

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: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

	1. 1	P	5		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	29	45	50	34
Max Temp (°C)	31	30	29	28	29
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	95	96	98	98	96
Min RH (%)	65	71	81	79	72
Wind Speed (KmpH)	3	4	4	4	3
*Wind Direction	S-E	S-E	S-E	S-E	E

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

Status of Pre Monsoon- 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 27th June – 01st July, 2018 chhunga sik leh sa three days

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):18-20°C Maximum RH (%):86-96% Minimum RH (%):72-81% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.41 km/hr

Rainfall: 16.3 mm

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 13-14°C ni tura beisei a ni. RH san lai berin of 96-98% leh a hniam lai berin 65-81% 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.

Weekly cumulative rainfall: 176.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

Date of issue: 26th June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A 1 14 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	1	U. BOTOL	♣ Hmaih neih nuaih loh tur ani.
)	DA 3	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	Υ.	1	♣ Seng bang zawng zawng chu uluka taka
		3	paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	S consumer		tur ani.
	MAMIT		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
))	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda
	- //		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		↓ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		(Control of the cont	robusta cherry 11.0 %.
	V	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		1	dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
	310		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
			monsoon) ah kah chhunzawm tur ani.
CEREALS AND		270	
Rabi Maize	A chin hun	7 7	→ Vaimim chinna tur atan lei kan let
	1	31	phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	į.	2 1 1 1	a pui dawn a ni.
	11) -4 7	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leaven and	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	6/
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh $80:60:40$ kg N, P_2O_5 leh
		1 / 1	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			***
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		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		1-6 ah F1 vaccine pek tur ani a, chuan
	mousures	GP)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
)	STATE	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		AIZAWL	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	1	chauh pek thin tur ani. Sangha chaw a
		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.
	1		4	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	>	F-713-20-1-11	1	phoro, chinai phul, leitha hman leh tul
	1	y****	1	dang in dil buatsaih tur ani.
		17	+	Sangha te natna lak atangin an him em
			10	tih enfiah fo a tha a, natna hmuh anih
	1	(19 20)	3	chuan mithiam te rawn vat a, diltui
			2	enfiah vat tur ani.
		1 -2	-	A ranglam a chinai @50kg/ha leh
			169	tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak
		LAWNGTLAL		atangin a veng thei.
		F SAIH	À	atangin a veng tilei.
			1	7
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SAIHA

LAWNGTLAL

CHAMPAI

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Bulletin No: - 802/2018/ Bulletin/English

	0.00	P	3.0		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	17	14	23	43	58
Max Temp (°C)	32	31	30	28	30
Min Temp (°C)	18	18	17	16	17
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	100	99
Min RH (%)	70	70	81	88	71
Wind Speed (KmpH)	2	3	5	3	3
*Wind Direction	E	S-E	S-E	E	E

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

Status of Pre Monsoon- 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):24-25°C Minimum Tem. (°C):18-19°C

Maximum RH (%):91-96%

Minimum RH (%):72-85% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy
Wind speed: 3.16 km/hr

Rainfall: 18.8 mm

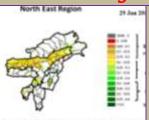
Weather forecast valid from 27thJune, 2018 To 01st July, 2018.

Date of issue: 26th June, 2018

There are chances of heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-32°C and 16-18°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 70-88%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 2-3 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	e 1	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	NULHOID	maintain soil moisture in the field properly.
LIME	stage	LA.	♣ By seeds: Seed should be sown in the
CMAD DDIIIM	(1 1	nursery immediately after extraction in
STAR FRUIT	3	The second second	to a depth 1.5 to 2 cm extraction at
	f.	(10x5 cm distance. Seedlings are planted
	, J	7	in secondary bed or polythene bags at 4-
PLUM AND	2 MAMIT		6 leaf stages. Water must b provide
PEACH	7 1/1/2011	A CONTRACTOR OF THE PARTY OF TH	every alternate days.
	1	(AIZAWL)	→ Potting mixture of soil, sand and FYM or
	1	200	compost should be in proper ratio.
	1	(Application of split dose of fertilizer 600:
	9	1 66	200:100 (g/pt). 4 Only certified seed should be used.
	1	_ V 3 N	
	No S		avoided.
		SERCH	In the citrus belt, trees can be planted
		SERUM	at any time; however, pre-monsoon is
	y .		the best time for transplant or gap
		5	filling.
	14	(1)	Standard-size trees should be spaced 12
			to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3	The Leville and I	distance depends on the variety. The
	27/1	500	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos
)	citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	4 Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	# SAIHA	
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		00	Arabica and "Pink Flower" in Robusta.
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	MAMIT	KOLASIB	 Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage		According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	36	1 6	properly.
)		Start planting newly established place.
)		4 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be apply at time of planting to each pit as
	1	V to	basal dose application.
	5		 Provide irrigation every alternative day.
			♣ Basin clearing of all plant.
	200	Millionetto	Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly established orchard.
Oil plam	Vegetative/	-8-	According to forecast probability of less
F	Harvesting	n ?~	rain and temperature will be high, so
	stage		maintain soil moisture in the field
	(1986	properly 4 10-12 kg of well rotten organic manure
		(())	and 225 gm rock phosphate should be
		1	apply at time of planting to each pit as
		LAWNGTLAL	basal dose application.
		SAIHA	♣ Provide irrigation every alternate day or
			use straw mulch.
			Basin clearing of all plant.Rain cap can use for tapping plant
		6	and the same same and the same property
		1 4 6	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings.
	MAMIT	AIZAWA	 A cutting should contain at least 3 buds and must be planted in sand beds. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Provide irrigation every alternate day or use straw mulch.
		SERCHH	Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Kharif Rice	Nursery stage	KOLASIB	4	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	4	Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHH	+	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	+++	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR	OP			
Ginger and turmeric	Sowing stage	LAWNGTLAL	1	Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.

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Cucurbitaceo	Fruiting stage		4	According to forecast probability of
us crop	1 1 milling bruge			less rain and temperature will be high,
				so maintain soil moisture in the field
		/		properly.
		7	4	Provide split doses of urea (70g/pt) at
	1	V		the time of full blooming.
		KOLASIB	4	Apply irrigation every alternate day or
	1	Ex S		use straw mulch for conserve soil
	1	7		moisture.
)		4	In large gardens apply carbaryl 0.2 per
)	5		cent or malathion 0.15 per cent
	1			suspension containing sugar or
	2			jeggery at 10 g/l at fortnightly
	MAMIT	1		intervals at flowering and fruit
	5	AIZAWL I	CHI	initiation against fruit fly and
	- 1	Comenton.	21,55	pumpkin beetle.
Chilli	Vegetative to)	+	According to forecast probability of
	flowering	6 7		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	1 6		_	properly.
	1)		-	Earthing up soil for better growth and
	5	SERCHN	IF.	stability in root zone.
	1	V~1~	-	Apply irrigation every alternate day or
	(use straw mulch for conserve soil moisture.
		1	_	Don't use split dose of any nitrogenous
	Ji i		-	fertilizer for better growth.
	1	MEMORIA	4	If possible use straw mulch/ grass
		LUNGLEI	12	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
			1	or malathion 0.15 per cent suspension
	1	Y Var and I	X	containing sugar or jeggery at 10 g/1 at
			9	fortnightly intervals at flowering and fruit
	**		(initiation.
Cowpea	Vegetative	1	*	According to forecast probability of less
	stage	LAWNGTLAN		rain and temperature will be high, so
		The state of the s		maintain soil moisture in the field
		SAIHA		properly.
				Earthing up soil for better growth and stability in root zone.
		1 2 1	4	Don't use split dose of any nitrogenous
		P 1	-	
				6 P a g e

