
	15		♣ 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be
	1		apply at time of planting to each pit as basal dose application.
	1		Provide irrigation every alternative day.
			♣ Basin clearing of all plant.
			Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly
Oil plam	Vegetative/		established orchard. According to forecast probability of less
On plain	Harvesting	n Em	rain and temperature will be high, so
	stage	7	maintain soil moisture in the field
		(4 20)	properly
			♣ 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be
		1	and 225 gill rock phosphate should be apply at time of planting to each pit as
		Linuage trans	basal dose application.
		LAWNGTLAN	♣ Provide irrigation every alternate day or
		(SAINA	use straw mulch.
			Basin clearing of all plant.
		2 1	Rain cap can use for tapping plant
		114	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings.
	MAMIT	AIZAVA.	 A cutting should contain at least 3 buds and must be planted in sand beds. 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. Provide irrigation every alternate day or
	J.	SERCHH	use straw mulch. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is
CEREALS AND I	PILSE CROPS		use straw mulen.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and
		M	stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAN	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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		KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination.
Jhum Rice	Vegetative stage	AIZAWL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CRO	Sowing stage	BERCHIN	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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	7	KOLASIB	use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	SERCHNIF	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent
Cowpea	Vegetative	LUNGLEI	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. 4 According to forecast probability of less
_	stage	M	 rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.

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			Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	KOLASIB	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
	1	Respiratory	Ch J
		Syndrome (PRRS).	
Cattle	All age group	LUNGLEI	 ♣ 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 followed by annual vaccination under vet supervision.
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MAMIT AIZAWL	 Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and
SERC	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	Telliove wet litter.
Monitoring of fish in pond	 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 complete dewatering of pond. After dewatering, the pond may be prepared

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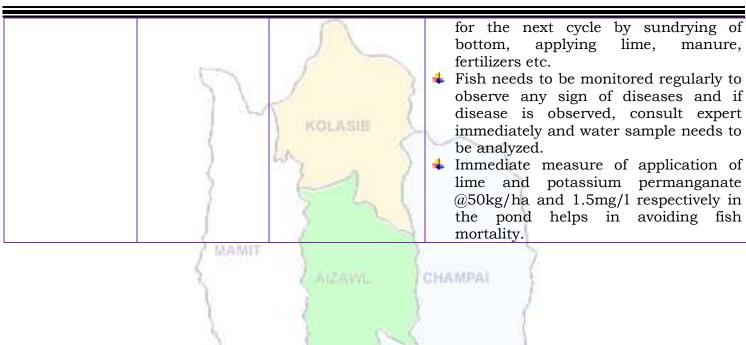


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LUNGLE

LAWNGTLA

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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S-W

District: Aizawl Period: 23 June - 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

S-E

	0.00	P	3.0		
Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	16	17	17	10	16
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	98	98	100	100	100
Min RH (%)	52	65	55	55	54
Wind Speed (KmpH)	4	4	4	3	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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

S-E

(341.8mm) (250.30mm) (87.2mm) (380.9mm) vngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm

Weather summary of the past three days

23rd June – 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):28-29°C
Minimum Tem. (°C):18-20°C
Maximum RH (%):84-92%
Minimum RH (%):71-79%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 3.62 km/hr

Rainfall: 4.3 mm

*Wind Direction

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°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 52-65%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.

Weekly cumulative rainfall: 76.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 22nd June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	A levi atanga	20	♣ 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. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAIMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	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
	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	ani.
	5	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	- J		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
	3.	Z ATZAVVL	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 second	♣ 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 ₂ O ₅ leh
		VIV	3 P a g e

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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. 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 .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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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)



	5	KOLASIE	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. 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.
	1	Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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	±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} memit	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	7. 000000	4-5 th Weeks		Calcium tonic fortified with B ₁₂
(S	Ionitoring Sangha nkawl)	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.
		SAIHA		2)

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SAIHA

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)



District: Champhai Period: 23 June - 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/English

Date of issue: 22nd June, 2018

Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	11	19	18	19	11
Max Temp (°C)	27	27	27	28	28
Min Temp (°C)	14	13	13	14	14
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	100	100	100
Min RH (%)	52	58	53	55	61
Wind Speed (KmpH)	3	3	3	2	0
*Wind Direction	S-E	S-E	S	S	S-W

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

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

(341.8mm) (250.30mm) (87.2mm) (380.9mm)
Lawngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm

(285.5mm) (186.21mm) (442.80mm) (259.8mm)

Weather summary of the past three days

Maximum Tem. (°C):29-31°C Minimum Tem. (°C):18-20°C

Maximum RH (%):82-95%

Minimum RH (%):65-73%

Wind Direction: Southeasterly Cloud cover: Partially cloudy Wind speed: 3.85 km/hr

wind speed: 3.85 km/i

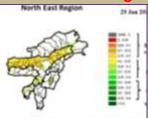
Rainfall: 5.5 mm

Weather forecast valid from 23rdJune, 2018 To 27th June, 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 27-28°C and 13-14°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 52-61%. Wind direction would be southeasterly to southerly and southwesterly with the wind speed of 0-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 78.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Animal / Fisheries FRUITS CROPS KHASI MANDARIN AND ACID LIME STAR FRUIT PLUM AND PEACH PLUM AND PEACH Corporate Action and temperature will be high, so maintain soil moisture in the field properly. By seeds: Seed should be sown in the nursery immediately after extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. Water must b provide every alternate days. 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. Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor PLANTATION CROP COFFEE Blooming stage Stand From 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. Water must b provide every alternate days. 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. 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), a teach flush emergence. Citrus Canker. Citrus Canker. Citrus Canker. Apply bacterimycin abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Nursery and gap filling stage	-	3.00		
RHASI MANDARIN AND ACID LIME STAR FRUIT PLUM AND PEACH PLUM AND PEACH Research Res				
MANDACID LIME STAR FRUIT PLUM AND PEACH PUM AND PEACH PUM				
MANDACID LIME STAR FRUIT PLUM AND PEACH PLOW AND PEACH PLUM AND PEACH PUM AND PEACH PUM AND PEACH 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. Stagnation of water in beds should be avoided. Stagnation of water in beds should be avoided. Stagnation of water in beds should be used. Stagnation of water in beds should be avoided. Stagnation of water in beds should be avoided. Stagnation of water in beds should be avoided. Stagnation of water in beds should be aveid 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	KHASI	Nursery and	e 1	According to forecast probability of less
## STAR FRUIT STAR FRUIT PLUM AND PEACH PLUM AND PEACH PLUM AND PEACH **PLUM AND PEACH** **PLUM AND PEACH** PLUM AND PEACH **PLUM AND PEACH** **PUM AND PEACH** **PLUM AND PEACH** **PUM AN	MANDARIN	Thought and the second	KOLASIB	rain and temperature will be high, so
STAR FRUIT PLUM AND PEACH PUM AND PUM AND PEACH PUM AND PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM And Pum Caster Pum And P	AND ACID		The state of the s	maintain soil moisture in the field properly.
PLUM AND PEACH The stages are planted in secondary bed or polythene bags at 4-6 leaf stages. Water must b provide every alternate days. 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 (20.04% (21.2 ml)/lt of water. Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Citrus Canker, Apply bacterimycin (20.6 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.			(A)	-
PLUM AND PEACH PLUM AND PEACH PLUM AND PEACH PLUM AND PEACH PEACH PLUM AND PEACH	CMAD DDIIM	(1 1	
PLUM AND PEACH In secondary bed or polythene bags at 4-6 leaf stages. Water must b provide every alternate days. 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. Lamon butterfly- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Lamon butterfly and leaf minor 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.	STAR FRUIT	3	1	± 1
FLUM AND PEACH 6 leaf stages. Water must b provide every alternate days. 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. 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 Lamon butterfly- Spray monocrotophos (0.04% @1.2 ml/lit of water). 7 Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. 8 Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. 9 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.		f.		_
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** 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- Spray confidor 0.05% (0.5 ml/lt of water) at each flush emergence. ** Citrus Canker- Apply bacterimycin @0.6 g/lt of water. **PLANTATION CROP** ** If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1	1 150	
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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 All All All All All All All All All Al			LUNGLEI	•
Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor COFFEE Blooming stage Arabica and "Pink Flower" in Robusta.		1		-
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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.				• 1 0
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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.		į		
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PLANTATION CROP COFFEE Blooming stage 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.				
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	♣ If day temperature and prolong dry
abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		_		spell occur it lead to Floral
21Page			20	Arabica and "Pink Flower" in Robusta.
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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	MAMIT	KOLASIB	 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	Saletine	According to forecast probability of less rain and temperature will be high, so
	1	1 0 1	maintain soil moisture in the field
	- /		properly. Start planting newly established place.
			4 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be
		- SERONN	apply at time of planting to each pit as
	(basal dose application.
			Provide irrigation every alternative day.Basin clearing of all plant.
	1		Rain cap can use for tapping plant
		LUNGLEI	♣ Start intercropping in newly
			established orchard.
Oil plam	Vegetative/	5	According to forecast probability of less rain and temperature will be high, so
	Harvesting	1	maintain soil moisture in the field
	stage	C SI	properly
			4 10-12 kg of well rotten organic manure
	l l	1 -0	and 225 gm rock phosphate should be
		1	apply at time of planting to each pit as basal dose application.
		LAWNGTLAN	Provide irrigation every alternate day or
		# SAIHA	use straw mulch.
			4 Basin clearing of all plant.
			Rain cap can use for tapping plant
		E N	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases
	MAMIT	AIZAWL	 should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 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. Provide irrigation every alternate day or use straw mulch.
		SERCHH	Grafting: ♣ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. ♣ Provide irrigation every alternate day or use straw mulch.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Jhum Rice	Vegetative stage	KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	MAMIT	AIZAWL	properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CRO	Sowing stage	- Porpoun	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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	7	KOLASIB	use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	SERCHNIF	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent
Cowpea	Vegetative	LUNGLEI	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. 4 According to forecast probability of less
_	stage	PW /	 rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.

