

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Kolasib- 352.38mm

(380.9mm)

District: Aizawl Period: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/English

Date of issue: 15th June, 2018

Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	11	58	39	66	33
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	99	99	100
Min RH (%)	84	88	97	77	62
Wind Speed (KmpH)	3	2	6	4	6
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

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

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

(250.30mm) (87.2mm)

Weather summary of the past

(341.8mm)

three days
Maximum Tem. (°C):25-26°C

Minimum Tem. (°C):17-18°C Maximum RH (%):99-100%

Minimum RH (%):82-93%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.38 km/hr

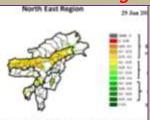
Rainfall: 125.6 mm

Weather forecast valid from 16thJune, 2018 To 20th 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 28-29°C and 11-12°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 62-97%. Wind direction would be southeasterly with the wind speed of 2-6 km per hour. Manly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 207.0 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 6	According to forecast probability of rain will		
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will		
AND ACID	stage	NVILHOID!	be less, so drainage should be maintain		
LIME	Stage	LA A	around the field properly.		
	(3 4 /	By seeds: Seed should be sown in the		
STAR FRUIT	7		nursery immediately after extraction in		
	1	7	to a depth 1.5 to 2 cm extraction at		
	1		10x5 cm distance. Seedlings are planted		
PLUM AND	S ware		in secondary bed or polythene bags at 4-		
PEACH	/ MAMIT		6 leaf stages.		
	1	Z AIZAWIL I	→ Potting mixture of soil, sand and FYM or		
		3	compost should be in proper ratio.		
)	1	♣ Application of split dose of fertilizer 600:		
	160	8. 7	200:100 (g/pt).		
	- /		♣ Only certified seed should be used.		
	1 0	~ Y	♣ Stagnation of water in beds should be		
	1)		avoided.		
		SERCH	■ In the citrus belt, trees can be planted		
	1	V~ t~	at any time; however, pre-monsoon is		
	(the best time for transplant or gap		
			filling.		
			♣ Standard-size trees should be spaced 12		
	1	NAME OF THE OWNER OWNER OF THE OWNER OWNE	to 25 feet apart and dwarf trees should		
		LUNGLEI	be set 6 to 10 feet apart. The exact		
	1		distance depends on the variety. The		
		O	bigger the fruit, the farther the distance.		
		Gummosis,	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.		
	1	citrus Canker,	Leaf minor- Spray confidor 0.05% (0.5		
		Citrus greening,	ml/lit of water) at each flush emergence.		
	N.	Dieback, Lamon butterfly and	4 Citrus Canker- Apply bacterimycin		
		leaf minor	@0.6 g/lt of water.		
PLANTATION CR	POP	icai minui	9/10 8/10 01 materia		
COFFEE	Blooming	T same	♣ If day temperature and prolong dry		
COFFEE		SAIHA	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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3 | P a g e

	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	SERCHN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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			full size, develop attractive colour with optimum sugar and acid blend.
Passion Fruit	Transplanting stage	KOLASIB	 ♣ 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 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. 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.
CEREALS AND	PIILSE CROPS		method of graiting.
Maize (Jhum)	Vegetative stage	SERCHH	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAU SAIHA	 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) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and

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			remaining 25% after one month and 25% at flowering stage.
Jhum Rice	Germination stage	KOLASIB	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 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		 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	SERCHH	 ♣ 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 rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals.
Chilli	Vegetative to	1 2 1	4 According to forecast probability of
		614	5 P a g e

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	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
		5	maintain around the field properly.
	1	1	Learthing up soil for better growth and
		5	stability in root zone.
		KOLASIB	Don't use split dose of any nitrogenous fertilizer for better growth.
	1		If possible use straw mulch/ grass
)	GA,	mulch in row to prevent moisture loss
		1 1	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
	MAMIT		fortnightly intervals at flowering and fruit
0	77	AIZAVAL I	initiation.
Cowpea	Vegetative	Canenare 1	According to forecast probability of rain will be moderate and temperature will
	stage)	be less, so drainage should be maintain
	1	6 6 7	around the field properly.
	- 1		Earthing up soil for better growth and
	2		stability in root zone.
			♣ Don't use split dose of any nitrogenous
		SERCHN	
Okra	Vegetative	V	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
			around the field properly.
		LUNGLEI	Larthing up soil for better growth and
	3	THE STATE OF THE S	stability in root zone.
	20/	000	Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	T (~~	Planting is done well prepared land or
Colocusia	bowing stage		pits filled up with FYM (12-15) t/ha
		155	Sprouted corms or cormels are planted
			5-7 deep at a spacing of 40-50 cm
		1	between and within rows in the pits.
		land and the second	♣ Inorganic fertilizer like Urea, SSP and
		LAWNGTLAN	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages		4 Animals must keep in dry place or
		1 = 1	kept in alleviated area and dry bedding
		6	(straw) to be provided to young
		The state of	6 P a g e

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	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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.
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. 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
Poultry	All age group	LAWNGTLAL	teamed short. 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

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	MAMIT	KOLASIB	 ♣ 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	1	LAIZAVA	CHAMPAI
	Monitoring of fish in pond	LUNGLEI	 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 for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of
		1	8 P a g e

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SAIHA

LAWNGTLAL

CHAMPAI

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	1. 1.	P	5		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
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Max Temp (°C)	29	29	29	28	28
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*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Pre Monsoon- 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 16th June – 20th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-26°C
Minimum Tem. (°C):17-18°C
Maximum RH (%):99-100%
Minimum RH (%):82-93%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 4.38 km/hr

Rainfall: 125.6 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 11-12°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 62-97% 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: 207.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbanuty auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	V comment	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	1	A.	♣ Thlai naupang deuah chuan chawlh
	(3 4 /	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
	1	1	theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	1		♣ A seng hma kar 6 chhung chu tui tha
STAR FROIT	/ MAMIT		taka pek hian a rah tla tur chelh nan
	5	AIZAWL I	leh a rah than that nan te leh a rah
PLUM AND	1	Constant 1	keh tur lakah t a veng thei ani.
PEACH	1))	
	16	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
		greening and	laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	7.7	Dieback	the state of the s
	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		0/ **
COFFEE	All stages	POMOTES	Nursery stage
			Thlai chi thlak hma in Azospirillum leh
	1	m Em	🌏 Phosphobacterium a enkawl tur ani.
			👫 A chi hi December – January ah hmun
	1	Car San I	zawl/rualrem 1.5 - 2.5 cm a in hlatin
	į		tlar mumal tak siam in chin tur ani.
	l l) F3 7	Chuan a chi chu lei tlem te a chhilh a
		V 2	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
			bag ah an sawn chhuak leh thin ani.
	<u> </u>	200	

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	la la	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(0	♣ Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	1	3	paih fai vek tur ani.
]		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J Interview	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk
	N.)	tak a hlawi tur ani. 4 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 ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		(Section)	robusta cherry 11.0 %.
	1	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-
			monsoon) ah kah chhunzawm tur ani.
CEREALS AND		270	1 7 7 7 1 1 1 1 1 1 1
Rabi Maize	A chin hun	m 700	→ Vaimim chinna tur atan lei kan let
		3 (phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
	in the second	1 -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Language as a	♣ 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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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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	7		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		11-7	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	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).	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	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	WOOD WOOD		1-6 ah F1 vaccine pek tur ani a, chuan
	1110454105	GPy)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	1	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
		1		chauh pek thin tur ani. Sangha chaw a
	(Sangha	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)		-	a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	1			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	1	V		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	4		4	Dil sah kang veka sangha man thin
			-	hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	>	HANGADAM)	1	phoro, chinai phul, leitha hman leh tul
	53/1	year.	-	dang in dil buatsaih tur ani.
	5	17 1	1	Sangha te natna lak atangin an him em
			- (tih enfiah fo a tha a, natna hmuh anih
		(by 20)	- 25	chuan mithiam te rawn vat a, diltui
			1	enfiah vat tur ani.
		-9	-	A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian
			154	sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		J SAIH	A.	amigur a vong moi.
		1		-
			(-)	7
		0 0	(

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SAIHA

LAWNGTLAL

CHAMPAI

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*Wind Direction

GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Champhai Period: 16 June - 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/Mizo

	1. 1.	I.	1		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	24	36	73	21	28
Max Temp (°C)	23	23	22	22	21
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	92	86	99	76	67
Wind Speed (KmpH)	3	2	4	3	3

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)Lawngtlai-321.51mm Lunglei-344.00mm

S-E

Mamit-449.48mm Serchhip-411.72mm

Date of issue: 15th June, 2018

(285.5mm)Weather summary of the past

(186.21mm)

(442.80mm)

(259.8mm)

(380.9mm)

S

three days

16th June - 20th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):16-18°C Maximum RH (%):98-100% Minimum RH (%):82-95% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.15 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-23°C a ni ang a. A vawh lai ber in 11-12°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 67-99% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 135.0 mm

Weekly cumulative rainfall: 182.0mm

NDVI for Mizoram

North East Regi

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	374	 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
		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.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
	The same of the sa	AVIEWS THE	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	- E	🖊 Vaimim chinna tur atan lei kan let
		17	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
		7 6	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(dah ang.
		land and the same of the same	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIN	3 P a g e

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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			
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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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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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			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
	- Summer	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
	MANNIE	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAVVI.	CHI	AMPAI }
(8	Monitoring 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.
		1		2)

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LAWNGTLAL

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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: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/English

	0.00	R.	4.0		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	24	36	73	21	28
Max Temp (°C)	23	23	22	22	21
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	92	86	99	76	67
Wind Speed (KmpH)	3	2	4	3	3
*Wind Direction	S-E	S-E	S	S	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 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):25-27°C

Minimum Tem. (°C):16-18°C Maximum RH (%):98-100%

Minimum RH (%):82-95%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 4.15 km/hr

Rainfall: 135.0 mm

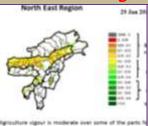
Weather forecast valid from 16thJune, 2018 To 20th June, 2018.