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			fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage	1	rain and temperature will be high, so
	()	1	maintain soil moisture in the field
) \	21	properly.
	1	KOLASIB	♣ Earthing up soil for better growth and
	1	NULHOID	stability in root zone.
)	LA Y	Don't use split dose of any nitrogenous
	0 1		fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
		3	pits filled up with FYM (12-15) t/ha
	, J		Sprouted corms or cormels are planted
	MAMIT		5-7 deep at a spacing of 40-50 cm between and within rows in the pits.
	7. 10.000		♣ Inorganic fertilizer like Urea, SSP and
	100	(ATZAVVIL.)	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		1101 & 220. 010. 101 hg.
Pig	All stages	100	♣ Animals must keep in dry place or
		1 500	kept in alleviated area and dry bedding
) 6		(straw) to be provided to young
	1		animals.
		SERCHN	1st injection at 6 months of age and
		1	2nd injection at 12 months of age
	(followed by annual vaccination under
			vet supervision against FMD.
			Reduce concentrate diet up to 5%.
	200	Millione	Provide adequate potable water.
		LUNGLEI	In present weather conditions
	1	_	vaccinate against swine fever (Vaccines
		Porcine	available in State Veterinary Departs)
		Reproductive	1. Culling of positive pigs or piglets.
	1	Respiratory	V.
		Syndrome (PRRS).)
Cattle	All age group		♣ In present weather conditions, special
		A	care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		SAIHA	Application of turpentine oil in the
		(SAINA	wounds followed by application of
			antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		The second second	U

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		KOLASIB	feed Provide 10-30 ml of vitamin B-Complex in feed Ist injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under 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	AIZAWAL	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 ♣ 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	0	1 2	1
	Monitoring of fish in pond	LAWNGTLAN	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and

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dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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MAXIMUS

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lunglei Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

	1.00	P	1		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	17	14	23	43	58
Max Temp (°C)	32	31	30	28	30
Min Temp (°C)	18	18	17	16	17
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	100	99
Min RH (%)	70	70	81	88	71
Wind Speed (KmpH)	2	3	5	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) (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 27th three days

27th June – 01st July, 2018 chhunga sik leh sa dinhmun tur tlangpui

S-E

Maximum Tem. (°C):24-25°C
Minimum Tem. (°C):18-19°C
Maximum RH (%):91-96%
Minimum RH (%):72-85%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.16 km/hr

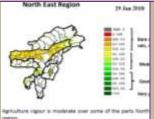
Rainfall: 18.8 mm

*Wind Direction

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-32°C a ni ang a. A vawh lai ber in 16-18°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 70-88% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 155.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	A levi atanga	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAIMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage → Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. → A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. → Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. → Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. → Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} memit	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	7. 000000	4-5 th Weeks		Calcium tonic fortified with B ₁₂
(S	Ionitoring Sangha nkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		SAIHA		2)

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/English

Date of issue: 26th June, 2018

Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	26	35	30	47
Max Temp (°C)	32	32	32	31	31
Min Temp (°C)	24	24	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	98	92	96	93	98
Min RH (%)	60	59	61	72	60
Wind Speed (KmpH)	4	7	6	4	3
*Wind Direction	S	S	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):27-28°C Minimum Tem. (°C):21-23°C

Maximum RH (%):93-99%

Minimum RH (%):75-89%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.15 km/hr

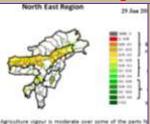
Rainfall: 21.5 mm

Weather forecast valid from 27thJune, 2018 To 01st July, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 23-24°C. Maximum relative humidity is expected in the range of 93-98% and minimum may from 59-72%. Wind direction would be southerly to southeasterly with the wind speed of 3-7 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 156.0 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 less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	NULHOID	maintain soil moisture in the field properly.
LIME	Stage	LA 1	♣ By seeds: Seed should be sown in the
	(1 1	nursery immediately after extraction in
STAR FRUIT	7		to a depth 1.5 to 2 cm extraction at
	1	3	10x5 cm distance. Seedlings are planted
	J		in secondary bed or polythene bags at 4-
PLUM AND	\$ MAMIT		6 leaf stages. Water must b provide
PEACH	J. Internativ	1	every alternate days.
	7.	Z AIZAVVL V	→ Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
	1	7	♣ Application of split dose of fertilizer 600:
	40	1 6.7	200:100 (g/pt).
	. /		♣ Only certified seed should be used.
			→ Stagnation of water in beds should be
	+)		avoided.
		SERCH	In the citrus belt, trees can be planted
	1	V	at any time; however, pre-monsoon is
			the best time for transplant or gap
			filling.
	Ji i		♣ Standard-size trees should be spaced 12
	1	A PARTIE OF THE	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, Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
	ì	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	OP	1001 1111101	<u> </u>
COFFEE	Blooming	F SAIHA	♣ If day temperature and prolong dry
	stage	(spell occur it lead to Floral
	5.050		abnormalities like "Star Flower" in
		1 2 1	Arabica and "Pink Flower" in Robusta.
	1	6	
2 P a g e			

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	MAMIT	KOLASIB	 Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage)	According to forecast probability of less rain and temperature will be high, so
	1	1	maintain soil moisture in the field properly.
	1	1 3 1	♣ Start planting newly established place.
	1		♣ 10-12 kg of well rotten organic manure
		SERCHH	and 225 gm rock phosphate should be
	1	V~t~	apply at time of planting to each pit as basal dose application.
	\ \		Provide irrigation every alternative day.
			Basin clearing of all plant.
			Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly
Oil plam	Vegetative/		established orchard. According to forecast probability of less
On plan	Harvesting	n Em	rain and temperature will be high, so
	stage		maintain soil moisture in the field
		(19 20)	properly
	ļ ,		♣ 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be
		1	and 223 gill rock phosphate should be apply at time of planting to each pit as
		LAWNGTLAL	basal dose application.
		SAIHA	♣ Provide irrigation every alternate day or
		(use straw mulch.
		1	Basin clearing of all plant.Rain cap can use for tapping plant
		00	- 1 cap can doe for tapping plant
		1 4 6	3 P a g e