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			Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	KOLASIB	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	AIZAWL	available in State Veterinary Departs)
	}	Porcine Reproductive Respiratory Syndrome (PRRS).	Culling of positive pigs or piglets.
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 followed by annual vaccination under vet supervision.
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	5	KOLASIB	 ♣ 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	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with 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		LUNGLEI	2
	Monitoring of fish in pond	LAWNGTLANSAIHA	 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 complete dewatering of pond. After dewatering, the pond may be prepared

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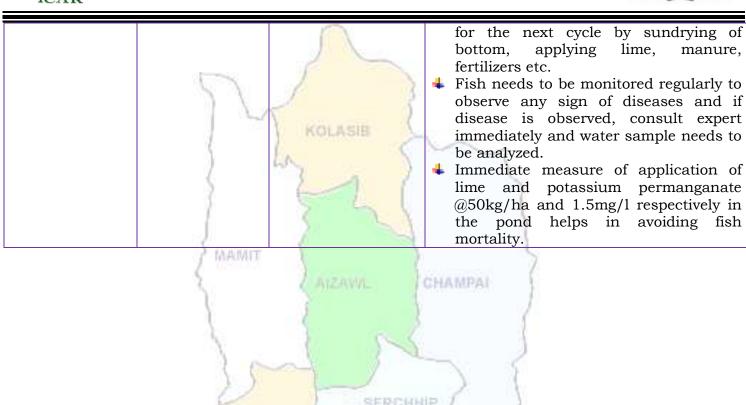


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SAIHA

LAWNGTLAL

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District: Champhai Period: 23 June – 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	11	19	18	19	11
Max Temp (°C)	27	27	27	28	28
Min Temp (°C)	14	13	13	14	14
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	100	100	100
Min RH (%)	52	58	53	55	61
Wind Speed (KmpH)	3	3	3	2	0
*Wind Direction	S-E	S-E	S	S	S-W

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

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

Aizawl- 383.68mm Cha (341.8mm)

Champhai- 239.49mm

Saiha- 109.52 mm

Kolasib- 352.38mm (380.9mm)

Lawngtlai-321.51mm

(250.30mm) Lunglei-344.00mm (87.2mm) Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(259.8mm)

Weather summary of the past three days

23rd June – 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):29-31°C Minimum Tem. (°C):18-20°C Maximum RH (%):82-95% Minimum RH (%):65-73% Wind Direction: Southeasterly Cloud cover: Partially cloudy Wind speed: 3.85 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 22-23°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 92-100% leh a hniam lai berin 51-64% ni tur a rin niin. Thli hi darkar khatah 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.

Rainfall: 5.5 mm

Weekly cumulative rainfall: 78.0mm

NDVI for Mizoram

North East Region 25 d

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 22nd June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A levi otomeo	- 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	}	375	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	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
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	♣ Hmaih neih nuaih loh tur ani.
)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	7	the said of the	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
	1	27	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	1	♣ Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	→ Boruak tha taka a hmuh theih nan leh a
	- Y	The state of the s	rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani.
	Δ.	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda
) 6		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	100		♣ In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
		SERGIN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		COLLEGE ITEMS	dang te paihpaih vek tur ani.
	- 1		♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		A COMPANY TO	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun		↓ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
		3 7 6 1	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(-9 4	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		J SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 2	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
	l		
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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. 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 .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. 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.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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	.±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} MADMIT	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
	1 111	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	3,0	(AIZAWIL)	CHA	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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District: Kolasib Period: 23 June – 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/English

Date of issue: 22nd June, 2018

Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	18	12	17	14	15
Max Temp (°C)	32	32	31	31	32
Min Temp (°C)	16	16	16	17	17
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	100	100	100	100
Min RH (%)	46	59	61	55	51
Wind Speed (KmpH)	3	3	3	2	2
*Wind Direction	S-E	S-E	S-E	E	N-W

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

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

Aizawl- 383.68mm Champhai- 239.49mm Saih

Saiha- 109.52 mm (87.2mm)

(442.80mm)

Kolasib- 352.38mm (380.9mm)

(341.8mm) Lawngtlai-321.51mm (250.30mm) Lunglei-344.00mm

(186.21mm)

Mamit-449.48mm

Serchhip-411.72mm (259.8mm)

Weather summary of the past three days

(285.5mm)

Maximum Tem. (°C):29°C

Minimum Tem. (°C):25-26°C Maximum RH (%):89-92%

Minimum RH (%):73-74%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.51 km/hr

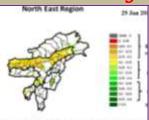
Rainfall: 4.3 mm

Weather forecast valid from 23rdJune, 2018 To 27th June, 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 31-32°C and 16-17°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 46-61%. Wind direction would be southeasterly to easterly and northwesterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 76.0 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 less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	Thursday 2	maintain soil moisture in the field properly.
LIME		LA.	By seeds: Seed should be sown in the
CMAD DDIIIM	(1 1	nursery immediately after extraction in
STAR FRUIT	3	The same of the sa	to a depth 1.5 to 2 cm extraction at
	- f		10x5 cm distance. Seedlings are planted
DI IIM AND	J	11	in secondary bed or polythene bags at 4-
PLUM AND	MAMIT		6 leaf stages. Water must b provide every alternate days.
PEACH	(man)	1	Potting mixture of soil, sand and FYM or
	- 5	(AIZAWIL.	compost should be in proper ratio.
	1	5	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
	1		♣ Only certified seed should be used.
	2 6		♣ Stagnation of water in beds should be
)		avoided.
		SERCH	In the citrus belt, trees can be planted
	1	V~ t~	at any time; however, pre-monsoon is
	1		the best time for transplant or gap
	1		filling.
			Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should
	1	LUNGLEI	be set 6 to 10 feet apart. The exact
	3	#1410.454441	distance depends on the variety. The
	2.7	27%	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- 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	Citrus Canker - Apply bacterimycin
DT 4 17M 4 T-0-1-0-1	0.7	leaf minor	@0.6 g/lt of water.
PLANTATION CR		And the second second	# If down towns motorus and most-rest down
COFFEE	Blooming	SAIHA	♣ If day temperature and prolong dry spell occur it lead to Floral ■ The specific content of the s
	stage		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
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	MAMIT	KOLASIB	 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	Y I	According to forecast probability of less rain and temperature will be high, so
	1	3 22	maintain soil moisture in the field
	1	1 3 1	properly. Start planting newly established place.
	1		♣ 10-12 kg of well rotten organic manure
		SERCHH	and 225 gm rock phosphate should be
			apply at time of planting to each pit as
	1		basal dose application. 4 Provide irrigation every alternative day.
			Basin clearing of all plant.
	1		Rain cap can use for tapping plant
		LUNGLEI	♣ Start intercropping in newly
Oil mlam	Vogototimo		established orchard. According to forecast probability of less
Oil plam	Vegetative/ Harvesting	n 500	rain and temperature will be high, so
	stage	15	maintain soil moisture in the field
	23.78	(19 20)	properly.
			4 10-12 kg of well rotten organic manure
		-3	and 225 gm rock phosphate should be apply at time of planting to each pit as
			basal dose application.
		LAWNGTLAN	♣ Provide irrigation every alternate day or
		SAIHA	use straw mulch.
			Basin clearing of all plant.
		2 2 1	Rain cap can use for tapping plant
		VVV /	3 Page

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases
	MAMIT	AIZAWL	 should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 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. Provide irrigation every alternate day or use straw mulch.
	1	SERCHH	Grafting: ♣ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Jhum Rice	Vegetative stage	KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and
Kharif pulses	Sowing stage	AIZAWL	stability in root zone. Use split dose of any nitrogenous fertilizer for better growth. Land preparation or sowing in pits
(Green gram, Black gram and Rajma)	15	OF DEPTH	 Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR			
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAUSAIHA	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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	5	KOLASIB	use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	SERCHN Fruit fly	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent
Cownes	Vogotativo	LUNGLEI	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		 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.