Date of issue: 15th 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 21-23°C and 11-12°C. Maximum relative humidity is expected in the range of 100% and minimum may from 67-99%. Wind direction would be southeasterly to southerly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 182.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	_	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 6	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	NVILHOID!	be less, so drainage should be maintain
LIME	Stage	LA A	around the field properly.
	(3 4 /	By seeds: Seed should be sown in the
STAR FRUIT	7		nursery immediately after extraction in
	1	7	to a depth 1.5 to 2 cm extraction at
			10x5 cm distance. Seedlings are planted
PLUM AND	3 more		in secondary bed or polythene bags at 4-
PEACH	J' MAMIT		6 leaf stages.
	1	Z AIZAWIL I	→ Potting mixture of soil, sand and FYM or
		3	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
	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
	1		filling.
			Standard-size trees should be spaced 12
		Linux et al.	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The
		Gummosis,	bigger the fruit, the farther the distance. 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.
	1	butterfly and	4 Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP	1001 1111101	<u> </u>
COFFEE	Blooming	₹ SAIHA	♣ If day temperature and prolong dry
001122	stage	(SAITE	spell occur it lead to Floral
	Jugo	1	abnormalities like "Star Flower" in
		1 2 1	Arabica and "Pink Flower" in Robusta.
	ı	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	SERCHN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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			full size, develop attractive colour with optimum sugar and acid blend.
Passion Fruit	Transplanting stage	KOLASIB	 ♣ 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 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. 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.
CEREALS AND	PILLSE CROPS		method of graiting.
Maize (Jhum)	Vegetative stage	SERCHH	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAUSAIHA	 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) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and

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			remaining 25% after one month and
Jhum Rice	Germination stage	KOLASIB	 25% at flowering stage. According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 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		 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	SERCHH	 ♣ 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 rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals.
Chilli	Vegetative to	A a l	4 According to forecast probability of
		614	5 P a g e

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	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
			maintain around the field properly.
	1	1	Larthing up soil for better growth and
	1 1	5	stability in root zone.
		KOLASIB	Don't use split dose of any nitrogenous
	1	1 Transform	fertilizer for better growth.
)	LA 1	If possible use straw mulch/ grass
	(1 1	mulch in row to prevent moisture loss and better growth of plant.
	1	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	1	Fruit Hy	or malathion 0.15 per cent suspension
	, J		containing sugar or jeggery at 10 g/l at
	MAMIT		fortnightly intervals at flowering and fruit
	7. 17670	\(initiation.
Cowpea	Vegetative	(ATZAWIL)	According to forecast probability of rain
	stage	1	will be moderate and temperature will
		3	be less, so drainage should be maintain
	8	1 85	around the field properly.
	1	1 3 4	■ Earthing up soil for better growth and
	The Co		stability in root zone.
		- Company	♣ Don't use split dose of any nitrogenous
		SERCHN	
Okra	Vegetative	The state of the s	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
	1		be less, so drainage should be maintain
			around the field properly. Larthing up soil for better growth and
		LUNGLEI	stability in root zone.
	3	The state of the s	♣ Don't use split dose of any nitrogenous
	2.7	272	fertilizer for better growth.
Colocasia	Sowing stage	11	♣ Planting is done well prepared land or
Colocusiu	bowing stage		pits filled up with FYM (12-15) t/ha
		19 75	Sprouted corms or cormels are planted
			5-7 deep at a spacing of 40-50 cm
		1 -0	between and within rows in the pits.
			♣ Inorganic fertilizer like Urea, SSP and
		LAWNGTLAN	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		1	kept in alleviated area and dry bedding
		00	(straw) to be provided to young
		1 (1	6 P a g e

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	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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.
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. 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
Poultry	All age group	LAWNGTLAL	teamed short. 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

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FISHERY	MAMIT	KOLASIB	 ♣ 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.
FISHEKI	Monitoring of	Z AIZAWI	♣ Care should be taken that fish are fed
	fish in pond	LUNGLEI	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 for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of
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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: Kolasib Period: 16 June - 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/English

		P	4		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	14	30	25	39	33
Max Temp (°C)	31	30	28	29	28
Min Temp (°C)	16	16	15	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	79	74	84	87	56
Wind Speed (KmpH)	2	0	4	3	3
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Pre Monsoon- 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):23-26°C Minimum Tem. (°C):22-24°C

Maximum RH (%):98-100% Minimum RH (%):79-91%

Wind speed: 4.31 km/hr

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

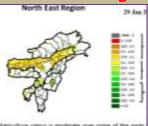
Rainfall: 129.6 mm

Weather forecast valid from 16thJune, 2018 To 20th 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 28-31°C and 15-16°C. Maximum relative humidity is expected in the range of 100% and minimum may from 56-84%. Wind direction would be southeasterly with the wind speed of 0-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 141.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 15th 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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal	_	practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	C" 1	According to forecast probability of rain will			
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will			
AND ACID	stage	NULHOID	be less, so drainage should be maintain			
LIME	Stage	LA	around the field properly.			
	(3 4 /	By seeds: Seed should be sown in the			
STAR FRUIT	7		nursery immediately after extraction in			
	1	2	to a depth 1.5 to 2 cm extraction at			
			10x5 cm distance. Seedlings are planted			
PLUM AND	S CARLOTTE		in secondary bed or polythene bags at 4-			
PEACH	J. WAMIT		6 leaf stages.			
	7.	Z AIZAWL I	→ Potting mixture of soil, sand and FYM or			
			compost should be in proper ratio.			
	1	(♣ Application of split dose of fertilizer 600:			
	160	1 6. (200:100 (g/pt).			
	. /		♣ Only certified seed should be used.			
	((→ Stagnation of water in beds should be			
	1)		avoided.			
		SERCH	■ In the citrus belt, trees can be planted			
	-	V	at any time; however, pre-monsoon is			
			the best time for transplant or gap			
	1	100	filling.			
			Standard-size trees should be spaced 12			
		LUNGLEI	to 25 feet apart and dwarf trees should			
	2	EMPSHEET.	be set 6 to 10 feet apart. The exact distance depends on the variety. The			
	1/2	and the second	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			
		leaf minor	@0.6 g/lt of water.			
PLANTATION CR	PLANTATION CROP					
COFFEE	Blooming	→ SAIHA	↓ If day temperature and prolong dry			
	stage		spell occur it lead to Floral			
			abnormalities like "Star Flower" in			
			Arabica and "Pink Flower" in Robusta.			
21Daga						
			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	SERCHN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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			full size, develop attractive colour with
Passion Fruit	Transplanting stage	KOLASIB	 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 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. 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.
CEREALS AND	PIILSE CROPS	101 100 100	incurod of graiting.
Maize (Jhum)	Vegetative stage	SERCHH	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWINGTLAUSAIHA	 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) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and

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			remaining 25% after one month and
Jhum Rice	Germination stage	KOLASIB	 25% at flowering stage. According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fortilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CRO	Sowing stage		fertilizer for better growth. 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	SERCHH	 ♣ 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 rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals.
Chilli	Vegetative to	1 2 1	4 According to forecast probability of
		617 6	5 P a g e

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	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
		1	maintain around the field properly.
	1	1	Larthing up soil for better growth and
	1 1	5	stability in root zone.
		KOLASIB	Don't use split dose of any nitrogenous
	1	110000000	fertilizer for better growth.
)	Line 1	If possible use straw mulch/ grass
	(1 1	mulch in row to prevent moisture loss and better growth of plant.
	1	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
l	1	Fruit Hy	or malathion 0.15 per cent suspension
l	, J		containing sugar or jeggery at 10 g/l at
	MAMIT		fortnightly intervals at flowering and fruit
	7. 17670	\(initiation.
Cowpea	Vegetative	(ATZAWIL)	According to forecast probability of rain
	stage	1	will be moderate and temperature will
		3	be less, so drainage should be maintain
	8	1 85	around the field properly.
	1	1 3 4	■ Earthing up soil for better growth and
	The Co		stability in root zone.
			♣ Don't use split dose of any nitrogenous
		SERCHN	
Okra	Vegetative	Y Long	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
	1		be less, so drainage should be maintain
			around the field properly. Larthing up soil for better growth and
		LUNGLEI	stability in root zone.
	3	The Leading Admits	♣ Don't use split dose of any nitrogenous
	2.7	500	fertilizer for better growth.
Colocasia	Sowing stage	17	♣ Planting is done well prepared land or
Colocusia	bowing stage		pits filled up with FYM (12-15) t/ha
		155	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
		LAWNGTLAN	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		1	kept in alleviated area and dry bedding
		00	(straw) to be provided to young
		1 1	6 P a g e