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			❖ Start intercropping in newly
			established orchard.
		1	❖ Fruits are harvested when they attain
	1 1	1	full size, develop attractive colour with
) \		optimum sugar and acid blend.
Passion Fruit	Transplanting	KOLASIB	♣ High yielding mother vine with good
	stage	Not note	quality fruits and free of virus diseases
)	60	should be selected to provide cuttings.
	(3 4 /	♣ A cutting should contain at least 3
	7		buds and must be planted in sand
	1	7	beds.
	1		♣ 10-12 kg of well rotten organic manure
	3	0	and 225 gm rock phosphate should be
	/ MAMIT	7	apply at time of planting to each pit as
	1	Z AIZAWL I	basal dose application.
	1		♣ Provide irrigation every alternate day or
	1	7 2	use straw mulch.
	1	1 5 6	Grafting:
			The root stock of yellow Passion fruit is
			planted in polythene sleeves and the
	1)		section from Rahangala hybrid is
		SERCHN	grafted using wedge or approach method of grafting.
	1	V	♣ Provide irrigation every alternate day or
			use straw mulch.
CEREALS AND	PULSE CROPS		doc otraw malen.
Maize	Vegetative		♣ According to forecast probability of less
(Jhum)	stage	LUNGLEI	rain and temperature will be high, so
		The state of the s	maintain soil moisture in the field
	1	2740	properly.
	-	71	Larthing up soil for better growth and
			stability in root zone.
	((by se)	♣ Use split dose of any nitrogenous
			fertilizer for better growth.
Maize	Sowing stage	-5	Two to three plough are necessary to
			get the soil well pulverized and weed
		LAWNGTLAL	free.
		# SAIHA	Seed is being placed in furrows.
			Seed should be treated with Thiram
			@4 g/kg seed.
		2 2	Use optimum seed rate (20-25 kg/ha)
		1	

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Kharif Rice	Nursery stage	KOLASIB	4	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	4	Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHH	+	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	+++	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CRO	OP			
Ginger and turmeric	Sowing stage	LAWNGTLAL	1	Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.

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Cucurbitaceo	Fruiting stage		4	According to forecast probability of
us crop	1 1 milling bruge			less rain and temperature will be high,
3.5 5.5 P	1.00			so maintain soil moisture in the field
		/		properly.
		1 3	4	Provide split doses of urea (70g/pt) at
	1	V		the time of full blooming.
	1	KOLASIB	4	Apply irrigation every alternate day or
	1	En S		use straw mulch for conserve soil
	1	W)		moisture.
)		4	In large gardens apply carbaryl 0.2 per
	7	Same		cent or malathion 0.15 per cent
		5		suspension containing sugar or
	2			jeggery at 10 g/l at fortnightly
	/ MAMIT)		intervals at flowering and fruit
	5	1 0170100	SALI	initiation against fruit fly and
	187	(AIZAWIL)	ALTE	pumpkin beetle.
Chilli	Vegetative to	5	4	According to forecast probability of
	flowering	S 2		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
			-	properly.
	7		+	Earthing up soil for better growth and
		SERCHN	i =	stability in root zone.
			+	Apply irrigation every alternate day or
	(use straw mulch for conserve soil
				moisture.
			-	Don't use split dose of any nitrogenous
	3.6	A DECEMBER OF THE PERSON NAMED IN COLUMN TO		fertilizer for better growth.
		LUNGLEI	0	If possible use straw mulch/ grass
	3		2	mulch in row to prevent moisture loss
		Fruit fly		and better growth of plant. In large gardens apply carbaryl 0.2 per cent
		Fruit Hy	1	or malathion 0.15 per cent suspension
			1	containing sugar or jeggery at 10 g/l at
	1	100	3	fortnightly intervals at flowering and fruit
			1	initiation.
Cowpea	Vegetative	()	4	According to forecast probability of less
	stage	Variation of the same of the s		rain and temperature will be high, so
		LAWNGTLAN		maintain soil moisture in the field
		# SAIHA		properly.
			4	Earthing up soil for better growth and
		4	-	stability in root zone.
		NA	4	Don't use split dose of any nitrogenous
		114		6 P a g e

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			fertilizer for better growth.
Okra	Vegetative	0	♣ According to forecast probability of less
	stage		rain and temperature will be high, so
		1	maintain soil moisture in the field
		2	properly.
		V	♣ Earthing up soil for better growth and
		KOLASIB	stability in root zone.
	1	Fa S	♣ Don't use split dose of any nitrogenous
	1	7	fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
	7	5	pits filled up with FYM (12-15) t/ha
		5	♣ Sprouted corms or cormels are planted
	12		5-7 deep at a spacing of 40-50 cm
	J. WAGNIT	1	between and within rows in the pits.
	5	LAIZAWL I	Inorganic fertilizer like Urea, SSP and
		Canestone:	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages	6 7	4 Animals must keep in dry place or
	- /		kept in alleviated area and dry bedding
	1 6		(straw) to be provided to young
	1		animals.
		SERCHN	♣ 1 st injection at 6 months of age and
	1	V~	2nd injection at 12 months of age
	(followed by annual vaccination under
			vet supervision against FMD.
			Reduce concentrate diet up to 5%.
	16	William Service	Provide adequate potable water.
		LUNGLEI	In present weather conditions
	3		vaccinate against swine fever (Vaccines
	1	100	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	\$
		Respiratory)
		Syndrome (PRRS).	1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cattle	All age group	(-3)	In present weather conditions, special
			care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		# SAIHA	Application of turpentine oil in the
		1	wounds followed by application of
			antibiotics for five days is advised.
		200	♣ Provide UMB/Molases if possible in the
		1	

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	MAIMIT	KOLASIB	feed Provide 10-30 ml of vitamin B-Complex in feed Ist injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under 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	AIZAWAL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERY	1)	1 69 1	1
	Monitoring of fish in pond	LAWNGTLAN	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and

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dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLEI

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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

	1.0	P	4		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	26	35	30	47
Max Temp (°C)	32	32	32	31	31
Min Temp (°C)	24	24	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	98	92	96	93	98
Min RH (%)	60	59	61	72	60
Wind Speed (KmpH)	4	7	6	4	3
*Wind Direction	S	S	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 27th June – 01st July, 2018 chhunga sik leh sa three days dinhmun tur tlangpui

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):21-23°C Maximum RH (%):93-99% Minimum RH (%):75-89% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.15 km/hr

Rainfall: 21.5 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 23-24°C ni tura beisei a ni. RH san lai berin 93-98% leh a hniam lai berin 59-72% ni tur a rin niin. Thli hi darkar khatah 3-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 156.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th 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)



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	375	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 keh tur lakah t a veng thei ani.
PEACH	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	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	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
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	7 7	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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



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South as a second	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	wy)	Lei rih vur hian thlai kung te a veng ve
and black	>		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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		1	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
	1	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
	A MAMIT	AIZAWL)	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		 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
		LAWNGTLAUSAIHA	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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Mizoram Centre, Kolasib- 796081, MIZORAM