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			Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	KOLASIB	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	AIZAWL	available in State Veterinary Departs)
	}	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
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 followed by annual vaccination under vet supervision.
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	5	KOLASIB	 ♣ 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	 Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with 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
FISHERY		LUNGLEI	2
	Monitoring of fish in pond	LAWNGTLANSAIHA	 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 complete dewatering of pond. After dewatering, the pond may be prepared

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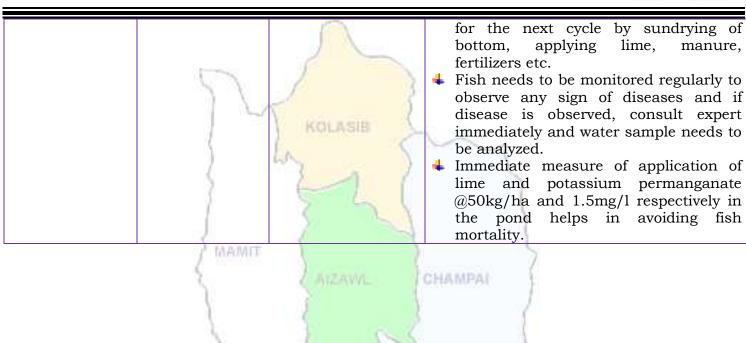


ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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





LUNGLE

LAWNGTLA

SAIHA

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



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LAWNGTLAL

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 23 June – 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

	1.0	P	4		
Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	18	12	17	14	15
Max Temp (°C)	32	32	31	31	32
Min Temp (°C)	16	16	16	17	17
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	100	100	100	100
Min RH (%)	46	59	61	55	51
Wind Speed (KmpH)	3	3	3	2	2
*Wind Direction	S-E	S-E	S-E	E	N-W

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

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

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm) (250.30mm) (87.2mm) (380.9mm)

Ingtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm

Weather summary of the past three days

23rd June – 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):29°C Minimum Tem. (°C):25-26°C Maximum RH (%):89-92% Minimum RH (%):73-74% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.51 km/hr

Rainfall: 4.3 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 15-18°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 49-56% 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.

Weekly cumulative rainfall: 76.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 22nd June, 2018

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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)



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A 1		♣ 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	 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	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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		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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a
	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	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	M	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.
		LAWNGTLANS	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	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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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 th weeks	+	Coccidiosis- Amprolium or
	X			coccidiostat
	T MAGNIT	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
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 and 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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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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Parameters
Rainfall (mm)

May Temp (0C)

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)



District: Lawngtlai Period: 23 June - 27 June, 2018

24.06.2018

Bulletin No: - 801/2018/ Bulletin/English

23.06.2018

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25.06.2018	26.06.2018	27.06.2018
20	18	16
31	32	32
13	13	14
Mainly cloudy	Mainly cloudy	Partially clear

Date of issue: 22nd June, 2018

max remp (°C)	30	31	01	54	34
Min Temp (°C)	14	14	13	13	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear
Max RH (%)	96	96	98	99	97
Min RH (%)	53	57	65	59	56
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E
	44				

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

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

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm) (250.30mm) (87.2mm) (380.9mm)
Lawngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm

(285.5mm) (186.21mm) (442.80mm) (259.8mm)

Weather summary of the past three days

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):21-23°C Maximum RH (%):82-91%

Minimum RH (%):76-85%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 3.08 km/hr

Rainfall: 0.00 mm

Weather forecast valid from 23rdJune, 2018 To 27th June, 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 30-32°C and 13-14°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 53-65%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5° 5	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage		maintain soil moisture in the field properly.
LIME	J	C AA	4 By seeds: Seed should be sown in the
STAR FRUIT	(2 1	nursery immediately after extraction in
SIAK FRUII	3	Come L	to a depth 1.5 to 2 cm extraction at
	1		10x5 cm distance. Seedlings are planted
PLUM AND		//	in secondary bed or polythene bags at 4-
PEACH	MAINIT		6 leaf stages. Water must b provide every alternate days.
FEACH	\$	AIZAWL	♣ Potting mixture of soil, sand and FYM or
	1	Canesaure:	compost should be in proper ratio.
	1	5	♣ Application of split dose of fertilizer 600:
	1	10 BV	200:100 (g/pt).
			Only certified seed should be used.
	1		→ Stagnation of water in beds should be
	1)		avoided.
		SERCH	■ In the citrus belt, trees can be planted
	1	V	at any time; however, pre-monsoon is
		L.	the best time for transplant or gap
		1100	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	11.07 (A) 11.00 (A)	distance depends on the variety. The
	20/1	enco.	bigger the fruit, the farther the distance.
	- 7	Gummosis,	Lamon butterfly- 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	Citrus Canker - Apply bacterimycin
DI ANMAMION CO	OR	leaf minor	@0.6 g/lt of water.
PLANTATION CR		The same of the sa	If day tomporative and prolong de-
COFFEE	Blooming	# SAIHA	♣ If day temperature and prolong dry spell occur it lead to Floral
	stage		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
	l	6 0	
		1 4	2 P a g e

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	MAMIT	KOLASIB	 ♣ 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. ♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. ♣ The young fruit plant must be irrigated at weekly interval for better establishment. ♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	Saleston.	According to forecast probability of less rain and temperature will be high, so
	1	1 2	maintain soil moisture in the field
	- /		properly. Start planting newly established place.
	3	~ /	↓ 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be
		CA SERUMN	apply at time of planting to each pit as
	(basal dose application.
			Provide irrigation every alternative day.Basin clearing of all plant.
	1,20		Rain cap can use for tapping plant
		LUNGLEI	♣ Start intercropping in newly
	3	mar/Alaszami	established orchard.
Oil plam	Vegetative/	500	According to forecast probability of less
	Harvesting	11	rain and temperature will be high, so maintain soil moisture in the field
	stage		properly
			↓ 10-12 kg of well rotten organic manure
	l l	1 -9 4	and 225 gm rock phosphate should be
			apply at time of planting to each pit as
		LAWNGTLAN	basal dose application. Provide irrigation every alternate day or
		SAIHA	use straw mulch.
			♣ Basin clearing of all plant.
		A S A	Rain cap can use for tapping plant
		6 1 4	2 LD 0 ~ 0
		-	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand
	MAMIT	AIZAWL	method of grafting. Provide irrigation every alternate day or
CEREALS AND I	DIII SE CRARS		use straw mulch.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.
		125	Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Jhum Rice	Vegetative stage	KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	MAMIT	AIZAWL	properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CRO	Sowing stage	- Porpoun	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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	7	KOLASIB	use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	SERCHME Fruit fly	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent
Cowpea	Vegetative	LUNGLEI	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. 4 According to forecast probability of less
_	stage	M	 rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	LAWNGTLAUS	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.