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	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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.
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. 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
Poultry	All age group	LAWNGTLAUSAIHA	teamed short. 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

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	MAMIT	KOLASIB	 ♣ 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	1	LAIZAVA	CHAMPAI
	Monitoring of fish in pond	LUNGLEI	 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 for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of
		1	8 P a g e

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SAIHA

LAWNGTLAL

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District: Kolasib Period: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/Mizo

	1.0	P	1		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	14	30	25	39	33
Max Temp (°C)	31	30	28	29	28
Min Temp (°C)	16	16	15	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	79	74	84	87	56
Wind Speed (KmpH)	2	0	4	3	3
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Pre Monsoon- 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

16th June – 20th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 15th June, 2018

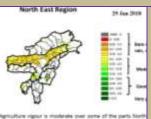
Maximum Tem. (°C):23-26°C
Minimum Tem. (°C):22-24°C
Maximum RH (%):98-100%
Minimum RH (%):79-91%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 4.31 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-31°C a ni ang a. A vawh lai ber in 15-16°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 56-84% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 129.6 mm

Weekly cumulative rainfall: 141.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			♣ 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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		17	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
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	CON 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
)	3	rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		(Sections	robusta cherry 11.0 %.
	V	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
		(CONT. 20 (CONT.)	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		270	W **
Rabi Maize	A chin hun	11	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.	2 1 1 1	a pui dawn a ni.
	i i) -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		1	♣ 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 10	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		111	3 P a g e

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South as a second	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in		/	khuh tur ani.
rice fellow	Carrier atoms		♣ Muangchang loving alu chin na tur
Potato	Sowing stage	ZAIZAWL Z	chu buatsaih vat tur ani.
	1	7	Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	2001 (A. 200	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 sost		tur ani . 4 A than a that theih nan nikhat danah
Early Cole	Black spot disease	-4	tui pek thin tur ani.
crop	ursease.	language and the	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

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	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



ANIMAL HUSBI	ENDARY		
Pig	All stages	Porcine	 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. Vawknote emaw vawk lak hran.
	3 MAINIT	Reproductive	1
	7	Respiratory	1
	1	Syndrome (PRRS).	CHAMPAI)
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a,
		1 54	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	LAWNGTLAN	+ III IIIIsoilla atall cililavilla tila tavill
			tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.

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		1	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.
	5	1	4	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	En . S		1-6 ah F1 vaccine pek tur ani a, chuan
	/	" 1		a puitlingh chuan R ₂ B vaccine pek tur
	7		١.	ani.
	1		*	B complex with antibodies
	1	4 th weeks	+	Coccidiosis- Amprolium or
	S CARRATT		_	coccidiostat
	J. INFONET	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	(AIZAVVL	CH	AMPAI }
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 188		lo hmuar anih chuan pek hma in ni sa
) 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	HP)	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.
	130		5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	276	NAME OF THE OWNERS OF THE OWNER,		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	199	phoro, chinai phul, leitha hman leh tul
	1		- 7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		17	1	tih enfiah fo a tha a, natna hmuh anih
		P \	1	chuan mithiam te rawn vat a, diltui
		1 7 6		enfiah vat tur ani.
	N.	1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LAWNGTLAL		sangha natna avang a thi tur lak
		The state of the s		atangin a veng thei.
		SAIH	9)
			Prince	7
			1	2

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

GRAMIN KRISHI MAUSAM SEWA

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



District: Lawngtlai Period: 16 June – 20 June, 2018

17.06.2018

Bulletin No: - 799/2018/ Bulletin/English

16.06.2018

18.06.2018	19.06.2018	20.06.2018
27	35	20
29	28	28

Date of issue: 15th June, 2018

Rainfall (mm)	63	39	27	35	20
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	99	98	98
Min RH (%)	97	78	96	76	72
Wind Speed (KmpH)	10	6	2	3	4
*Wind Direction	S	S-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)

Weather summary of the past three days

Maximum Tem. (°C):25-26°C

Minimum Tem. (°C):16-17°C Maximum RH (%):97-99%

Minimum RH (%):79-95%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.21 km/hr

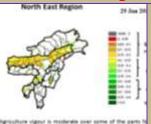
Rainfall: 99.6 mm

Weather forecast valid from 16thJune, 2018 To 20th 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 28-29°C and 11-12°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 72-97%. Wind direction would be southerly to southeasterly to easterly and southeasterly with the wind speed of 2-10 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 184.0 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 6	According to forecast probability of rain will					
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will					
AND ACID	stage	NULHOID	be less, so drainage should be maintain					
LIME	Stage	LA	around the field properly.					
	(3 4 /	By seeds: Seed should be sown in the					
STAR FRUIT	7		nursery immediately after extraction in					
	1	7	to a depth 1.5 to 2 cm extraction at					
	1		10x5 cm distance. Seedlings are planted					
PLUM AND	3 more		in secondary bed or polythene bags at 4-					
PEACH	MAMIT	1	6 leaf stages.					
	1	Z AIZAWIL I	→ Potting mixture of soil, sand and FYM or					
		2	compost should be in proper ratio.					
	1	1	♣ Application of split dose of fertilizer 600:					
	160	1 6. (200:100 (g/pt).					
	1		♣ 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					
			the best time for transplant or gap					
	1	1000	filling.					
			Standard-size trees should be spaced 12					
		LUNGLEI	to 25 feet apart and dwarf trees should					
		LUNGSEE	be set 6 to 10 feet apart. The exact distance depends on the variety. The					
	1/2	and the second	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.					
	l l	butterfly and	↓ Citrus Canker- Apply bacterimycin					
		leaf minor	@0.6 g/lt of water.					
PLANTATION CR	OP							
COFFEE	Blooming	# SAIHA	♣ If day temperature and prolong dry					
	stage		spell occur it lead to Floral					
	25.08		abnormalities like "Star Flower" in					
		3 2	Arabica and "Pink Flower" in Robusta.					
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	SERCHN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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			full size, develop attractive colour with
Passion Fruit	Transplanting stage	KOLASIB	 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 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. 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.
CEREALS AND	PIILSE CROPS	101 100 100	incurod of graiting.
Maize (Jhum)	Vegetative stage	SERCHH	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWINGTLAUSAIHA	 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) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and

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			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination	5	♣ According to forecast probability of rain
	stage	F 3	will be moderate to high and
) \	5	temperature will be less, so drainage
		KOLASIB	should be maintain around the field
	1	HULHSID	properly.
)	60	Larthing up soil for better growth and
	(3 4 /	stability in root zone.
	7		♣ Use split dose of any nitrogenous
			fertilizer for better growth.
Kharif pulses	Sowing stage		Land preparation or sowing in pits
(Green gram,	MAMIT		Inorganic fertilizer like Urea, SSP and
Black gram and	J. Interview	1	MOP @ 20: 60: 40 kg.
Rajma)	OD	I RETRIES I	Use PSB 2g/kg for better germination.
VEGETABLE CR	Sowing stage	The state of the s	♣ Rhizome should be treated with Thiram
Ginger and	Sowing stage	3	@4 g/kg seed.
turmeric	1	1 66	Use optimum seed rate (50-60 kg/ha)
	1	1 3 4	for desire plant population.
	illo (♣ Apply well decomposed FYM/ pig
		The same of the sa	manure @ 10-20 t/ha along with
		SERCHN	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
	V	N. Lang	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	Fruiting stage	LUNGLEI	♣ According to forecast probability of
us crop	3		rain will be moderate and temperature
_	20/1	Co.	will be less, so drainage should be
	7	17 (~~	maintain around the field properly.
			Provide split doses of urea (70g/pt) at
	((by 20)	the time of full blooming
			In large gardens apply carbaryl 0.2 per
		20	cent or malathion 0.15 per cent
			suspension containing sugar or
		LAWNGTLAL	jeggery at 10 g/l at fortnightly
		# SAIHA	intervals at flowering and fruit
		(initiation against fruit fly and
Ob till	Transferties 4	1	pumpkin beetle.
Chilli	Vegetative to	N P (According to forecast probability of
		1	