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	}	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Pres	ventive 0	-3 rd week	4	Ranikhet Disease- an pian atanga ni
	asures	0 110011	-	1-6 ah F1 vaccine pek tur ani a, chuan
	454105			a puitlingh chuan R ₂ B vaccine pek tur
	5 4			ani.
	1 3	The state of the s	4	B complex with antibodies
	4	4th weeks		Coccidiosis- Amprolium or
	2			coccidiostat
	A MANUAL	-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWA C	iH.	IMPA!
	toring		4	Sangha te hi chaw a hmuar kai lo
	toring	- 1	_	chauh pek thin tur ani. Sangha chaw a
(Sang		a l		lo hmuar anih chuan pek hma in ni sa
enkav	W1)			a phoro phawt tur ani.
		Y Y	4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCHNI	P	tur ani a, hmuar atang a tur lo inseam
	1	V 1-		thin, aflatoxin avang a sangha thi lak
	S			atangin sangha a him phah thin.
	4		4	Dil sah kang veka sangha man thin
	4		-	hian a kumleh a sangha khawinan a dil
	1110	GLEI		buatsaih a ti awlsam a, dil mawng
	2	(Applied)	1	phoro, chinai phul, leitha hman leh tul
	13	200	-(dang in dil buatsaih tur ani.
	7 17	1	+	Sangha te natna lak atangin an him em
		1	0	tih enfiah fo a tha a, natna hmuh anih
		7 25		chuan mithiam te rawn vat a, diltui
	(1	enfiah vat tur ani. A ranglam a chinai @50kg/ha leh
	2	=0		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
	LAI	MNGTLAL		atangin a veng thei.
		SAIHA		
	-		-	-1
	1	- 1	-1	3
	(c)	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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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: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/English

	1. 1	P	1		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	23	32	53	47
Max Temp (°C)	30	30	29	27	29
Min Temp (°C)	13	14	14	13	13
Cloud Coverage	Mainly cloudy				
Max RH (%)	97	99	99	99	98
Min RH (%)	72	76	86	89	75
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	S-E	S-E	S-E	E

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

Status of Pre Monsoon- 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):24-25°C Minimum Tem. (°C):16-17°C

Maximum RH (%):94-98% Minimum RH (%):72-88%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 3.61 km/hr

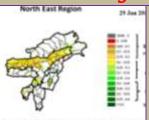
Rainfall: 8.6 mm

Weather forecast valid from 27thJune, 2018 To 01st July, 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 27-30°C and 13-14°C. Maximum relative humidity is expected in the range of 97-99% and minimum may from 75-89%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 173.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th 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/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 1	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	NULHOID	maintain soil moisture in the field properly.
LIME	stage	LA.	♣ By seeds: Seed should be sown in the
CMAD DDIIIM	(1 1	nursery immediately after extraction in
STAR FRUIT	3	The same of the sa	to a depth 1.5 to 2 cm extraction at
	ſ		10x5 cm distance. Seedlings are planted
	, J		in secondary bed or polythene bags at 4-
PLUM AND	MAINIT		6 leaf stages. Water must b provide
PEACH	7. 10.000	1	every alternate days.
	7	(AIZAWL	→ Potting mixture of soil, sand and FYM or
	1	2	compost should be in proper ratio.
	1	(♣ Application of split dose of fertilizer 600:
	6	1 66	200:100 (g/pt).
	1		Only certified seed should be used. Starmatical of containing had a should be
	16.0		♣ Stagnation of water in beds should be
	1		avoided.
		SERCH	I In the citrus belt, trees can be planted
	1	V Lange	at any time; however, pre-monsoon is
	-		the best time for transplant or gap
	1		filling. Standard-size trees should be spaced 12
	- 1		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
)		distance depends on the variety. The
	27/1	And the second	bigger the fruit, the farther the distance.
	<u></u>	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	4 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
	-6		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
		1 / 1	2 Dogo
			2 P a g e

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) ALZAVA	Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
SERCHH	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in 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. Provide irrigation every alternative day. Basin clearing of all plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
LAWNGTLAL SAIHA	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in 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. Provide irrigation every alternate day or use straw mulch. Basin clearing of all plant. Rain cap can use for tapping plant
	LUNGLEI

3 | P a g e

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4 | P a g e

			Start intercropping in newly
			established orchard.
		1	❖ Fruits are harvested when they attain
	1 1	1	full size, develop attractive colour with
) \		optimum sugar and acid blend.
Passion Fruit	Transplanting	KOLASIB	♣ High yielding mother vine with good
	stage	Not note	quality fruits and free of virus diseases
)	60	should be selected to provide cuttings.
	(3 4 /	♣ A cutting should contain at least 3
	7		buds and must be planted in sand
	1	7	beds.
		77	♣ 10-12 kg of well rotten organic manure
	\$ MAMIT		and 225 gm rock phosphate should be
	J. Internati	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	apply at time of planting to each pit as
	3.	Z AIZAWIL Z	basal dose application.
			♣ Provide irrigation every alternate day or
	1	3	use straw mulch. Grafting:
	36	1 26	The root stock of yellow Passion fruit is
		1 3 3	planted in polythene sleeves and the
	16.0		section from Rahangala hybrid is
	1		grafted using wedge or engage
		SERCHH	method of grafting.
	l)	V Lang	♣ Provide irrigation every alternate day or
	5		use straw mulch.
CEREALS AND	PULSE CROPS		
Maize	Vegetative		♣ According to forecast probability of less
(Jhum)	stage	LUNGLEI	rain and temperature will be high, so
	3	THE PARTY OF THE P	maintain soil moisture in the field
	- 1	500	properly.
	. 27	4 (~	Larthing up soil for better growth and
		91	stability in root zone.
	((57 75)	♣ Use split dose of any nitrogenous
			fertilizer for better growth.
Maize	Sowing stage	-3	Two to three plough are necessary to
			get the soil well pulverized and weed
		LAWNGTLAL	free.
		# SAIHA	Seed is being placed in furrows.
		1	Seed should be treated with Thiram
		A A	@4 g/kg seed.
		2 5	♣ Use optimum seed rate (20-25 kg/ha)
		The state of the s	

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Kharif Rice	Nursery stage	KOLASIB	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e. 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	4 S 0 4 M g	Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	ra m p + E s + U	According to forecast probability of less cain and temperature will be high, so maintain soil moisture in the field properly. Carthing up soil for better growth and etability in root zone. Use split dose of any nitrogenous certilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	+ 1	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR	OP			
Ginger and turmeric	Sowing stage	LAWNGTLAL	d ↓ U fo ↓ A m 1 in H	Rhizome should be treated with Thiram 24 g/kg seed. Jse optimum seed rate (50-60 kg/ha) or desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 20:80:60 kg N, P ₂ O ₅ and K ₂ O/ha accorporate 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.
		Contract of the second		