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			Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
Colocasia	bowing stage	1	pits filled up with FYM (12-15) t/ha
	1. 1	5	♣ Sprouted corms or cormels are planted
	1 1	()	
		KOLASIB	5-7 deep at a spacing of 40-50 cm
	- t	1	between and within rows in the pits.
)	Line 1	Inorganic fertilizer like Urea, SSP and
ANITAL IIIIODDI	VD A DIV	1 = 1	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI		V	
Pig	All stages	7	♣ Animals must keep in dry place or
	1	27	kept in alleviated area and dry bedding
	Same		(straw) to be provided to young
	MAMIT	1	animals.
	1	Z AIZAWL Z	♣ 1st injection at 6 months of age and
)		2nd injection at 12 months of age
	1) }	followed by annual vaccination under
	160	3 6 /	vet supervision against FMD.
	1		Reduce concentrate diet up to 5%.
) 6		Provide adequate potable water.
	1		♣ In present weather conditions
		SERCHN	vaccinate against swine fever (Vaccines
		1~6	available in State Veterinary Departs)
	\ \	Porcine	 Culling of positive pigs or piglets.
		Reproductive	als I
		Respiratory	
		Syndrome (PRRS).	
Cattle	All age group	LUNGLEI	↓ In present weather conditions, special
	3	and the second s	care should be taken against attack of
		27%	maggots in the wounds of animals.
	7	n 7~	Application of turpentine oil in the
		31	wounds followed by application of
	(The second	antibiotics for five days is advised.
	į.	3 1 1 1 1	♣ Provide UMB/Molases if possible in the
	*) =3 Y	feed
			♣ Provide 10-30 ml of vitamin B-Complex
		LAWNGTLAL	in feed
			₄ 1st injection at 6-8 weeks of age, 2nd
		# SAIHA	injection after 6 months of 1st injection
			followed by annual vaccination under
		1 = 1	vet supervision.
	1	6 1	•

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	5	KOLASIB	 ♣ 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	 Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with 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
FISHERY		LUNGLEI	4
	Monitoring of fish in pond	LAWNGTLANSAIHA	 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 complete dewatering of pond. After dewatering, the pond may be prepared

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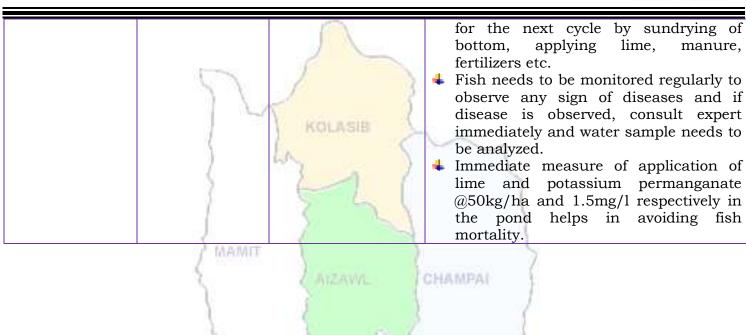


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LUNGLE

LAWNGTLA

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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S-E

District: Lawngtlai Period: 23 June – 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

S-E

	1.0	P	4		
Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	13	7	20	18	16
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	13	13	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear
Max RH (%)	96	96	98	99	97
Min RH (%)	53	57	65	59	56
Wind Speed (KmpH)	4	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.

S-E

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

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm) (250.30mm) (87.2mm) (380.9mm) Lawngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm

(285.5mm) (186.21mm) (442.80mm) (259.8mm)

Weather summary of the past three days 23rd June – 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):21-23°C Maximum RH (%):82-91% Minimum RH (%):76-85% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.08 km/hr

Rainfall: 0.00 mm

*Wind Direction

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin of 96-99%leh a hniam lai berin 53-65% 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.

Weekly cumulative rainfall: 74.0mm

NDVI for Mizoram

North East Region

29 fac 3018

Agenuature signer is modelate siver some of the parts North

Moderately wet mildly dry/mildly wet conditions

Date of issue: 22nd June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbanury auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	Ven sem	vennan chuan hnim hnah hring tlai bul
AND ACID	u song nun	KOLASIB	velah dahkhawm tur ani.
LIME)	LA N	♣ 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	theihna turin a hmunhma a hnim awm
STAR FRUIT			te thlawhfai thin tur ani.
SIAR FRUII	MAMIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	5	AIZAVAL	leh a rah than that nan te leh a rah
PLUM AND	1	Carenne:	keh tur lakah t a veng thei ani.
PEACH		<i>y</i>	
	1	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	100	canker, citrus	hian natna a a tam duh a . Soil bome natna
	1	greening and	laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	7)	Dieback	La Carte Car
	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		108/11
COFFEE	All stages	PARAPER	Nursery stage
			→ Thlai chi thlak hma in Azospirillum leh
	1	m 850	Phosphobacterium a enkawl tur ani.
		11	A chi hi December – January ah hmun
		C Vai Se V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
) =3 7	Chuan a chi chu lei tlem te a chhilh a
		1 3	buhpawla khuh tur ani.
		LAWNGTLAN	♣ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur
		SAIHA	ani.
			♣ Ni 45 hnu velah a tiak thin a,chu chu
		1	bag ah an sawn chhuak leh thin ani.
		0 0	

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			Homosting Store
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	100	C R	♣ A rah hmin tha lo ho chu nuai sawm
) \		hmain an thliar hrang leh vek thin ani.
	The state of	Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
	J.	borer	ani.
	1	En S	Hmaih neih nuaih loh tur ani.
	1	100	4 Sneg hmaih te lakkhawma paih vek tur
	8	2 6	ani.
	()		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. 15555555	1	Boruak tha taka a hmuh theih nan leh a
	3.	(AIZAWL)	rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	- 7	4 Chuan hei hian kah tur ani. Quinalphos 25
	160	1 6 (EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		♣ In leh loa sawngbawln a a ro dan tur
)		tawkah chuan: Arabica / robusta
		SERCHN	
		1	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,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRATC AND I	WILL OF OPOPO		monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		274	
Rabi Maize	A chin hun	W 5 %	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	1	The same of	Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
		1 -9	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		A comment of the	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		1 / m	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		11111	3 P a g e

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	5		K ₂ 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		/	khuh tur ani.
rice fellow	TIMMAN (Myangahang laying aly ship no 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 theih nan nikhat danah
VEGETABLE CR	OP	V Las	tui pek thin tur ani.
Tomato	Bacterial Bacterial		♣ 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
	1	50	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	1 22 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zawiiaii daii tai diii.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn

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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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. 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.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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		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
	2	7		a puitlingh chuan R2B vaccine pek tur
	2		١	ani.
	1	5 6		B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	300000			coccidiostat
	T INFONT	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	ATZAWIL	CH	AMPAL
	Monitoring	1	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 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
		SERCHH	(q)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	· V			thin, aflatoxin avang a sangha thi lak
			40	atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	116	NAME OF THE OWNERS OF THE OWNER,		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
		1776	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
		Laurence		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA)
			Prin	7
		1 2		2
		60	100	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lunglei Period: 23 June - 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/English

Date of issue: 22nd June, 2018

Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	16	16	22	20	25
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	13	13	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	97	98	99	100	100
Min RH (%)	54	59	61	58	65
Wind Speed (KmpH)	4	4	3	2	2
*Wind Direction	E	E	E	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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 239.49mm Aizawl- 383.68mm

Saiha- 109.52 mm Kolasib- 352.38mm (87.2mm)(380.9mm)

(341.8mm)(250.30mm)Mamit-449.48mm Lawngtlai-321.51mm Lunglei-344.00mm (186.21 mm)

Serchhip-411.72mm (442.80mm)(259.8mm)

Weather summary of the past three days

(285.5mm)

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):18-19°C

Maximum RH (%):81-93%

Minimum RH (%):69-74% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.33 km/hr

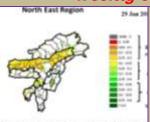
Rainfall: 0.00 mm

Weather forecast valid from 23rdJune, 2018 To 27th June, 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 30-32°C and 13-14°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 54-65%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 99.0 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" 15	According to forecast probability of less		
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so		
AND ACID	stage	NULHOLD .	maintain soil moisture in the field properly.		
LIME	bugo	LA N	By seeds: Seed should be sown in the		
	(3 4 6	nursery immediately after extraction in		
STAR FRUIT	7		to a depth 1.5 to 2 cm extraction at		
	1	2	10x5 cm distance. Seedlings are planted		
	1)		in secondary bed or polythene bags at 4-		
PLUM AND	S CANAGE		6 leaf stages. Water must b provide		
PEACH) MAMIT		every alternate days.		
	1	L AIZAWL I	→ Potting mixture of soil, sand and FYM or		
			compost should be in proper ratio.		
	1	1	♣ Application of split dose of fertilizer 600:		
	160	1 6.7	200:100 (g/pt).		
	1		♣ 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		filling.		
	Ji .		Standard-size trees should be spaced 12		
		LUNGLEI	to 25 feet apart and dwarf trees should		
		CONGLET	be set 6 to 10 feet apart. The exact		
	1		distance depends on the variety. The		
		Gummaaia	bigger the fruit, the farther the distance. Lamon butterfly- 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	4 Citrus Canker- Apply bacterimycin		
		leaf minor	@0.6 g/lt of water.		
PLANTATION CR	POP	1001 1111101	<u> </u>		
COFFEE	Blooming	→ SAIHA	♣ If day temperature and prolong dry		
001122	stage	(SAIN	spell occur it lead to Floral		
	5.050		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	 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage)	According to forecast probability of less rain and temperature will be high, so
	1) (4)	maintain soil moisture in the field properly.
	1	1 3 4	♣ Start planting newly established place.
	15		♣ 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be
	1		apply at time of planting to each pit as basal dose application.
	1		Provide irrigation every alternative day.
			♣ Basin clearing of all plant.
			Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly
Oil plam	Vegetative/		established orchard. According to forecast probability of less
On plain	Harvesting	n Em	rain and temperature will be high, so
	stage	7	maintain soil moisture in the field
		(5 2)	properly
			♣ 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be
			apply at time of planting to each pit as
		LI ALANGETT ALL S	basal dose application.
		LAWNGTLAN	♣ Provide irrigation every alternate day or
		(SAIDA	use straw mulch.
			Basin clearing of all plant.
		20	Rain cap can use for tapping plant
		112	3 Page