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	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
		5	maintain around the field properly.
	1 1	1	Larthing up soil for better growth and
		5	stability in root zone.
		KOLASIB	Don't use split dose of any nitrogenous fertilizer for better growth.
	1		If possible use straw mulch/ grass
)	GA,	mulch in row to prevent moisture loss
		1 1	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
	MAMIT		fortnightly intervals at flowering and fruit
	77	1 017 0140	initiation.
Cowpea	Vegetative	(AIZAWIL)	According to forecast probability of rain
	stage	5	will be moderate and temperature will be less, so drainage should be maintain
	1	2 2	around the field properly.
	1		Earthing up soil for better growth and
	2 6		stability in root zone.
)		♣ Don't use split dose of any nitrogenous
		SERCHN	
Okra	Vegetative	V	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
			around the field properly.
		LUNGLEI	♣ Earthing up soil for better growth and
	3	H1975 H197	stability in root zone.
	5.7	27%c	Don't use split dose of any nitrogenous
Colocasia	Sowing stage	77	fertilizer for better growth. Planting is done well prepared land or
Colocasia	Sowing stage		pits filled up with FYM (12-15) t/ha
		19 8	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
		LAWNGTLAL	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages		4 Animals must keep in dry place or
			kept in alleviated area and dry bedding
		6	(straw) to be provided to young
		1	6 P a g e

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	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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.
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. 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
Poultry	All age group	LAWNGTLAL	teamed short. 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

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FISHERY	MAMIT	KOLASIB	 ♣ 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.
FISHERI	Monitoring of	(ATZAWI)	
	Monitoring of fish in pond	5	with feed that are free from fungus. If
	11011 111 [P0114	3 22	the fungal growth is observed in fish
	1		feed, the feed needs to be sundried for
	15		few days prior to feeding. Fish feed should be stored in cool and
		SERCHN	
		V-1	♣ oid fungal growth that releases
	1		aflatoxin which could lead to mortality
	1		of fish. Fish harvesting may be carried out by
			complete dewatering of pond. After
		LUNGLEI	dewatering, the pond may be prepared
	3		for the next cycle by sundrying of
		w 8500	bottom, applying lime, manure, fertilizers etc.
		1	Fish needs to be monitored regularly to
	((19 20)	observe any sign of diseases and if
			disease is observed, consult expert
		30	immediately and water sample needs to
			be analyzed. Immediate measure of application of
		LAWNGTLAN	4
		SAINA	@50kg/ha and 1.5mg/l respectively in
			the pond helps in avoiding fish
		20	mortality.
		1141	8 P a g e

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SAIHA

LAWNGTLAL

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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: Lawngtlai Period: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/Mizo

	2.00	P	4		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	63	39	27	35	20
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	99	98	98
Min RH (%)	97	78	96	76	72
Wind Speed (KmpH)	10	6	2	3	4
*Wind Direction	S	S-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)

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 16th June – 20th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-26°C Minimum Tem. (°C):16-17°C Maximum RH (%):97-99% Minimum RH (%):79-95% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.21 km/hr

Rainfall: 99.6 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 11-12°C ni tura beisei a ni. RH san lai berin of 98-99% leh a hniam lai berin 72-97% ni tur a rin niin. Thli hi darkar khatah 2-10 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: 184.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

Date of issue: 15th June, 2018

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbandry advisories
FRUITS CROPS		Diseases	
KHASI	A Irvi otomeo	_0 E	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V comment of	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME)	GA N	4 Thlai naupang deuah chuan chawlh
	(3 4 /	kar tin a tui pek thin tur ani.
BANANA	- 7		♣ Leia tha mamawh tawk a hmuh
		1	theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	2		♣ A seng hma kar 6 chhung chu tui tha
Jim i Koii	J' MAMIT	()	taka pek hian a rah tla tur chelh nan
	5	LAIZAWL I	leh a rah than that nan te leh a rah
PLUM AND	1	Annual Control	keh tur lakah t a veng thei ani.
PEACH)	
	1	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	15	greening and Dieback	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	LAWNGTLALSAIHA	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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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
		thin a ni.
		♣ A rah hmin tha lo ho chu nuai sawm
7	1 2	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	borer	ani.
1	Doron Boron	♣ Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
4	1 1	ani.
¥.	1	♣ Seng bang zawng zawng chu uluka taka
T.	3	paih fai vek tur ani.
	27	♣ A thlai vennan a rah tlai ho chu paih vek
3 000	ACT.	tur ani.
J' MAI	M 1	Hmun dam lutukah dah loh tur.
7	LAIZAWL I	Boruak tha taka a hmuh theih nan leh a
1		rawn chawr no theih nan thlai chu uluk
1)	tak a hlawi tur ani.
1		 ♣ Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda
7		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
- 0		In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCH	
	(SERONI	robusta cherry 11.0 %.
V	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
4	(3)	♣ Bordeaux mixture 0.5% in February -
1		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	The state of the s	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS		
Rabi Maize A chin hui	7 2 2	Vaimim chinna tur atan lei kan let
		phut darh anga.
		Hei hian a rawn to chhuah na tur atan
	1 1	a pui dawn a ni.
	1 6 4	4 A chi chu kan lei leh saah chuan kan
	(dah ang.
	1	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
) 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
	176	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
	1/1/	3 P a g e

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



	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			***
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	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).	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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Mizoram Centre, Kolasib- 796081, MIZORAM

(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
į į	5	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Prev	entive 0-3 rd	week +	Ranikhet Disease- an pian atanga ni
	asures		1-6 ah F1 vaccine pek tur ani a, chuan
11100		- 3	a puitlingh chuan R ₂ B vaccine pek tur
	}	1	ani.
	5	4	B complex with antibodies
	4 th we	eeks 🔸	Coccidiosis- Amprolium or
	l		coccidiostat
	4-5 th W	eeks +	Calcium tonic fortified with B ₁₂
FISHERY	AVZAV	vi (CH	AMPAI:
	oring	4	Sangha te hi chaw a hmuar kai lo
Monito		1	chauh pek thin tur ani. Sangha chaw a
(Sangh		a l	lo hmuar anih chuan pek hma in ni sa
enkaw	(1)		a phoro phawt tur ani.
		y	Sangha chaw hi a hmuar lohna turin
	11		hmun ro leh uap lutuk lo ah dahthat
		SERCHNIP	tur ani a, hmuar atang a tur lo inseam
	V	Torrest Contract Cont	thin, aflatoxin avang a sangha thi lak
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		atangin sangha a him phah thin.
		4	Dil sah kang veka sangha man thin
	1	-	hian a kumleh a sangha khawinan a dil
	LUNGLEI		buatsaih a ti awlsam a, dil mawng
	- maritaness	T T	phoro, chinai phul, leitha hman leh tul
		en I	dang in dil buatsaih tur ani.
	71 17	(~ ·	Sangha te natna lak atangin an him em
		1 1	tih enfiah fo a tha a, natna hmuh anih
	1 19 2		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
		3	A ranglam a chinai @50kg/ha leh
	1 -3	4	tuisen @1.5mg/l diltui a hman hian
			sangha natna avang a thi tur lak
	LAWNGT	AL	atangin a veng thei.
		SAIHA	www.gar a rong tiron
		1	-J
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	1 h	1	

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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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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: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/English

	24 A	F.	5		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	51	82	41	30	28
Max Temp (°C)	29	29	28	28	27
Min Temp (°C)	15	15	14	14	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	99	92	99	77	74
Wind Speed (KmpH)	3	2	4	4	4
*Wind Direction	S-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)

Weather summary of the past three days

Maximum Tem. (°C):24-26°C

Minimum Tem. (°C):15-16°C Maximum RH (%):99-100%

Minimum RH (%):81-93%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.76 km/hr

Rainfall: 115.3 mm

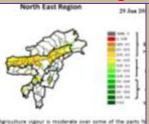
Weather forecast valid from 16thJune, 2018 To 20th June, 2018.

Date of issue: 15th June, 2018

There are chances of moderate to heavy and very heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-29°C and 14-15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 74-99%. 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: 232.0 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	C 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	NULHOID	be less, so drainage should be maintain
LIME	Stage	LA A	around the field properly.
	(3 4 /	By seeds: Seed should be sown in the
STAR FRUIT	7		nursery immediately after extraction in
	1	7	to a depth 1.5 to 2 cm extraction at
			10x5 cm distance. Seedlings are planted
PLUM AND	3 more		in secondary bed or polythene bags at 4-
PEACH	J' MAMIT		6 leaf stages.
	1	Z AIZAWIL I	→ Potting mixture of soil, sand and FYM or
		2	compost should be in proper ratio.
	1	1	♣ Application of split dose of fertilizer 600:
	160	8. 7	200:100 (g/pt).
	/		Only certified seed should be used.
	1 (~ Y	♣ 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
	(the best time for transplant or gap
			filling.
	Ji.		♣ Standard-size trees should be spaced 12
		MEMBER	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
			distance depends on the variety. The
	N.	O	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	Leaf minor- Spray confidor 0.05% (0.5
		Citrus greening, Dieback, Lamon	ml/lit of water) at each flush emergence.
	N.	butterfly and	Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	POP	icai minoi	G-10 8/ 10 02 11 acces
COFFEE	Blooming	₹ SAIHA	♣ If day temperature and prolong dry
COFFEE	stage	SAIN	spell occur it lead to Floral
	SLAGE		abnormalities like "Star Flower" in
		A a l	Arabica and "Pink Flower" in Robusta.
	l	6	
		1	2 P a g e

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3 | P a g e

	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	SERCHN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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			full size, develop attractive colour with optimum sugar and acid blend.		
Passion Fruit	Transplanting stage	KOLASIB	 ♣ 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 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. 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. 		
CEREALS AND	CEREALS AND PULSE CROPS				
Maize (Jhum)	Vegetative stage	SERCHH	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth. 		
Maize	Sowing stage	LAWNGTLAUSAIHA	 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) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and 		