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Cucurbitaceo	Fruiting stage		♣ Ac	cording to forecast probability of
us crop				s rain and temperature will be high,
	1	1		maintain soil moisture in the field
	1. 1	1		operly.
	1 6	T)		ovide split doses of urea (70g/pt) at time of full blooming.
		KOLASIB		ply irrigation every alternate day or
	- (e straw mulch for conserve soil
)	GA,		pisture.
	\$	2 1		large gardens apply carbaryl 0.2 per
	3	Commercial		nt or malathion 0.15 per cent
	1			spension containing sugar or
				eggery at 10 g/l at fortnightly
	MAMIT		-	ervals at flowering and fruit
	\$	1.770.00	ini	tiation against fruit fly and
	1	(AIZAWIL)	pu	mpkin beetle.
Chilli	Vegetative to	5		cording to forecast probability of
	flowering			s rain and temperature will be high,
	stage			maintain soil moisture in the field
	1 6		_	operly.
)			rthing up soil for better growth and
		SERCHN		ability in root zone.
	1	V~1_		oly irrigation every alternate day or
	(e straw mulch for conserve soil bisture.
		1		n't use split dose of any nitrogenous
	Ji .			tilizer for better growth.
		A COMPANIES		possible use straw mulch/ grass
		LUNGLEI	- A	alch in row to prevent moisture loss
			-2.	d better growth of plant.
	1	Fruit fly	👃 In la	arge gardens apply carbaryl 0.2 per cent
				malathion 0.15 per cent suspension
	(Chi Se V		taining sugar or jeggery at 10 g/l at
				nightly intervals at flowering and fruit ation.
Cowpea	Vegetative			ording to forecast probability of less
Cowpea	stage			and temperature will be high, so
	Stage	LAWNGTLAU		Intain soil moisture in the field
		# SAIHA		perly.
		1		thing up soil for better growth and
		1		oility in root zone.
		201	♣ Dor	n't use split dose of any nitrogenous
		114		6 P a g e

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			fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage	1	rain and temperature will be high, so
	()	1	maintain soil moisture in the field
) \	3	properly.
		KOLASIB	♣ Earthing up soil for better growth and
	1	NULHOID	stability in root zone.
)	an 1	♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
	/	7	pits filled up with FYM (12-15) t/ha
]		Sprouted corms or cormels are planted
	MAMIT		5-7 deep at a spacing of 40-50 cm
	7 111-1111	\	between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
	3.	A ATZAVVIL	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARV		MOT @ 220. 373. 134 kg.
Pig	All stages	(♣ Animals must keep in dry place or
rig	All stages	1 64	kept in alleviated area and dry bedding
	1	1 3 4	(straw) to be provided to young
	0.5		animals.
		SERCHN	♣ 1st injection at 6 months of age and
		SERUM	2nd injection at 12 months of age
	9		followed by annual vaccination under
			vet supervision against FMD.
			Reduce concentrate diet up to 5%.
			Provide adequate potable water.
		LUNGLEI	♣ In present weather conditions
	3	The state of the s	vaccinate against swine fever (Vaccines
	PM	2942	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	(
		Respiratory)
0 111	A 11	Syndrome (PRRS).	**** To
Cattle	All age group	1	In present weather conditions, special
		Large was a second	care should be taken against attack of
		LAWNGTLAN	maggots in the wounds of animals.
		SAIHA	Application of turpentine oil in the
			wounds followed by application of
		A	antibiotics for five days is advised. Provide UMB/Molases if possible in the
		6	Trovide Omb/ molases if possible in the

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	5		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	T	followed by annual vaccination under
	1	KOLASIB	vet supervision.
)	LA V	Separate sick animals.
	(1 1	The animal should be washed with lukewarm water added with little
	7		potash (KMnO4) or neem leaves.
	- E	(Long hair near the
		/	udder/stomach/back legs should be
	/ MAMIT		teamed short.
Poultry	All age group	AIZAVAL)	♣ Provide preventive dose of anti-coccidial
	7	Constant Constant	drugs to poultry.
	1	1	+ Proper ventilation of shed.
	1	3 26	+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100 birds) with adequate potable water
	1		4 Avoid overcrowding.
		- PERPONI	Provide broad-spectrum antihelminthic
		SERCHN	drugs under vet supervision and
	V		recommended doses.
		4	♣ Vaccination as per the schedule with
			proper consultation with vet.
		MEASTER	Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD
	17.		vaccine, 35 days: F/Lasota, 6-7
	-	m Em	weeks: Chicken embryo adopted
		15	fowl pox vaccine and 56-70 days:
	((by sec.)	RD R-2B strain.
			Remove wet litter.
FISHERY		-9	3
	Monitoring of	The same of the sa	4 Care should be taken that fish are fed
	fish in pond	LAWNGTLAN	with feed that are free from fungus. If
		# SAIHA	the fungal growth is observed in fish feed, the feed needs to be sundried for
			few days prior to feeding.
		1 = 1	Fish feed should be stored in cool and
	1	6 1	
		4	8 P a g e

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dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLALSAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

	25 A	P			
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	23	32	53	47
Max Temp (°C)	30	30	29	27	29
Min Temp (°C)	13	14	14	13	13
Cloud Coverage	Mainly cloudy				
Max RH (%)	97	99	99	99	98
Min RH (%)	72	76	86	89	75
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	S-E	S-E	S-E	E.

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

Status of Pre Monsoon- 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 27th June – 01st July, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):24-25°C Minimum Tem. (°C):16-17°C Maximum RH (%):94-98% Minimum RH (%):72-88% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.61 km/hr

Rainfall: 8.6 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-30°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin of 97-99% leh a hniam lai berin 75-89% ni tur a rin niin. Thli hi darkar khatah 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: 173.0mm

NDVI for Mizoram

North East Region

19 face 3018

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	376	 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 keh tur lakah t a veng thei ani.
PEACH	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	 Nursery stage In Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. In 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. In Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. In Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. In Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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

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Southoon noo	All stage	Zoro tillogo	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. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1
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).	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. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preve	ntive 0-3 rd week	
meas		1-6 ah F1 vaccine pek tur ani a, chuan
III dus	The same	a puitlingh chuan R ₂ B vaccine pek tur
	}	ani.
	Same	♣ B complex with antibodies
	4 th weeks	♣ Coccidiosis - Amprolium or
12		coccidiostat
T T	4-5 th Weeks	
FISHERY	AIZAWA	CHAMPAI
	ring	♣ Sangha te hi chaw a hmuar kai lo
Monitor		chauh pek thin tur ani. Sangha chaw a
(Sangha		lo hmuar anih chuan pek hma in ni sa
enkawl)		a phoro phawt tur ani.
		Sangha chaw hi a hmuar lohna turin
	1)	hmun ro leh uan lutuk lo ah dahthat
	SERI	tur ani a, hmuar atang a tur lo inseam
	V to	thin, aflatoxin avang a sangha thi lak
	4	atangin sangha a him phah thin.
		🖊 Dil sah kang veka sangha man thin
	1	hian a kumleh a sangha khawinan a dil
	LUNGLEI	buatsaih a ti awlsam a, dil mawng
	2 marketing	phoro, chinai phul, leitha hman leh tul
	1	dang in dil buatsaih tur ani.
	7 17	Sangha te natna lak atangin an him em
		tih enfiah fo a tha a, natna hmuh anih
	(50 20)	chuan mithiam te rawn vat a, diltui
		enfiah vat tur ani. 4 A ranglam a chinai @50kg/ha leh
	3	tuisen @1.5mg/l diltui a hman hian
	1	sangha natna avang a thi tur lak
	LAWNGTLAL	atangin a veng thei.
) f si	attaight a verig their
		-J
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	1 7 6	(