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3
	MAMIT	AIZAWA.	buds and must be planted in sand beds. 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. Provide irrigation every alternate day or use straw mulch. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is
CEREALS AND		SERCHH	crofted using wedge or engreech
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Jhum Rice	Vegetative stage	KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.
	1	AIZAWL	 Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage		 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR			# D1:
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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				and atmosp manifold for a second of
				use straw mulch for conserve soil
				moisture.
		1	-	In large gardens apply carbaryl 0.2 per
	1	6		cent or malathion 0.15 per cent
) \			suspension containing sugar or
		V comment		jeggery at 10 g/l at fortnightly
	J.	KOLASIB	V	intervals at flowering and fruit
	1	En.		initiation against fruit fly and
	1	7		pumpkin beetle.
Chilli	Vegetative to		4	According to forecast probability of
	flowering	Similar		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	Stage	1		properly.
	MAMIT	1	4	Earthing up soil for better growth and
	(100000	2	stability in root zone.
	1	(AIZAWL)	4	Apply irrigation every alternate day or
		1		use straw mulch for conserve soil
		(3		moisture.
	6	1 500	4	Don't use split dose of any nitrogenous
	1	V O		fertilizer for better growth.
	The Control		4	If possible use straw mulch/ grass
				mulch in row to prevent moisture loss
		SERCHH	IP.	and better growth of plant.
	l l	Fruit fly	4	In large gardens apply carbaryl 0.2 per cent
				or malathion 0.15 per cent suspension
	1			containing sugar or jeggery at 10 g/1 at
	1		-	fortnightly intervals at flowering and fruit
	1	WHATER		initiation.
Cowpea	Vegetative	LUNGLEI	+	According to forecast probability of less
	stage			rain and temperature will be high, so
	, t	m 8000	-	maintain soil moisture in the field
		15		properly.
			+	Earthing up soil for better growth and
				stability in root zone.
	No.	1 6	+	Don't use split dose of any nitrogenous
				fertilizer for better growth.
Okra	Vegetative	A summer of the	+	According to forecast probability of less
	stage	LAWNGTLAN		rain and temperature will be high, so
		# SAIHA		maintain soil moisture in the field
				properly.
		1	-	Earthing up soil for better growth and
		n rel		stability in root zone.
		1 4		6 P a g e

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			Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	KOLASIB	 ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	14.		
Pig	All stages	AIZAWL	available in State Veterinary Departs)
	1	Porcine Reproductive Respiratory	1. Culling of positive pigs or piglets.
Cattle	All age group	LUNGLEI LAWNGTLAL SAIHA	 ♣ 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 followed by annual vaccination under
		201	vet supervision.
		114	7 P a g e

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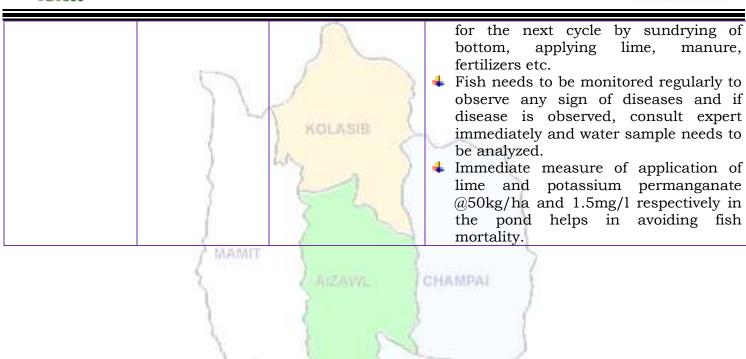


ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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





LUNGLE

LAWNGTLA

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



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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)



District: Lunglei Period: 23 June - 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

	0.00	P	5.0		
Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	16	16	22	20	25
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	13	13	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	97	98	99	100	100
Min RH (%)	54	59	61	58	65
Wind Speed (KmpH)	4	4	3	2	2
*Wind Direction	E	E	E	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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm) (250.30mm) (87.2mm) (380.9mm) vngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm

Weather summary of the past three days

Maximum Tem. (°C):27-28°C

Minimum Tem. (°C):18-19°C Maximum RH (%):81-93%

Minimum RH (%):69-74% Wind Direction: Southeasterly

Cloud cover: Partially clear Wind speed: 3.33 km/hr

Rainfall: 0.00 mm

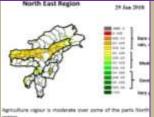
23rd June – 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 22nd June, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 54-65% 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.

Weekly cumulative rainfall: 99.0mm

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)



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	A levi atanga	20	♣ 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. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAIMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	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
	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	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
	3.	Z ATZAVVL	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.
			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 second	♣ 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 ₂ O ₅ leh
		VIN	3 P a g e

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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. 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 .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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	5	KOLASIE	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. 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.
	1	Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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	±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} memit	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	7. 000000	4-5 th Weeks		Calcium tonic fortified with B ₁₂
(S	Ionitoring Sangha nkawl)	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.
		SAIHA		2)

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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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Parameters

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Min RH (%)

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)



District: Mamit Period: 23 June - 27 June, 2018

24.06.2018

17

31

14

Bulletin No: - 801/2018/ Bulletin/English

23.06.2018

16

30

14

25.06.2018	26.06.2018	27.06.2018
17	10	16
31	32	32
13	13	14
Mainly cloudy	Mainly cloudy	Mainly cloudy
100	100	100

Date of issue: 22nd June, 2018

Cloud Coverage Mainly cloudy Mainly cloudy Max RH (%) 98 98 100 100 52 65 54 55 55 Wind Speed (KmpH) 4 4 4 3 2 *Wind Direction S-E S-E S S-W Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,

Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

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

Champhai- 239.49mm Saiha- 109.52 mm Aizawl- 383.68mm Kolasib- 352.38mm

(87.2mm)(380.9mm)(341.8mm)(250.30mm)Mamit-449.48mm Lawngtlai-321.51mm Lunglei-344.00mm Serchhip-411.72mm

(285.5mm)(442.80mm)(186.21 mm)(259.8mm)

Weather summary of the past three days

Maximum Tem. (°C):31-32°C Minimum Tem. (°C):23-24°C

Maximum RH (%):82-93%

Minimum RH (%):71-76%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 4.02 km/hr

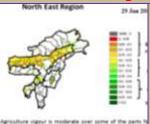
Rainfall: 6.9 mm

Weather forecast valid from 23rdJune, 2018 To 27th June, 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 27-28°C and 13-14°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 55-68%. Wind direction would be easterly to southeasterly and southerly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 72.0 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	5° 5	According to forecast probability of less	
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so	
AND ACID	stage		maintain soil moisture in the field properly.	
LIME	J	C AA	By seeds: Seed should be sown in the	
STAR FRUIT	(2 1	nursery immediately after extraction in	
STAR FRUIT	3	Come L	to a depth 1.5 to 2 cm extraction at	
	1		10x5 cm distance. Seedlings are planted	
PLUM AND			in secondary bed or polythene bags at 4-	
PEACH	MAINIT		6 leaf stages. Water must b provide every alternate days.	
FEACH	\$	AIZAWL	→ Potting mixture of soil, sand and FYM or	
	1	Canesaure:	compost should be in proper ratio.	
	1	5	♣ Application of split dose of fertilizer 600:	
	1	10 BV	200:100 (g/pt).	
			Only certified seed should be used.	
	1		→ Stagnation of water in beds should be	
	1)		avoided.	
		SERCH	■ In the citrus belt, trees can be planted	
	1	V	at any time; however, pre-monsoon is	
		L.	the best time for transplant or gap	
		1100	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	
	20/1	enco.	bigger the fruit, the farther the distance.	
	- 7	Gummosis,	Lamon butterfly- 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	Citrus Canker - Apply bacterimycin	
DI ANIMAMION CO	OR	leaf minor	@0.6 g/lt of water.	
PLANTATION CR		The same of the sa	If day tomporative and prolong de-	
COFFEE	Blooming	SAIHA	♣ If day temperature and prolong dry spell occur it lead to Floral	
	stage		abnormalities like "Star Flower" in	
			Arabica and "Pink Flower" in Robusta.	
	l	6 0		
2 P a g e				