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		remaining 25% after one month and
Jhum Rice Kharif pulses (Green gram, Black gram and	Germination stage Sowing stage	25% at flowering stage. According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth. Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.
Rajma)	\$	↓ Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	 ♣ 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	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to	According to forecast probability of

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	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
			maintain around the field properly.
	1	1	Larthing up soil for better growth and
	1	5	stability in root zone.
		KOLASIB	Don't use split dose of any nitrogenous
	1	Thomas and	fertilizer for better growth.
)	LA 1	If possible use straw mulch/ grass
	(1 1	mulch in row to prevent moisture loss and better growth of plant.
	1	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	1	Fruit Hy	or malathion 0.15 per cent suspension
	, J		containing sugar or jeggery at 10 g/l at
	MAMIT		fortnightly intervals at flowering and fruit
	7. 17670	\(initiation.
Cowpea	Vegetative	(ATZAWIL)	According to forecast probability of rain
	stage	1	will be moderate and temperature will
		3	be less, so drainage should be maintain
	9	2 8 6	around the field properly.
	1	1 3 4	■ Earthing up soil for better growth and
	in the Contract of the Contrac		stability in root zone.
		SEROUL	Don't use split dose of any nitrogenous
		SERCHN	
Okra	Vegetat <mark>ive</mark>		According to forecast probability of rain
	stage	1	will be moderate and temperature will
	1.0	9.3	be less, so drainage should be maintain around the field properly.
			Larthing up soil for better growth and
		LUNGLEI	stability in root zone.
	3		♣ Don't use split dose of any nitrogenous
		500	fertilizer for better growth.
Colocasia	Sowing stage	11	♣ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
	1	100	Sprouted corms or cormels are planted
		(F) A	5-7 deep at a spacing of 40-50 cm
		1	between and within rows in the pits.
		V	♣ Inorganic fertilizer like Urea, SSP and
		LAWNGTLAL	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages		4 Animals must keep in dry place or
			kept in alleviated area and dry bedding
		6	(straw) to be provided to young
		1	6 P a g e

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		Porcine Reproductive Respiratory	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) Culling of positive pigs or piglets.
Cattle	All age group	Syndrome (PRRS).	☐ In present weather conditions, special care should be taken against attack of
	1	SERCHH	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
	1	LUNGLEI	 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with
		M	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	LAWNGTLAL	 ♣ 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

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FISHERY	MAMIT	KOLASIB	 ♣ 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.
FISHERI	Monitoring of	(AIZAVI)	
	Monitoring of fish in pond	5	with feed that are free from fungus. If
	11011 111 [P0114	3 22	the fungal growth is observed in fish
	1		feed, the feed needs to be sundried for
	15		few days prior to feeding. Fish feed should be stored in cool and
		SERCHN	
		V-1	♣ oid fungal growth that releases
	1		aflatoxin which could lead to mortality
	1		of fish. Fish harvesting may be carried out by
			complete dewatering of pond. After
		LUNGLEI	dewatering, the pond may be prepared
	3		for the next cycle by sundrying of
		w 8500	bottom, applying lime, manure, fertilizers etc.
		1	Fish needs to be monitored regularly to
	((19 20)	observe any sign of diseases and if
			disease is observed, consult expert
		30	immediately and water sample needs to
			be analyzed. Immediate measure of application of
		LAWNGTLAN	l sel s
		SAINA	@50kg/ha and 1.5mg/l respectively in
		1	the pond helps in avoiding fish
		20	mortality.
		1141	8 P a g e

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lunglei Period: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/Mizo

		P.	3.0		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	51	82	41	30	28
Max Temp (°C)	29	29	28	28	27
Min Temp (°C)	15	15	14	14	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	99	92	99	77	74
Wind Speed (KmpH)	3	2	4	4	4
*Wind Direction	S-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 (250.30mm)

Saiha- 109.52 mm

Kolasib- 352.38mm (380.9mm)

(341.8mm) Lawngtlai-321.51mm

Lunglei-344.00mm

(87.2mm) Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)
Weather summary of the past

(186.21mm) t 16th Jun (442.80mm)

(259.8mm)

three days

Maximum Tem. (°C):24-26°C
Minimum Tem. (°C):15-16°C
Maximum RH (%):99-100%
Minimum RH (%):81-93%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.76 km/hr

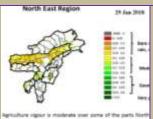
Rainfall: 115.3 mm

16th June – 20th 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 27-29°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 74-99% 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: 232.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 15th June, 2018

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Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga a seng hun	KOLASIB	♣ Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.
)	ly)	♣ Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
\$ MAMIT	AIZAVA	♣ 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
)	keh tur lakah t a veng thei ani.
15	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.
	LUNGER	
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.
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP All stages

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	A15	Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
		thin a ni.
	/	♣ A rah hmin tha lo ho chu nuai sawm
	./ ?	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	borer	ani.
Α	f., «	♣ Hmaih neih nuaih loh tur ani.
)	ary)	♣ Sneg hmaih te lakkhawma paih vek tur
\$	2 1	ani.
3		4 Seng bang zawng zawng chu uluka taka
£	1	paih fai vek tur ani.
	77	4 A thlai vennan a rah tlai ho chu paih vek
MAMIT		tur ani.
7. 10.000		Hmun dam lutukah dah loh tur.
3.0	Z ATZAWIL /	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		tak a hlawi tur ani.
1	1	Chuan hei hian kah tur ani. Quinalphos 25
1	3 6 6	EC @ 340 ml/200 lit emaw lamda
		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
2		♣ In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
	1	robusta cherry 11.0 %.
χ	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 (Premonsoon) ah kah chhunzawm tur ani.
CREALS AND PULSE CROPS		monsoon) an kan chinunzawin tur am.
Rabi Maize A chin hun	273	♣ Vaimim chinna tur atan lei kan let
Ti chini han	11	phut darh anga.
	3	Hei hian a rawn to chhuah na tur atan
	19 78 P	a pui dawn a ni.
K		4 A chi chu kan lei leh saah chuan kan
	-3	dah ang.
		A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAL	sawngbawl hmasa anga.
	The state of the s	20-25 kg/ha vel a chi thlak hi a tawk
		vel viau ani.
		A chi tuh hma in lei leh FYM @5-10
	1 2 1	
	to I	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh 3 P a g e

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Carlana	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy)	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	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
	-7	500	ani. Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		75	tur ani .
Early Cole	Black spot	20 7	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		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 an yangin a hash ah thil dum rayun
			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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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	(1-6 ah F1 vaccine pek tur ani a, chuan
		W)		a puitlingh chuan R2B vaccine pek tur
)			ani.
)	5	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	/ MAINIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	ATZAVVI.	CH	AMPAL
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 5		lo hmuar anih chuan pek hma in ni sa
	OIIII WII	1 3 7		a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turin
		SERCH	at each	hmun ro leh uap lutuk lo ah dahthat
		SERUM	11	tur ani a, hmuar atang a tur lo inseam
	V			thin, aflatoxin avang a sangha thi lak
		154		atangin sangha a him phah thin.
		93	-	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	60	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul
	1	5	1	dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em
		11	7	tih enfiah fo a tha a, natna hmuh anih
			1	chuan mithiam te rawn vat a, diltui
		7 661	8	enfiah vat tur ani.
		1 7 3	4	A ranglam a chinai @50kg/ha leh
		1	8	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	4	
				T-1
		1	1	9
		60	1	

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LAWNGTLAL

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District: Mamit Period: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/English

		P	4		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	15	30	26	35	49
Max Temp (°C)	26	26	25	24	24
Min Temp (°C)	22	22	21	21	21
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	99	98	99
Min RH (%)	79	85	96	72	57
Wind Speed (KmpH)	4	2	7	5	7
*Wind Direction	S-E	S-E	S	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)

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):26-28°C Minimum Tem. (°C):17-19°C

Maximum RH (%):99-100% Minimum RH (%):74-95%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.29 km/hr

Rainfall: 112.6 mm

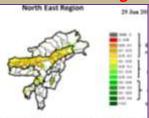
Weather forecast valid from 16thJune, 2018 To 20th June, 2018.