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/English

	2. A.	F.	5		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	29	19	43	30
Max Temp (°C)	23	23	23	24	24
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	69	63	75	88	72
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	S	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)

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

Weather summary of the past three days

Maximum Tem. (°C):26-27°C Minimum Tem. (°C):21-22°C

Maximum RH (%):92-98%

Minimum RH (%):83-95% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 3.58 km/hr

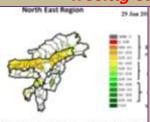
Rainfall: 19.8 mm

Weather forecast valid from 27thJune, 2018 To 01st July, 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 23-24°C and 13-14°C. Maximum relative humidity is expected in the range of 100% and minimum may from 63-88%. Wind direction would be easterly to southerly to southeasterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 139.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th June, 2018

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Nursery and	e 1	According to forecast probability of less	
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so	
AND ACID	stage	NULHOID	maintain soil moisture in the field properly.	
LIME	Stage	La 1	By seeds: Seed should be sown in the	
	(1 4 /	nursery immediately after extraction in	
STAR FRUIT	7		to a depth 1.5 to 2 cm extraction at	
	1	2	10x5 cm distance. Seedlings are planted	
			in secondary bed or polythene bags at 4-	
PLUM AND	MAMIT		6 leaf stages. Water must b provide	
PEACH	J INPOVILE		every alternate days.	
	1	L AIZAWL I	→ Potting mixture of soil, sand and FYM or	
			compost should be in proper ratio.	
	1	1	♣ Application of split dose of fertilizer 600:	
	40	8 6 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	
			filling.	
	Ji.		Standard-size trees should be spaced 12	
		NAME 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	
			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	Citrus Canker- Apply bacterimycin	
		butterfly and leaf minor	@0.6 g/lt of water.	
PLANTATION CR	POP	icai minoi	G	
COFFEE	Blooming	₹ SAIHA	♣ If day temperature and prolong dry	
001122	stage	(SAIN	spell occur it lead to Floral	
	stage		abnormalities like "Star Flower" in	
		1 = 1	Arabica and "Pink Flower" in Robusta.	
	I	P /		
2 P a g e				

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	MAMIT	KOLASIB	 Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	Saleston.	According to forecast probability of less rain and temperature will be high, so
	1	3 64	maintain soil moisture in the field properly.
	1	1 3 4	♣ Start planting newly established place.
	15		♣ 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be
	1		apply at time of planting to each pit as basal dose application.
	1		Provide irrigation every alternative day.
			♣ Basin clearing of all plant.
			Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly
Oil plam	Vegetative/		established orchard. According to forecast probability of less
On plain	Harvesting	n Em	rain and temperature will be high, so
	stage	7	maintain soil moisture in the field
		(4 20)	properly
			♣ 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be
		1	and 225 gill rock phosphate should be apply at time of planting to each pit as
		Linuage trans	basal dose application.
		LAWNGTLAN	♣ Provide irrigation every alternate day or
		(SAIDA	use straw mulch.
			Basin clearing of all plant.Rain cap can use for tapping plant
		0 0	- Rain cap can use for tapping plant
		114	3 P a g e

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

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Kharif Rice	Nursery stage	KOLASIB	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	 Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. ■ Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAL	 ♣ 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.

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Cucurbitaceo	Fruiting stage		According to forecast probability of
us crop			less rain and temperature will be high,
	1	J.	so maintain soil moisture in the field
	1. 1	1	properly.
	1 6	T)	Provide split doses of urea (70g/pt) at the time of full blooming.
		KOLASIB	 Apply irrigation every alternate day or
	1		use straw mulch for conserve soil
)	WAY 3	moisture.
	\$	2 1	In large gardens apply carbaryl 0.2 per
	3		cent or malathion 0.15 per cent
			suspension containing sugar or
	2		jeggery at 10 g/l at fortnightly
	MAMIT	()	intervals at flowering and fruit
	5	AIZAWL I	initiation against fruit fly and
	1	Callegrane:	pumpkin beetle.
Chilli	Vegetative to	<i>y</i>	♣ According to forecast probability of
	flowering	6 7	less rain and temperature will be high,
	stage		so maintain soil moisture in the field
	1		properly.
	1)		Earthing up soil for better growth and stability in root zone.
		SERCHN	♣ Apply irrigation every alternate day or
	-	V	use straw mulch for conserve soil
	(moisture.
	1		Don't use split dose of any nitrogenous
			fertilizer for better growth.
		LUNGLEI	If possible use straw mulch/ grass
	3	7507 A 150 A 1	mulch in row to prevent moisture loss
	1	en.	and better growth of plant.
		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
	(4	197	fortnightly intervals at flowering and fruit
	l l		initiation.
Cowpea	Vegetative		According to forecast probability of less
	stage	Control of the Contro	rain and temperature will be high, so
		LAWNGTLAN	maintain soil moisture in the field
		# SAIHA	
			Larthing up soil for better growth and
			stability in root zone.
		6	♣ Don't use split dose of any nitrogenous
		1 4	6 P a g e

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			fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage	1	rain and temperature will be high, so
	()	1	maintain soil moisture in the field
) \	21	properly.
	1	KOLASIB	♣ Earthing up soil for better growth and
	1	NULHOID	stability in root zone.
)	LA V	Don't use split dose of any nitrogenous
	0 1		fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
		3	pits filled up with FYM (12-15) t/ha
	, J		Sprouted corms or cormels are planted
	MAMIE		5-7 deep at a spacing of 40-50 cm between and within rows in the pits.
	7. 10.000		♣ Inorganic fertilizer like Urea, SSP and
	100	(ATZAVVIL.)	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		1101 & 220. 010. 101 hg.
Pig	All stages	100	♣ Animals must keep in dry place or
		1 50	kept in alleviated area and dry bedding
) 6		(straw) to be provided to young
	1		animals.
		SERCHN	→ 1st injection at 6 months of age and
		1	2nd injection at 12 months of age
	(followed by annual vaccination under
			vet supervision against FMD.
			Reduce concentrate diet up to 5%.
	26	A DELL'A SERVICE	Provide adequate potable water.
		LUNGLEI	In present weather conditions
	1		vaccinate against swine fever (Vaccines
		Porcine	available in State Veterinary Departs)
		Reproductive	1. Culling of positive pigs or piglets.
	1	Respiratory	V.
		Syndrome (PRRS).)
Cattle	All age group		♣ In present weather conditions, special
		A	care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		SAIHA	Application of turpentine oil in the
		CSAINA	wounds followed by application of
			antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		The second second	U