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	} MAIMIT		grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	SALZAVIL	According to forecast probability of less rain and temperature will be high, so
	1	8 6 7	maintain soil moisture in the field
	1	()	properly. Start planting newly established place.
	1		♣ 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be
		V-Jackonni	apply at time of planting to each pit as
	1		basal dose application.
	1	1	Provide irrigation every alternative day.Basin clearing of all plant.
	1		Rain cap can use for tapping plant
		LUNGLEI	♣ Start intercropping in newly
	- }	TAITHIE!	established orchard.
Oil plam	Vegetative/	500	According to forecast probability of less rain and temperature will be high, so
	Harvesting	1	maintain soil moisture in the field
	stage	Plans	properly
	İ		▲ 10-12 kg of well rotten organic manure
		1 -2	and 225 gm rock phosphate should be
			apply at time of planting to each pit as basal dose application.
		LAWNGTLAN	Provide irrigation every alternate day or
		SAIHA	use straw mulch.
			♣ Basin clearing of all plant.
			Rain cap can use for tapping plant
		6 10 3	3 P a g e

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			❖ Start intercropping in newly
			established orchard.
		8	❖ Fruits are harvested when they attain
	1	P 3	full size, develop attractive colour with
	1 \		optimum sugar and acid blend.
Passion Fruit	Transplanting	KOLASIB	♣ High yielding mother vine with good
	stage	Thomas and	quality fruits and free of virus diseases
)	LA Y	should be selected to provide cuttings.
	(3 0 /	♣ A cutting should contain at least 3
	7		buds and must be planted in sand
	/	3	beds.
]		4 10-12 kg of well rotten organic manure
	MAMIT		and 225 gm rock phosphate should be
	7 instance		apply at time of planting to each pit as
	3	A ATZAWIL	basal dose application.
			Provide irrigation every alternate day or use straw mulch.
	1	3	Grafting:
	4	1 66	The root stock of yellow Passion fruit is
	1		planted in polythene sleeves and the
			section from Rahangala hybrid is
		The same of the sa	grafted using wedge or engage
	1	SERCHN	method of grafting.
	l l	V Lan	♣ Provide irrigation every alternate day or
	1		use straw mulch.
CEREALS AND I	PULSE CROPS		
Maize	Vegetative		♣ According to forecast probability of less
(Jhum)	stage	LUNGLEI	rain and temperature will be high, so
, , ,	3	The Lord Lewis Control of the Lord Lewis Con	maintain soil moisture in the field
		575	properly.
	. 7	W (>>	Larthing up soil for better growth and
)		stability in root zone.
	(1 9 8	Use split dose of any nitrogenous
			fertilizer for better growth.
Maize	Sowing stage	1	Two to three plough are necessary to
		Toron was a second	get the soil well pulverized and weed free.
		LAWNGTLAL	17
		SAIHA	Seed is being placed in furrows.Seed should be treated with Thiram
			@4 g/kg seed.
		4	Use optimum seed rate (20-25 kg/ha)
		00	- coc optimum seed rate (20 20 kg/ma)

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		KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination.
Jhum Rice	Vegetative stage	AIZAWL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CR	Sowing stage	OF DEPLOY	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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	5	KOLASIB	use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	AUTHOR DE	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent
Cownea	Vegetative		or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. 4 According to forecast probability of less
Cowpea	stage		 rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.

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			Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	KOLASIB	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	AIZAWL	available in State Veterinary Departs)
	}	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
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 followed by annual vaccination under vet supervision.
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			7 P a g e

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 Provide glucose/electral along with 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.
A CONTRACTOR OF THE CONTRACTOR
 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

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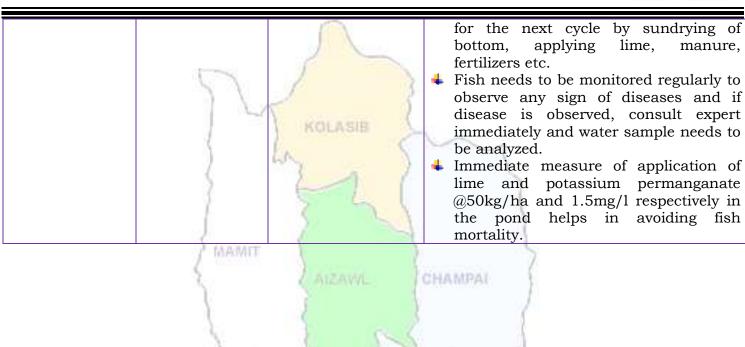


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LUNGLE

LAWNGTLA

SAIHA



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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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District: Mamit Period: 23 June - 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

Date of issue: 22nd June, 2018

Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	16	10	9	17	20
Max Temp (°C)	27	27	27	28	28
Min Temp (°C)	14	13	13	14	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	100	100	100	100
Min RH (%)	56	68	55	55	57
Wind Speed (KmpH)	3	2	2	2	2
*Wind Direction	E	E	S-E	S-E	S

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

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

Aizawl- 383.68mm Champhai- 239.49mm (341.8mm)(250.30mm)

Saiha- 109.52 mm (87.2mm)

Kolasib- 352.38mm (380.9mm)

Lawngtlai-321.51mm (285.5mm) Lunglei-344.00mm

(186.21mm)

Mamit-449.48mm

Serchhip-411.72mm (259.8mm)

Weather summary of the past

three days

23rd June - 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo

tura beisei a ni. Khua a lum lai berin 27-28°C a ni ang a. A

vawh lai ber in 13-140C ni tura beisei a ni. RH san lai

berin 98-100% leh a hniam lai berin 55-68% ni tur a rin

(442.80mm)

Maximum Tem. (°C):31-32°C Minimum Tem. (°C):23-24°C Maximum RH (%):82-93% Minimum RH (%):71-76% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 4.02 km/hr

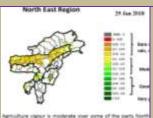
niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 72.0mm

NDVI for Mizoram

Rainfall: 6.9 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	20	♣ 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. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAIMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	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
	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	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
	3.	Z ATZAVVL	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.
			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 second	♣ 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 ₂ O ₅ leh
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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. 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 .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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	5	KOLASIE	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. 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.
	1	Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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	±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} memit	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	7. 000000	4-5 th Weeks		Calcium tonic fortified with B ₁₂
(S	Ionitoring Sangha nkawl)	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.
		SAIHA		2)

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 23 June - 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/English

Date of issue: 22nd June, 2018

Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	8	19	15	12	19
Max Temp (°C)	32	32	31	30	30
Min Temp (°C)	15	15	14	14	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	100	100	100	100
Min RH (%)	51	66	67	58	55
Wind Speed (KmpH)	3	2	2	2	2
*Wind Direction	E	E	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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

(341.8mm) (250.30mm) (87.2mm) (380.9mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):18-19°C

Maximum RH (%):83-94%

Minimum RH (%):74-79%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.25 km/hr