Date of issue: 15th 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 24-26°C and 21-22°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 57-96%. Wind direction would be southeasterly to southerly and southeasterly with the wind speed of 2-7 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 155.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	C" 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	NULHOID	be less, so drainage should be maintain
LIME	Stuge	LA	around the field properly.
	(3 4 /	By seeds: Seed should be sown in the
STAR FRUIT	7		nursery immediately after extraction in
	1	7	to a depth 1.5 to 2 cm extraction at
	1		10x5 cm distance. Seedlings are planted
PLUM AND	3 more		in secondary bed or polythene bags at 4-
PEACH	MAMIT		6 leaf stages.
	1	Z AIZAWIL I	→ Potting mixture of soil, sand and FYM or
		2	compost should be in proper ratio.
	1	1	♣ Application of split dose of fertilizer 600:
	4	8. 7	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
	(the best time for transplant or gap
			filling.
	Ji		Standard-size trees should be spaced 12
	1	A Charles and	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The
	N.	Commercial	bigger the fruit, the farther the distance. Lamon butterfly- Spray monocrotophos
		Gummosis, citrus Canker,	@0.04% @1.2 ml/lt of water.
	1	Citrus canker, Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
	N .	butterfly and	4 Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	POP	IVAI IIIIIVI	<u> </u>
COFFEE	Blooming	F SAIHA	♣ If day temperature and prolong dry
	stage	(SAIN	spell occur it lead to Floral
	Stage		abnormalities like "Star Flower" in
		1 2 1	Arabica and "Pink Flower" in Robusta.
	<u> </u>	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	SERCHN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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			full size, develop attractive colour with
Passion Fruit	Transplanting		optimum sugar and acid blend. High yielding mother vine with good
rassion Fluit	stage	KOLASIB	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
			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.
	MAMIT	AIZAWL	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.
CEREALS AND	PULSE CROPS		
Maize (<i>Jhum</i>)	Vegetative stage	SERCHH	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 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) for desire plant population. Apply well decomposed FYM @ 5-10
		SAIHA	t/ha along with $80:60:40 \text{ kg N}$, P_2O_5 and K_2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and

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			remaining 25% after one month and 25% at flowering stage.
Jhum Rice	Germination stage	KOLASIB	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 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		 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	SERCHH	 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	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to	A STATE OF THE STA	According to forecast probability of
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	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
		5	maintain around the field properly.
	1 1	1	Larthing up soil for better growth and
		5	stability in root zone. Don't use split dose of any nitrogenous
		KOLASIB	fertilizer for better growth.
	(If possible use straw mulch/ grass
)	WAY 3	mulch in row to prevent moisture loss
	\$	2 1	and better growth of plant.
	1	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
	- 2		containing sugar or jeggery at 10 g/l at
	/ MAMIT	()	fortnightly intervals at flowering and fruit
Corres	Vogototimo	LAIZAWIL I	initiation.
Cowpea	Vegetative	Canesaure 1	According to forecast probability of rain will be moderate and temperature will
	stage)	be less, so drainage should be maintain
	1	8 6 7	around the field properly.
	- 1		♣ Earthing up soil for better growth and
			stability in root zone.
	1		♣ Don't use split dose of any nitrogenous
		SERCHN	
Okra	Vegetative	V	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
	1		be less, so drainage should be maintain
	- 1		around the field properly.
		LUNGLEI	Larthing up soil for better growth and
	3	THE STATE OF THE S	stability in root zone. Don't use split dose of any nitrogenous
		500	fertilizer for better growth.
Colocasia	Sowing stage	17	♣ Planting is done well prepared land or
COlocusia	bowing stage		pits filled up with FYM (12-15) t/ha
		155	Sprouted corms or cormels are planted
		(F3 A	5-7 deep at a spacing of 40-50 cm
		1	between and within rows in the pits.
		V. a.	4 Inorganic fertilizer like Urea, SSP and
		LAWNGTLAN	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages		4 Animals must keep in dry place or
		1 2 1	kept in alleviated area and dry bedding (straw) to be provided to young
		6	. , ,
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	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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.
Cattle	All age group	AIZAWA. SERCHH 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. 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	LAWNGTLAUSAIHA	 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

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FIGURDA		 ♣ 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	LAIZAWI	CHAMPAI
Monitoring of fish in pond		 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 for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of
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LAWNGTLAL

CHAMPAI

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Bulletin No: - 799/2018/ Bulletin/Mizo

	0.00	P	5.0		
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	15	30	26	35	49
Max Temp (°C)	26	26	25	24	24
Min Temp (°C)	22	22	21	21	21
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	99	98	99
Min RH (%)	79	85	96	72	57
Wind Speed (KmpH)	4	2	7	5	7
*Wind Direction	S-E	S-E	S	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)

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

16th June – 20th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

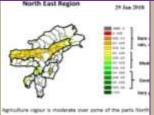
Maximum Tem. (°C):26-28°C
Minimum Tem. (°C):17-19°C
Maximum RH (%):99-100%
Minimum RH (%):74-95%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.29 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 24-26°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 57-96% ni tur a rin niin. Thli hi darkar khatah 2-7 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: 112.6 mm

Weekly cumulative rainfall: 155.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 15th June, 2018

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbanuty auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	V comment	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng 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
	f.	5 1	theihna turin a hmunhma a hnim awm
CMAD EDIUM		/	te thlawhfai thin tur ani.
STAR FRUIT	MAINIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	\$	100000	leh a rah than that nan te leh a rah
PLUM AND	1	(AIZAWL	keh tur lakah t a veng thei ani.
PEACH	1	5	
	Acc.	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	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.
	1)	Dieback	The state of the s
		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		LUNGLEI	
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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			Homosting Stogo
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	1	P 3	♣ A rah hmin tha lo ho chu nuai sawm
	1 \	20	hmain an thliar hrang leh vek thin ani.
	land.	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	\ \	F	→ Hmaih neih nuaih loh tur ani.
)	GP)	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1	1000	♣ Seng bang zawng zawng chu uluka taka
	J.		paih fai vek tur ani.
		201	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	X 7	Hmun dam lutukah dah loh tur.
	S	Z AIZAWL Z	♣ Boruak tha taka a hmuh theih nan leh a
	1		rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani.
	3	500	Chuan hei hian kah tur ani. Quinalphos 25
	1	1 1	EC @ 340 ml/200 lit emaw lamda
	1 0		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	Ac V		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHH	parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		Collee Rust	dang te paihpaih vek tur ani.
	1		Bordeaux mixture 0.5% in February -
	J.		March (Pre-bloom) a kah phawt a,
	The same of the sa	A DEL CONTROL OF THE PARTY OF T	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		, , , , , , , , , , , , , , , , , , , ,
Rabi Maize	A chin hun	500	→ Vaimim chinna tur atan lei kan let
		1	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	(1 3 20	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		-5	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
			sawngbawl hmasa anga.
		SAIHA	
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		12 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 1 1	3 P a g e

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	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	2	wy)	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5 1	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	1	/	khuh tur ani.
rice fellow Potato	Carrier store	1	♣ Muangchang loving alu chin na tur
Potato	Sowing stage	Z AIZAWL Z	chu buatsaih vat tur ani.
	1		♣ Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 54	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		4 A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
VEGETABLE CR	OP	No. large	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease	100	natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	The state of the s	hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
		17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Early Cole	Black spot		tur ani . 4 A than a that theih nan nikhat danah
crop	disease	20	tui pek thin tur ani.
		I comment as a	4 Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAL	hnim ring vawm khawm hi tui pek
		(SAINA	zawhah dah tur ani. Likhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn
	<u> </u>	m 1 1	- ca rangin a mian an ann admi lawii

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	5		awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
		KOLASIB	@ 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
	- {	Z AIZAVAL	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	LAWNGTLAN	 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
		SAIHA	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
	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,
	3.7	1		an chaw eitur thlak sak thut loh tur
	1	V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	7	7		a puitlingh chuan R2B vaccine pek tur
	2			ani.
)	5 6	_	B complex with antibodies
	1	4 th weeks	+	Coccidiosis- Amprolium or
				coccidiostat
	J. INAUNIT	4-5 th Weeks	4	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	5		chauh pek thin tur ani. Sangha chaw a
	enkawl)	100		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	(p)	hmun ro leh uap lutuk lo ah dahthat
		V-		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
	716	AUTO AND STATE OF THE STATE OF		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
	- 7	1	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1 7 6	8	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
		LINGS THE ALL ST		sangha natna avang a thi tur lak
		LAWNGTLAL		atangin a veng thei.
		SAIHA	1)
			Prin	7
		1 2 1		2
		60	100	

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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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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 16 June - 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/English

Date of issue: 15th June, 2018

Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	87	34	26	28	36
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	99	100	100	99
Min RH (%)	99	81	98	86	76
Wind Speed (KmpH)	11	4	2	4	2
*Wind Direction	S	S-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)

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):22-24°C Minimum Tem. (°C):16-17°C

Maximum RH (%):98-100%

Minimum RH (%):78-92%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.39 km/hr

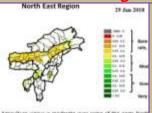
Rainfall: 125.3 mm

Weather forecast valid from 16thJune, 2018 To 20th June, 2018.