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			feed ♣ Provide 10-30 ml of vitamin B-Complex in feed ♣ 1st injection at 6-8 weeks of age, 2nd
))	1	injection after 6 months of 1st injection
		KOLASIB	followed by annual vaccination under
	1	11000000	vet supervision. Separate sick animals.
)	W.	The animal should be washed with
	\$	2 1	lukewarm water added with little
	5	Same	potash (KMnO4) or neem leaves.
		5	Long hair near the
	2		udder/stomach/back legs should be
	J MAMIT		teamed short.
Poultry	All age group	Z AIZAWL Z	+ Provide preventive dose of anti-coccidial
			drugs to poultry.
)	3	Proper ventilation of shed.Provide glucose/electral along with
	36	1 66	vitamin supplements (@5- 6ml/100
	1	1 3 1	birds) with adequate potable water
	1		4 Avoid overcrowding.
		SERCHH	♣ Provide broad-spectrum antihelminthic
		- SEKONIN	drugs under vet supervision and
			recommended doses.
			♣ Vaccination as per the schedule with
	Ji.		proper consultation with vet. Day old chick: HVT Marek disease
	1	A Charles Text	vaccine, 4-7 days: ¬F/Lasota, 14-18
		LUNGLEI	days: Intermediate plus/IBD
		una.	vaccine, 35 days: F/Lasota, 6-7
	-	m ?	weeks: Chicken embryo adopted
		1	fowl pox vaccine and 56-70 days:
	((19 70)	RD R-2B strain.
			Remove wet litter.
FISHERY		30	1
	Monitoring of	1	4 Care should be taken that fish are fed
	fish in pond	LAWNGTLAN	with feed that are free from fungus. If
		# SAIHA	the fungal growth is observed in fish feed, the feed needs to be sundried for
			few days prior to feeding.
		1 2 1	Fish feed should be stored in cool and
	1	6 1	
		4	8 P a g e

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



dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

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



District: Serchhip Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

	1. 1	P	1		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	29	19	43	30
Max Temp (°C)	23	23	23	24	24
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	69	63	75	88	72
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	S	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 27th June – 01st July, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-27°C Minimum Tem. (°C):21-22°C Maximum RH (%):92-98% Minimum RH (%):83-95% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.58 km/hr

Rainfall: 19.8 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 23-24°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 63-88% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 139.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

Date of issue: 26th June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		E	♣ 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		7	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.
		1	♣ A rah hmin tha lo ho chu nuai sawm
	1. 1	5	hmain an thliar hrang leh vek thin ani.
	1 1	Coffee Bower	4 A hun takah leh fimkhhur taka seng tur
	1 3	Coffee Berry borer	ani.
	1	borer	Hmaih neih nuaih loh tur ani.
)	LA N	♣ Sneg hmaih te lakkhawma paih vek tur
	(3 0 1	ani.
	7		4 Seng bang zawng zawng chu uluka taka
	1	7	paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	X		tur ani.
	/ MAMIT	X 7	Hmun dam lutukah dah loh tur.
	5	LAIZAWL I	Boruak tha taka a hmuh theih nan leh a
	1	1	rawn chawr no theih nan thlai chu uluk
	1	j y	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25
		1 1 1	EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	10		tawkah chuan: Arabica / robusta
		SERCHH	
		(Sectionity	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-
OPPEALS AND I	OUL CE ODODO	THE PERSON NAMED IN COLUMN 1	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			Vicinius shipper to the late to the late
Rabi Maize	A chin hun	7	→ Vaimim chinna tur atan lei kan let
)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
		3 1 3 3	a pui dawn a ni.
	N) -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	- 10 10 136/11a 101 a 0111 0111011 111 a 0a1111
			vel viau ani.
		1 = 1	A chi tuh hma in lei leh FYM @5-10
		6 10 1	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
			3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			# 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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	57	1	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
	1	KOLASIB	@ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	3	21	♣ Thlai bul vawn hnawn nana thlai bula
)	2	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
	Į.	7	Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi
	MAMIT	1	tui liter 1 zelah pawlh a kah hi a tha
	30	(AIZAWL)	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight	(Apron)/ kg seed hi a tha hle ani
	- /		Hneh taka 1% Bordeaux chawhpawlh
	1	~ Y	emaw 2 g captan emaw 3 copper
	1)		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	Tui pek a hnihnah hringa khuh tur ani
			a. than a that theih nan tui pek hma
		-	in lei rin pan hmasak tur ani.
			4 A than duna theih nan leh hnim to loh
		NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,	na turin a kung bulah lei vur chhoh zel
Cometand	Coming store	LUNGLEL	tur ani. 4 A than a that theih nan nikhat danah
Carrot and radish	Sowing stage		tui pek thin tur ani.
rauisii	1	- E-	Tui pek hnuah thlai bul vawn hnawn
		11	na tur siam tur ani.
	Į.	1 1 3 1	Likhlum lam chi ah chuan sik leh
		3 () 5 3	sa vangin a hnah ah thil dum a
		-5	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	♣ Thlai hna lam chi leh zikhlum lam
		# SAIHA	0 0
			Mancozeb @ 2gm ah tui leter 1
		1	pawlha kah tur ani.
		Police Control	

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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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			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	O O WCCR		1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	GO)		a puitlingh chuan R ₂ B vaccine pek tur
	8	2		ani.
	5	San Land	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2		-	coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	5	1 0 WCCRS	MILL	Calcium tome fortified with B ₁₂
FISHERI	1 20 11	Constitute.		
	Monitoring)	-	Sangha te hi chaw a hmuar kai lo
	(Sangha	2 2 7		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
) 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	(IP)	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
		1		atangin sangha a him phah thin.
			-	Dil sah kang veka sangha man thin
		VIII VIII VIII VIII VIII VIII VIII VII		hian a kumleh a sangha khawinan a dil
		LUNGLEI	(9)	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.
		500		Sangha te natna lak atangin an him em
		17	7	tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		1 7 6		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		-		tuisen @1.5mg/l diltui a hman hian
		Land to the same of the same o		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		f SAIHA	1	<u> </u>
				c-1
			1	2
		N 1	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



66

3

S-E

District: Aizawl Period: 27 June - 01 July, 2018

28.06.2018

37

30

13

Mainly cloudy

95

63

5

Bulletin No: - 802/2018/ Bulletin/English

27.06.2018

15

30

13

Mainly cloudy

99

68

3

N.		
29.06.2018	30.06.2018	01.07.2018
28	33	21
29	28	28
12	12	12
Mainly cloudy	Partially clear	Mainly cloudy
98	96	99

74

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Date of issue: 26th June, 2018

*Wind Direction S S S S-E

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

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

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

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

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):16-18°C

Maximum RH (%):89-98%

Minimum RH (%):65-82%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.15 km/hr

Rainfall: 34.6 mm

Weather forecast valid from 27thJune, 2018 To 01st July, 2018.