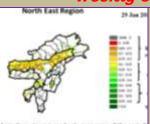
Rainfall: 0.00 mm

Weather forecast valid from 23rdJune, 2018 To 27th June, 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 30-32°C and 14-15°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 55-67%. Wind direction would be easterly to southeasterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 73.0 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 less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	NULHOID	maintain soil moisture in the field properly.
LIME	stage	LA.	♣ By seeds: Seed should be sown in the
CMAD DDIIIM	(1 1	nursery immediately after extraction in
STAR FRUIT	3	The second second	to a depth 1.5 to 2 cm extraction at
	f.	(10x5 cm distance. Seedlings are planted
	- J	7	in secondary bed or polythene bags at 4-
PLUM AND	2 MAMIT		6 leaf stages. Water must b provide
PEACH	7 1/1/2010	A CONTRACTOR OF THE PARTY OF TH	every alternate days.
	1	(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:
	9	1 6	200:100 (g/pt). 4 Only certified seed should be used.
	1	_ V 3 N	
	No S		avoided.
		SERCH	If the citrus belt, trees can be planted
		SERUM	at any time; however, pre-monsoon is
	y .		the best time for transplant or gap
		5	filling.
	14	(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	The Leville and I	distance depends on the variety. The
	27/1	500	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- 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	4 Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	SAIHA	
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		00	Arabica and "Pink Flower" in Robusta.
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	MAMIT	KOLASIB	 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage		According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	36	1 6	properly.
) 6		Start planting newly established place.
)		4 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be apply at time of planting to each pit as
	1	V to	basal dose application.
	5		 Provide irrigation every alternative day.
			♣ Basin clearing of all plant.
	200	Millionetti	Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly established orchard.
Oil plam	Vegetative/	-8-	According to forecast probability of less
F	Harvesting	n ?~	rain and temperature will be high, so
	stage		maintain soil moisture in the field
	(1986	properly 4 10-12 kg of well rotten organic manure
		(())	and 225 gm rock phosphate should be
		1	apply at time of planting to each pit as
		LAWNGTLAL	basal dose application.
		SAIHA	♣ Provide irrigation every alternate day or
			use straw mulch.
			Basin clearing of all plant.Rain cap can use for tapping plant
		6	and the same same and the same property
		1 4 6	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings.
	MAMIT	AIZAWA	 A cutting should contain at least 3 buds and must be planted in sand beds. 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. Provide irrigation every alternate day or use straw mulch.
		SERCHH	Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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		KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination.
Jhum Rice	Vegetative stage	AIZAWL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CR	Sowing stage	OF DEPLOY	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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	5	KOLASIB	use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	AIZAWL	and better growth of plant.
	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	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	LAWNGTLALS	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.

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Colocasia Sowing stage Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg. ANIMAL HUSBENDARY Pig All stages Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. Ist injection at 6 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Cattle All age group Cattle All age group In present weather conditions, specia care should be taken against attack or maggots in the wounds of animals Application of turpentine oil in the wounds followed by application or antibiotics for five days is advised. Provide 10-30 ml of vitamin B-Complex in feed Provide 10-30 ml of vitamin B-Complex in feed In injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection after 6 mont				Don't use split dose of any nitrogenous fertilizer for better growth.
All stages Animals must keep in dry place of kept in alleviated area and dry bedding (straw) to be provided to young animals. Ist injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Cattle All age group 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-Comples in feed Ist injection at 6-8 weeks of age, 2nd injection followed by annual vaccination under	Colocasia	Sowing stage	KOLASIB	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
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Cattle All age group 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 Ist injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under	Pig	- {	SERCHH	 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
All age group 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 Ist injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under		}	Reproductive Respiratory	1. Culling of positive pigs or piglets.
60 (1)	Cattle	All age group	LUNGLEI	 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 followed by annual vaccination under
7 Page		•	6 1	

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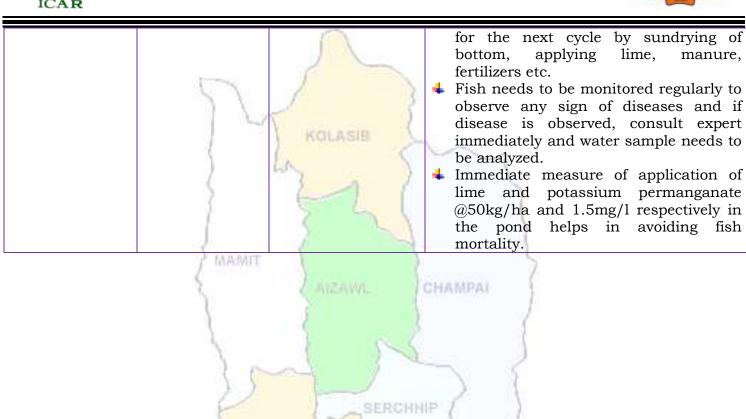


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LUNGLE

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SAIHA

LAWNGTLAL

CHAMPAI

10 | 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)



S-E

(380.9mm)

District: Saiha Period: 23 June – 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

		To the second	114		
Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	8	19	15	12	19
Max Temp (°C)	32	32	31	30	30
Min Temp (°C)	15	15	14	14	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	100	100	100	100
Min RH (%)	51	66	67	58	55
Wind Speed (KmpH)	3	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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm) (250.30mm) (87.2mm)
Lawngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm

Weather summary of the past three days

23rd June – 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-28°C
Minimum Tem. (°C):18-19°C
Maximum RH (%):83-94%
Minimum RH (%):74-79%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 3.25 km/hr

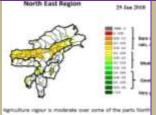
Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin of 99-100% leh a hniam lai berin 55-67% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 0.00 mm

*Wind Direction

Weekly cumulative rainfall: 73.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 22nd June, 2018

S-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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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			♣ 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	 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	{ 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.
11	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
1	borer	ani.
(0	♣ Hmaih neih nuaih loh tur ani.
)	an s	♣ Sneg hmaih te lakkhawma paih vek tur
(3 1	ani.
3	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
f.	2	paih fai vek tur ani.
	20	♣ A thlai vennan a rah tlai ho chu paih vek
San	MET.	tur ani.
J lines	MIT	Hmun dam lutukah dah loh tur.
1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
7	3	rawn chawr no theih nan thlai chu uluk
7)	tak a hlawi tur ani.
1		Chuan hei hian kah tur ani. Quinalphos 25
1.		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
	SERCH	
5	Control of the contro	robusta cherry 11.0 %.
3	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
- 1		♣ Bordeaux mixture 0.5% in February -
1		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	- Control de Maria	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS		
Rabi Maize A chin hu	n L	→ Vaimim chinna tur atan lei kan let
	133	phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	1 6 4	4 A chi chu kan lei leh saah chuan kan
	(dah ang.
	V.	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
) F SAIH	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
	2 5	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
,	111	3 P a g e

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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. 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 .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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	5	KOLATIE C	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. 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.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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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Mizoram Centre, Kolasib- 796081, MIZORAM

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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	.±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} MADMIT	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
	1 111	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	3,0	(AIZAWIL)	CHA	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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ICAR RESEARCH COMPLEX FOR NEH REGION

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SAIHA

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)



S-W

District: Serchhip Period: 23 June – 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/English

S-E

		F	5.0		
Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	16	17	25	17	10
Max Temp (°C)	33	32	32	31	32
Min Temp (°C)	24	24	24	24	24
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	100	100	99	100
Min RH (%)	50	66	57	53	51
Wind Speed (KmpH)	4	6	6	3	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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm) (250.30mm) (87.2mm) (380.9mm)

Lawngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm (285.5mm) (186.21mm) (442.80mm) (259.8mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C

Minimum Tem. (°C):22-23°C Maximum RH (%):81-92%

Minimum RH (%):68-82%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.18 km/hr

Rainfall: 5.1 mm

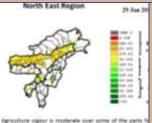
*Wind Direction

Weather forecast valid from 23rdJune, 2018 To 27th June, 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 31-33°C and 24°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 50-66%. Wind direction would be southeasterly to southerly and southwesterly with the wind speed of 2-6 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 85.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 22nd June, 2018

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ICAR RESEARCH COMPLEX FOR NEH REGION