There are chances of moderate to heavy and very heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 11-12°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 76-99%. Wind direction would be southerly to 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: 211.0 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	C" 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	NULHOID	be less, so drainage should be maintain
LIME	Stage	LA	around the field properly.
	(3 4 /	By seeds: Seed should be sown in the
STAR FRUIT	7		nursery immediately after extraction in
	1	7	to a depth 1.5 to 2 cm extraction at
	1		10x5 cm distance. Seedlings are planted
PLUM AND	3 more		in secondary bed or polythene bags at 4-
PEACH	MAMIT		6 leaf stages.
	1	Z AIZAWIL I	→ Potting mixture of soil, sand and FYM or
		2	compost should be in proper ratio.
	1	1	♣ Application of split dose of fertilizer 600:
	4	8. 7	200:100 (g/pt).
			Only certified seed should be used.
	1 (~ Y	♣ 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
			the best time for transplant or gap
		100	filling.
	Ji.		♣ Standard-size trees should be spaced 12
		MEMBER	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
			distance depends on the variety. The
		O	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.
	1	citrus Canker,	Leaf minor- Spray confidor 0.05% (0.5
		Citrus greening,	ml/lit of water) at each flush emergence.
	N.	Dieback, Lamon butterfly and	Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	POP	icai minoi	G-10 8/ 10 02 11 acces
COFFEE	Blooming	₹ SAIHA	♣ If day temperature and prolong dry
COFFEE	stage	SAIN	spell occur it lead to Floral
	Stage		abnormalities like "Star Flower" in
		A a l	Arabica and "Pink Flower" in Robusta.
	l	6	
		1	2 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)



	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	SERCHH	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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			full size, develop attractive colour with
Passion Fruit	M		optimum sugar and acid blend. High yielding mother vine with good
Passion Fruit	Transplanting stage	KOLASIB	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
	}		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.
	MAMIT		Grafting:
	E INFONTE	AIZAWL	➡ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is
	1	(grafted using wedge or approach
CEREALS AND	PILLSE CROPS	h:	method of grafting.
Maize	Vegetative		♣ According to forecast probability of rain
(Jhum)	stage		will be moderate to high and
, ,		SERCHH	temperature will be less, so drainage should be maintain around the field
	1		properly.
	7		Earthing up soil for better growth and stability in root zone.
		LUNGI FI	♣ Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	**************************************	Two to three plough are necessary to
	- 1	500	get the soil well pulverized and weed
		11 / 2	free.
	1		Seed is being placed in furrows.Seed should be treated with Thiram
		17.5	@4 g/kg seed.
	1) F3 7	Use optimum seed rate (20-25 kg/ha)
			for desire plant population.
		LAWNGTLAN	Apply well decomposed FYM @ 5-10
		SAIHA	t/ha along with 80:60:40 kg N, P_2O_5 and K_2O/ha incorporate with soil
			before sowing. Half nitrogen dose will
		1 = 1	use at the time of sowing and
		6	

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		remaining 25% after one month and
Jhum Rice Kharif pulses (Green gram, Black gram and	Germination stage Sowing stage	25% at flowering stage. According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth. Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.
Rajma)	ζ	Use PSB 2g/kg for better germination.
Ginger and turmeric	Sowing stage	 ♣ 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	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to	According to forecast probability of

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	flowering		rain will be moderate and temperature	
	stage		will be less, so drainage should be	
		1	maintain around the field properly.	
	1 1	1	Larthing up soil for better growth and	
	1 1	5	stability in root zone.	
		KOLASIB	Don't use split dose of any nitrogenous fertilizer for better growth.	
	1		If possible use straw mulch/ grass	
)	CA.	mulch in row to prevent moisture loss	
	(1 1	and better growth of plant.	
	3	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent	
	1		or malathion 0.15 per cent suspension	
		/	containing sugar or jeggery at 10 g/l at	
	MAMIT		fortnightly intervals at flowering and fruit	
	77 . 4 4 1	0.070000	initiation.	
Cowpea	Vegetative	(AIZAWIL)	According to forecast probability of rain	
	stage	5	will be moderate and temperature will be less, so drainage should be maintain	
	1	1 2	around the field properly.	
	1		■ Earthing up soil for better growth and	
	2 6		stability in root zone.	
			♣ Don't use split dose of any nitrogenous	
		SERCHN		
Okra	Vegetative	V	♣ According to forecast probability of rain	
	stage		will be moderate and temperature will	
		100	be less, so drainage should be maintain	
	1		around the field properly.	
	1	LUNGLEI	♣ Earthing up soil for better growth and	
		PANAGE IN	stability in root zone.	
		y*******	Don't use split dose of any nitrogenous	
0-1	0	7	fertilizer for better growth.	
Colocasia	Sowing stage		Planting is done well prepared land or pits filled up with FYM (12-15) t/ha	
	((19 20)	Sprouted corms or cormels are planted	
			5-7 deep at a spacing of 40-50 cm	
		30	between and within rows in the pits.	
			♣ Inorganic fertilizer like Urea, SSP and	
		LAWNGTLAN	MOP @ 220: 375: 134 kg.	
ANIMAL HUSBENDARY				
Pig	All stages		4 Animals must keep in dry place or	
		1	kept in alleviated area and dry bedding	
		pl N	(straw) to be provided to young	
		1	6 P a g e	

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		Porcine Reproductive Respiratory	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) Culling of positive pigs or piglets.
Cattle	All age group	Syndrome (PRRS).	♣ In present weather conditions, special care should be taken against attack of
		SERCHH	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
	1	LUNGLEI	followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	LAWNGTLAUSAIHA	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed

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FISHERY	MAMIT	KOLASIB	 ♣ 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.
FISHERI	Monitoring of	(ATZAWI)	♣ Care should be taken that fish are fed
	Monitoring of fish in pond	5	with feed that are free from fungus. If
	11011 111 11011	a cal	the fungal growth is observed in fish
	1		feed, the feed needs to be sundried for
	1.5		few days prior to feeding. Fish feed should be stored in cool and
		SERCHN	
	1	V	4 oid fungal growth that releases
	1		aflatoxin which could lead to mortality of fish.
	1		Fish harvesting may be carried out by
		0.000	complete dewatering of pond. After
		LUNGLEI	dewatering, the pond may be prepared
	1/		for the next cycle by sundrying of
	-	n 8~	bottom, applying lime, manure, fertilizers etc.
			Fish needs to be monitored regularly to
		19 20	observe any sign of diseases and if
		(())	disease is observed, consult expert
		1	immediately and water sample needs to be analyzed.
		LAWNGTLAL	
		SAIHA	lime and potassium permanganate
		(@50kg/ha and 1.5mg/l respectively in
			the pond helps in avoiding fish
		P N	mortality.
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/Mizo

Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	87	34	26	28	36
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	99	100	100	99
Min RH (%)	99	81	98	86	76
Wind Speed (KmpH)	11	4	2	4	2
*Wind Direction	S	S-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)

 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

16th June – 20th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

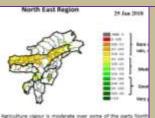
Maximum Tem. (°C):22-24°C
Minimum Tem. (°C):16-17°C
Maximum RH (%):98-100%
Minimum RH (%):78-92%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 4.39 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 11-12°C ni tura beisei a ni. RH san lai berin of 99-100% leh a hniam lai berin 76-99% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 125.3 mm

Weekly cumulative rainfall: 211.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 15th 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 otomeo	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	}	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
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
		20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanta	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	160	1 - 1	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
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	Α	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-
CEDEALC AND I	DILL CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND			Weigning things then the let less let
Rabi Maize	A chin hun	17 ()	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
		2 1 3 3	a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		6 C	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			# m
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	LAWNGTLALSAIHA	 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

(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
	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
	} meanit	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	7	4-5 th Weeks		Calcium tonic fortified with B ₁₂
(S	onitoring angha 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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*Wind Direction

GRAMIN KRISHI MAUSAM SEWA

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



S-E

District: Serchhip Period: 16 June - 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/English

	1. 1.	F.	(
Parameters	16.06.2018	17.06.2018	18.06.2018	19.06.2018	20.06.2018
Rainfall (mm)	40	46	50	14	44
Max Temp (°C)	23	23	22	22	21
Min Temp (°C)	12	12	11	11	11
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	96	94	99	75	70
Wind Speed (KmpH)	2	2	3	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)

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

S-E

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

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):25-26°C Minimum Tem. (°C):18-19°C

Maximum RH (%):99-100%

Minimum RH (%):71-95%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 5.38 km/hr

Rainfall: 126.95 mm

Weather forecast valid from 16th June, 2018 To 20th June, 2018.