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Animal / Fisheries FRUITS CROPS KHASI MANDARIN AND ACID LIME STAR FRUIT PLUM AND PEACH PLUM AND PEACH Corporate Action and temperature will be high, so maintain soil moisture in the field properly. By seeds: Seed should be sown in the nursery immediately after extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. Water must b provide every alternate days. 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. Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor PLANTATION CROP COFFEE Blooming stage Stand From 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. Water must b provide every alternate days. 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. The exact distance depends on the variety. The bigger the fruit, the farther the distance. Lamo butterfly-Spray monocrotophos (0.05 ml/lit of water) at each flush emergence. Citrus Canker. Citrus Canker. Citrus Canker. Apply bacterimycin abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Nursery and gap filling stage	-	3.00		
RHASI MANDARIN AND ACID LIME STAR FRUIT PLUM AND PEACH PLUM AND PEACH Research Res				
MANDACID LIME STAR FRUIT PLUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PE				
MANDACID LIME STAR FRUIT PLUM AND PEACH PLOW AND PEACH PLUM AND PEACH PUM AND PEACH PUM AND PEACH 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. Stagnation of water in beds should be avoided. Stagnation of water in beds should be avoided. Stagnation of water in beds should be used. Stagnation of water in beds should be avoided. Stagnation of water in beds should be avoided. Stagnation of water in beds should be avoided. Stagnation of water in beds should be aveid 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	KHASI	Nursery and	E .	According to forecast probability of less
## STAR FRUIT STAR FRUIT PLUM AND PEACH PLUM AND PEACH PLUM AND PEACH **PLUM AND PEACH** **PLUM AND PEACH** PLUM AND PEACH **PLUM AND PEACH** **PUM AND PEACH** **PLUM AND PEACH** **PUM AND PEACH** **PLUM AND PEACH** **PUM A	MANDARIN	Thought and the second of the	KOLASIB	rain and temperature will be high, so
STAR FRUIT PLUM AND PEACH PUM AND PUM AND PEACH PUM AND PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM AND PEACH PUM And Pum Caster Pum And P	AND ACID		The state of the s	maintain soil moisture in the field properly.
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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	MAMIT	KOLASIB	 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	Saletine	According to forecast probability of less rain and temperature will be high, so
	1	1 0 1	maintain soil moisture in the field
	- /		properly. Start planting newly established place.
			4 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be
		- SERONN	apply at time of planting to each pit as
	(basal dose application.
			Provide irrigation every alternative day.Basin clearing of all plant.
	1		Rain cap can use for tapping plant
		LUNGLEI	♣ Start intercropping in newly
			established orchard.
Oil plam	Vegetative/	5	According to forecast probability of less rain and temperature will be high, so
	Harvesting	1	maintain soil moisture in the field
	stage	C SI	properly
			4 10-12 kg of well rotten organic manure
	l l	1 -0	and 225 gm rock phosphate should be
			apply at time of planting to each pit as basal dose application.
		LAWNGTLAN	Provide irrigation every alternate day or
		# SAIHA	use straw mulch.
			♣ Basin clearing of all plant.
			Rain cap can use for tapping plant
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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases
	MAMIT	AIZAWL	 should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 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. Provide irrigation every alternate day or use straw mulch.
		SERCHH	Grafting: ♣ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. ♣ Provide irrigation every alternate day or use straw mulch.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Jhum Rice	Vegetative stage	KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	MAMIT	AIZAWL	properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CRO	Sowing stage	- Porpoun	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ 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 month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	LAWNGTLAUSAIHA	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or

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	7	KOLASIB	use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	SERCHNIF	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent
Cowpea	Vegetative	LUNGLEI	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. 4 According to forecast probability of less
_	stage	PW /	 rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	LAWNGTLAL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.

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			Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	KOLASIB	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	AIZAWL	available in State Veterinary Departs)
	}	Porcine Reproductive Respiratory Syndrome (PRRS).	Culling of positive pigs or piglets.
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 followed by annual vaccination under vet supervision.
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	5	KOLASIB	 ♣ 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	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with 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		LUNGLEI	2
	Monitoring of fish in pond	LAWNGTLANSAIHA	 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 complete dewatering of pond. After dewatering, the pond may be prepared

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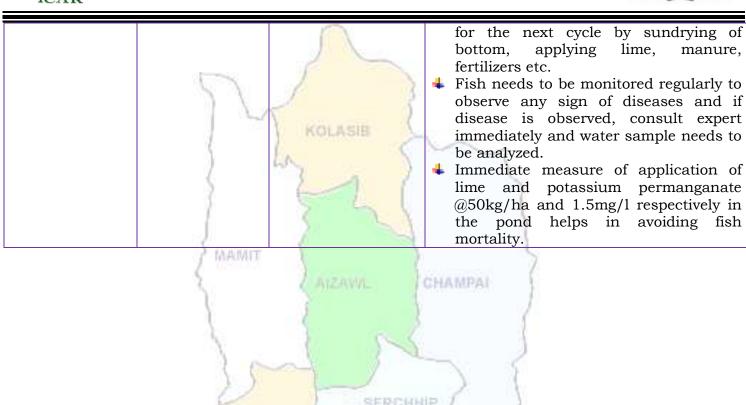


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SAIHA

LAWNGTLAL

10 | 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)



S-W

District: Serchhip Period: 23 June - 27 June, 2018

Bulletin No: - 801/2018/ Bulletin/Mizo

	1. 1.	P	5		
Parameters	23.06.2018	24.06.2018	25.06.2018	26.06.2018	27.06.2018
Rainfall (mm)	16	17	25	17	10
Max Temp (°C)	33	32	32	31	32
Min Temp (°C)	24	24	24	24	24
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	100	100	99	100
Min RH (%)	50	66	57	53	51
Wind Speed (KmpH)	4	6	6	3	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- May 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

(341.8mm)(250.30mm)(87.2mm)(380.9mm)

Mamit-449.48mm Lawngtlai-321.51mm Lunglei-344.00mm Serchhip-411.72mm (442.80mm)(285.5mm)(186.21mm)(259.8mm)

Weather summary of the past three days

S-E

23rd June - 27th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):22-23°C Maximum RH (%):81-92% Minimum RH (%):68-82% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.18 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-33°C a ni ang a. A vawh lai ber in 24°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 50-66% ni tur a rin niin. Thli hi darkar khatah 2-6 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: 85.0mm

Rainfall: 5.1 mm

*Wind Direction

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

Date of issue: 22nd June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	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. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	5	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	OP		
COFFEE	All stages	LAWNGTLAL	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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↓ Coffe thin a	ng Stage rah hmin hi thlasik laiin an seng
thin a	
	9
↓ A rah	hmin tha lo ho chu nuai sawm
	n an thliar hrang leh vek thin ani.
	takah leh fimkhhur taka seng tur
borer ani.	
	n neih nuaih loh tur ani.
↓ Sneg	hmaih te lakkhawma paih vek tur
ani.	
↓ Seng	bang zawng zawng chu uluka taka
	ai vek tur ani.
	i vennan a rah tlai ho chu paih vek
tur an	
	dam lutukah dah loh tur.
7 DY DIN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	k tha taka a hmuh theih nan leh a
l lawii	chawr no theih nan thlai chu uluk
	nlawi tur ani.
	h hei hian kah tur ani. Quinalphos 25
	9 340 ml/200 lit emaw lamda othrin 5 EC 120 – 160 ml / 200 lit.
	loa sawngbawln a a ro dan tur
tawkal	<u> </u>
	ment 10 %, Arabica cherry 10.5 % leh
	ta cherry 11.0 %.
	hrik in a khawih tawh a hnah leh a
	e paihpaih vek tur ani.
↓ Bordea	aux mixture 0.5% in February -
March	` '
	rboxin 0.03% in May - June (Pre-
HIOHSO	oon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS	
	m chinna tur atan lei kan let
113134	darh anga.
→ Hei hi	ian a rawn to chhuah na tur atan
a pui	dawn a ni.
↓ A chi	chu kan lei leh saah chuan kan
dah a	ng.
↓ A chi	chu Thiram @4 g/kg seed hian ak
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	gbawl hmasa anga.
SAIHA ↓ 20-25	kg/ha vel a chi thlak hi a tawk
vel via	
The second secon	tuh hma in lei leh FYM @5-10
	leh 80:60:40 kg N, P ₂ O ₅ leh
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	5		K ₂ 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		/	khuh tur ani.
rice fellow	TIMMAN (Myangahang laying aly ship no tun
Potato	Sowing stage	A AIZAWL	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 Bacterial		♣ 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
	1	50	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	1 22 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zawiiaii daii tai diii.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn

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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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. 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.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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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Preventive measures Preventive measures				4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
Preventive measures 4. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R2B vaccine pek tur ani. B complex with antibodies 4. Coccidiosia- Amprolium or coccidiostat Calcium tonic fortified with B12 Champa Sangha enkawl) 4. 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 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.		5	1	4	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur
1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies Coccidiosis Amprolium or coccidiostat Calcium tonic fortified with B ₁₂		Preventive	0.3 rd week	4	
a puitlingh chuan R ₂ B vaccine pek tur ani. B Complex with antibodies Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B ₁₂ FISHERY Monitoring (Sangha enkawl) Monitoring (Sangha enkawl) SERCH SERCH A 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 hmuar loh 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.		10	O O WCCR	1	
# B complex with antibodies # Coccidiosis- Amprolium or coccidiostat # Calcium tonic fortified with B12 # 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.		incasures	wy)		
4-5th Weeks Coccidiosis- coccidiostat Calcium tonic fortified with B12		- 5			-
4-5th Weeks Coccidiosis- coccidiostat Calcium tonic fortified with B12		5	Same	4	B complex with antibodies
Calcium tonic fortified with B12			4th weeks	4	
Monitoring (Sangha enkawl) SERCE 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			-
Monitoring (Sangha enkawl) 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.		MAMI	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
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.	FISHERY	1	Z ATZAVYL Z	CH/	AMPAI (
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.		Monitoring		4	Sangha te hi chaw a hmuar kai lo
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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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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