S-E

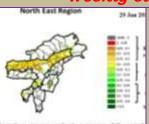
Date of issue: 15th June, 2018

S-E

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 21-23°C and 11-12°C. Maximum relative humidity is expected in the range of 100% and minimum may from 70-99%. Wind direction would be southerly 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: 194.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 5	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	(be less, so drainage should be maintain
LIME	J	W 7	around the field properly.
STAR FRUIT	(1 1	By seeds: Seed should be sown in the
SIAK FRUII	3	Comp.	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at
PLUM AND		//	10x5 cm distance. Seedlings are planted
PEACH	MAMIT		in secondary bed or polythene bags at 4-6 leaf stages.
PEACH	\$	AIZAWL	→ Potting mixture of soil, sand and FYM or
	1	CONTENTAL:	compost should be in proper ratio.
	1)	♣ Application of split dose of fertilizer 600:
	1	1000	200:100 (g/pt).
	1		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
			the best time for transplant or gap
	1		filling. Standard size trace should be speed 10.
	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	maran-anal)	distance depends on the variety. The
	20/1	esc.	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 @0.6 g/lt of water.
PLANTATION CR	OD	leaf minor	wo.0 g/11 of water.
COFFEE		1	☐ If day temperature and prolong dry ☐ If day
COFFEE	Blooming	SAIH/	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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3 | P a g e

	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	SERCHN	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Start planting newly established place. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. Fruits are harvested when they attain

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4 | P a g e

	size, develop attractive colour with
	mum sugar and acid blend.
stage qua sho \$\dag{4} A c	h yielding mother vine with good lity fruits and free of virus diseases uld be selected to provide cuttings. cutting should contain at least 3 is and must be planted in sand
↓ 10- and app	12 kg of well rotten organic manure 225 gm rock phosphate should be ly at time of planting to each pit as al dose application.
The plan sect graf	root stock of yellow Passion fruit is need in polythene sleeves and the ion from Rahangala hybrid is ted using wedge or approach hod of grafting.
CEREALS AND PULSE CROPS	
(Jhum) stage will tem sho proj # Ear stak # Use	be moderate to high and perature will be less, so drainage uld be maintain around the field perly. Thing up soil for better growth and polity in root zone. split dose of any nitrogenous dizer for better growth.
get free \$\\ \$\\ \$\\ \$\\ \$\\ \$\\ \$\\ \$\\ \$\\ \$\\	the soil well pulverized and weed et. ed is being placed in furrows. ed should be treated with Thiram g/kg seed. e optimum seed rate (20-25 kg/ha) desire plant population. ply well decomposed FYM @ 5-10 ha along with 80:60:40 kg N, P ₂ O ₅ d K ₂ O/ha incorporate with soil fore sowing. Half nitrogen dose will et at the time of sowing and

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			remaining 25% after one month and
Jhum Rice	Germination stage	KOLASIB	 25% at flowering stage. According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CRO	Sowing stage		fertilizer for better growth. 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	SERCHH	 ♣ 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	LAWNGTLANSAIHA	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals.
Chilli	Vegetative to	1 2 1 7	4 According to forecast probability of
		614	5 P a g e

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	flowering		rain will be moderate and temperature
	stage		will be less, so drainage should be
			maintain around the field properly.
	1	1	Larthing up soil for better growth and
	1	5	stability in root zone.
		KOLASIB	Don't use split dose of any nitrogenous
	1	110000000	fertilizer for better growth.
)	LA 1	If possible use straw mulch/ grass
	(1 1	mulch in row to prevent moisture loss and better growth of plant.
	1	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	1	Fruit Hy	or malathion 0.15 per cent suspension
	, J		containing sugar or jeggery at 10 g/l at
	MAMIT		fortnightly intervals at flowering and fruit
	7. 17670	\(initiation.
Cowpea	Vegetative	(ATZAWIL)	According to forecast probability of rain
	stage	1	will be moderate and temperature will
		3	be less, so drainage should be maintain
	9	2 8 6	around the field properly.
	1	1 3 4	■ Earthing up soil for better growth and
	in the second		stability in root zone.
		SEROUL	Don't use split dose of any nitrogenous
		SERCHN	
Okra	Vegetative		♣ According to forecast probability of rain
	stage	1	will be moderate and temperature will
	1.0	9.3	be less, so drainage should be maintain around the field properly.
			Larthing up soil for better growth and
		LUNGLEI	stability in root zone.
	3		♣ Don't use split dose of any nitrogenous
		500	fertilizer for better growth.
Colocasia	Sowing stage	11	Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
	1	100	Sprouted corms or cormels are planted
			5-7 deep at a spacing of 40-50 cm
		1	between and within rows in the pits.
		V. a	♣ Inorganic fertilizer like Urea, SSP and
		LAWNGTLAN	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages		4 Animals must keep in dry place or
		1 = 1	kept in alleviated area and dry bedding
		6	(straw) to be provided to young
		1 1	6 P a g e

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	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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.
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. 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
Poultry	All age group	LAWNGTLAL	teamed short. 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

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FISHERY	MAMIT	KOLASIB	 ♣ 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.
	Monitoring of	Saleana	♣ Care should be taken that fish are fed
	fish in pond	3	with feed that are free from fungus. If the fungal growth is observed in fish
			feed, the feed needs to be sundried for
	3 5		few days prior to feeding. Fish feed should be stored in cool and
		SERCHN	
	1	V	♣ oid fungal growth that releases
	5		aflatoxin which could lead to mortality of fish.
	1		Fish harvesting may be carried out by
	100	NAME OF THE OWNER	complete dewatering of pond. After
		LUNGLEI	dewatering, the pond may be prepared
	1	000	for the next cycle by sundrying of bottom, applying lime, manure,
	-	17 12	fertilizers etc.
	1		Fish needs to be monitored regularly to
		1751	observe any sign of diseases and if disease is observed, consult expert
		1 -9 1	immediately and water sample needs to
			be analyzed.
		LAWNGTLAND	↓ Immediate measure of application of lime and potassium permanganate
		SAIHA	@50kg/ha and 1.5mg/l respectively in
			the pond helps in avoiding fish
		201	mortality.
		1146	8 P a g e

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SAIHA

LAWNGTLAL

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



(380.9mm)

District: Serchhip Period: 16 June – 20 June, 2018

Bulletin No: - 799/2018/ Bulletin/Mizo

	1	P.	1		
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Max RH (%)	100	100	100	100	100
Min RH (%)	96	94	99	75	70
Wind Speed (KmpH)	2	2	3	2	2
*Wind Direction	S	S-E	S-E	S-E	S-E

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

Status of Pre Monsoon- 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)

ngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchl

Weather summary of the past three days

16th June – 20th June, 2018 chhunga sik leh sa dinhmun tur tlangpui

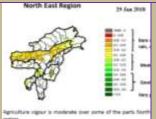
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Maximum RH (%):99-100%
Minimum RH (%):71-95%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 5.38 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-23°C a ni ang a. A vawh lai ber in 11-12°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 70-99% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 126.95 mm

Weekly cumulative rainfall: 188.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

Date of issue: 15th June, 2018

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



FRUITS CROPS KHASI MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH Gummosis, citrus greening and Dieback Fruit fly Fruit f	Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
## Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. ## 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. ## Leia tha mamawh tawk a hmuh theihna urin a hmunhma a hnim awm te thlawhfai thin tur ani. ## 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 ken tur lakah t a veng thei ani. ## Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordaux past hi thing zar leh a trangah te hnawih tur ani. ## Huan zau takah chuan a par tan tirh leh a rah tan tirin chawhkar hnih chhung chu heng te hian enkawl tur ani. and the thing car leh a trangah te hnawih tur ani. ## Huan zau takah chuan a par tan tirh leh a rah tan tirin chawhkar hnih chhung chu heng te hian enkawl tur ani. and the phosphobacterium a enkawl tur ani. ## A chi hi December - January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ## A chi hi December - January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ## Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.			1 -	ilusballury auvisories
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 ♣ 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 			PONOTEI	Nursery stage
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		TILL DUNGOU	_	
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			- En	
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			11	4 A chi hi December – January ah hmun
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			P \(\(\)	zawl/rualrem 1.5 - 2.5 cm a in hlatin
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			1 1	7
♣ 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			1 55 4	
nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu				
ani. Ni 45 hnu velah a tiak thin a,chu chu			LIAWNGTI ALS	
♣ Ni 45 hnu velah a tiak thin a,chu chu			the state of the s	The state of the s
			(()	3.111
			1	bag ah an sawn chhuak leh thin ani.
Dag an an sawn childak ich thin am.			2 5	bag an an sawn childak ich tilli dill.

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		-	Homosting Store
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	100	6 2	♣ 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
		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.
	J		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 I	rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	- 7	Chuan hei hian kah tur ani. Quinalphos 25
	160	1 6 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
	1)		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-
CERRAIC AND I	WILLIAM OF OPODO		monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		200	
Rabi Maize	A chin hun	W 5 %	Vaimim chinna tur atan lei kan let
			phut darh anga.
	1	Var and V	Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
		1 -4	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		1	♣ 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
		001	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
_		1111	3 P a g e

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Combos varia	57		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	w)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	f.	5 2	→ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	2		khuh tur ani.
rice fellow Potato	Sowing stage	1	♣ Muangchang loving alu chin na tur
1 0 0 0 0 0	Downing Stage	(AIZAWL)	chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	1	lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai
	- 1		taka thlawh hmasak tur ani.
	1.0	~ 7	♣ A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		(~)	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		0011 p 011 0111 0011
Tomato	Bacterial Bacterial		4 Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk
		LUNGLEI	hmunah chuan natna an kai hma bik
	1		ani.
	5	n Em	Tomato hi a uai a, a thih mai loh nan
		3	Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah
	(1500	tur ani .
Early Cole	Black spot	1 63 4	👃 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
		LAWNGTLAN	♣ Thlai bul vawn hnawn nana thlai bula 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
		Production of the second	

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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	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.
	1	5 6		B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	3			coccidiostat
	T MAGNIT	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 0		-	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
			40	atangin sangha a him phah thin. Dil sah kang veka sangha man thin
			5	hian a kumleh a sangha khawinan a dil
		NAME OF THE OWNERS OF THE OWNER,		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
			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
		A CHARLETT ALL S		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA)
			Prin	7
		1 2		2
		60	1	

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