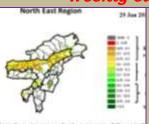
64

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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 28-30°C and 12-13°C. Maximum relative humidity is expected in the range of 95-99% and minimum may from 63-74%. Wind direction would be southeasterly to southeasterly with the wind speed of 3-5 km per hour. Manly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 134.0 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	en 15	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	NULHOID	maintain soil moisture in the field properly.
LIME	Stuge	La S	♣ By seeds: Seed should be sown in the
CMAD EDIUM	(1 1	nursery immediately after extraction in
STAR FRUIT	3	the same of the sa	to a depth 1.5 to 2 cm extraction at
	- I		10x5 cm distance. Seedlings are planted
		7/	in secondary bed or polythene bags at 4-
PLUM AND	MAMIT		6 leaf stages. Water must b provide
PEACH	Z 10000000		every alternate days.
	1	(AIZAWL)	→ Potting mixture of soil, sand and FYM or
	1		compost should be in proper ratio.
		(♣ Application of split dose of fertilizer 600: 200:100 (g/pt).
	8	1 1	♣ Only certified seed should be used. ♣ Only certified seed should be used.
	1		↓ Stagnation of water in beds should be
	100		avoided.
		SERCH	In the citrus belt, trees can be planted
		SERONI	at any time; however, pre-monsoon is
	V		the best time for transplant or gap
		1	filling.
			Standard-size trees should be spaced 12
	7.0		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3		distance depends on the variety. The
	2.74	500	bigger the fruit, the farther the distance.
	. 7	Gummosis,	Lamon butterfly- Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
	(1)	Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
	,	Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	4 Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			T 70 1
COFFEE	Blooming	SAIHA	
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		P 7	Arabica and "Pink Flower" in Robusta.
		11 11	2 Page

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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	Concentral.	According to forecast probability of less rain and temperature will be high, so
	1		maintain soil moisture in the field
	1		properly.
	3 6	~ 7	 ♣ Start planting newly established place. ♣ 10-12 kg of well rotten organic manure
	1	SERCHN	and 225 gm rock phosphate should be
		SERUHH	apply at time of planting to each pit as
	-		basal dose application.
			Provide irrigation every alternative day.Basin clearing of all plant.
	1		Rain cap can use for tapping plant
		LUNGLEI	start intercropping in newly
	3	HW/SEPHI	established orchard.
Oil plam	Vegetative/	500	According to forecast probability of less
	Harvesting	11	rain and temperature will be high, so maintain soil moisture in the field
	stage		properly
			♣ 10-12 kg of well rotten organic manure
		1 -2	and 225 gm rock phosphate should be
			apply at time of planting to each pit as
		LAWNGTLAN	basal dose application. Provide irrigation every alternate day or
		SAIHA	use straw mulch.
			Basin clearing of all plant.
		A S A	Rain cap can use for tapping plant
		6 1	2 D o o o
		-	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases
	MAMIT	AIZAWA.	 should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Provide irrigation every alternate day or use straw mulch. Grafting:
	P	SERCHH	The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Kharif Rice	Nursery stage	KOLASIB	4	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	4	Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	= + +	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	+++	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR	OP			
Ginger and turmeric	Sowing stage	LAWNGTLAL	1	Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.

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Cucurbitaceo	Fruiting stage		4	According to forecast probability of
us crop				less rain and temperature will be high,
_	-			so maintain soil moisture in the field
		6		properly.
) \	-1	-	Provide split doses of urea (70g/pt) at
	land.	Very series		the time of full blooming.
	1	KOLASIB		Apply irrigation every alternate day or
	1	La S	-	use straw mulch for conserve soil
	/	77 2 2		moisture.
	7		+	In large gardens apply carbaryl 0.2 per
	1	7		cent or malathion 0.15 per cent
	Í			suspension containing sugar or
	3	(jeggery at 10 g/l at fortnightly
	MAMIT	7		intervals at flowering and fruit
	5	Z AIZAWL I	AHD	initiation against fruit fly and
	- N	Conserva-	11.151	pumpkin beetle.
Chilli	Vegetative to)	+	According to forecast probability of
	flowering	3 6 7		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	1 6			properly.
	1)		-	Earthing up soil for better growth and
		SERCHN	IF.	stability in root zone.
)		-	Apply irrigation every alternate day or
	(use straw mulch for conserve soil
				moisture.
	Jii		-	Don't use split dose of any nitrogenous
		AVEL ASSESSOR	43	fertilizer for better growth. If possible use straw mulch/ grass
		LUNGLEI	2	mulch in row to prevent moisture loss
	1		2	and better growth of plant.
		Fruit fly	1	In large gardens apply carbaryl 0.2 per cent
		Truit Hy		or malathion 0.15 per cent suspension
	1			containing sugar or jeggery at 10 g/l at
		100		fortnightly intervals at flowering and fruit
	l.			initiation.
Cowpea	Vegetative	1		According to forecast probability of less
	stage	Anna mare san san da		rain and temperature will be high, so
		LAWNGTLAN		maintain soil moisture in the field
		# SAIHA		properly.
				Earthing up soil for better growth and
				stability in root zone.
		N N	+	Don't use split dose of any nitrogenous
		1 4 6		6 P a g e

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			fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage	1	rain and temperature will be high, so
	()	(maintain soil moisture in the field
	1 /		properly.
	1	Von sem	♣ Earthing up soil for better growth and
	J.	KOLASIB	stability in root zone.
	1	LA	♣ Don't use split dose of any nitrogenous
	1		fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
	1	7	pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
	3	0	5-7 deep at a spacing of 40-50 cm
	MAMIT	7	between and within rows in the pits.
	¥	Z AIZAWL I	Inorganic fertilizer like Urea, SSP and
		All the state of t	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	1 6 6	4 Animals must keep in dry place or
	1		kept in alleviated area and dry bedding
			(straw) to be provided to young
	1)		animals.
		SERCHN	1st injection at 6 months of age and
	1	V	2nd injection at 12 months of age followed by annual vaccination under
			vet supervision against FMD.
	1	100	Reduce concentrate diet up to 5%.
	Ji .		Provide adequate potable water.
		LUNGLEI	In present weather conditions
		CONGLET	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	2. Caming or positive pige or pigicus.
		Respiratory	
	į į	Syndrome (PRRS).	7
Cattle	All age group) 53	↓ In present weather conditions, special
			care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		SAIHA	Application of turpentine oil in the
		SAINA	wounds followed by application of
			antibiotics for five days is advised.
		1 = 1	♣ Provide UMB/Molases if possible in the
		6 1	<u>V</u>

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		KOLASIB	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	AIZAWL	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 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 53 7	- Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and

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dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLEI LAWNGTLAL SAIHA

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SAIHA

LAWNGTLAL

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District: Aizawl Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

Date of issue: 26th June,	2010

Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	15	37	28	33	21
Max Temp (°C)	30	30	29	28	28
Min Temp (°C)	13	13	12	12	12
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	95	98	96	99
Min RH (%)	68	63	64	74	66
Wind Speed (KmpH)	3	5	4	3	3
*Wind Direction	S	S	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)

Weather summary of the past 27th June – 01st July, 2018 chhunga sik leh sa three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):16-18°C Maximum RH (%):89-98% Minimum RH (%):65-82% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.15 km/hr

Rainfall: 34.6 mm

NDVI for Mizoram

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-30°C a ni ang a. A vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai berin 95-99% leh a hniam lai berin 63-74% ni tur a rin niin. Thli hi darkar khatah 3-5 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: 134.0mm

North East Region 29 Jan 2018

In the control of the parts Starth

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	376	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 keh tur lakah t a veng thei ani.
PEACH	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(l	
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	f.		paih fai vek tur ani.
	, J	7/	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000		Hmun dam lutukah dah loh tur.
	3.	Z AIZAVIL I	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	100	1 6 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	parchment 10 %, Arabica cherry 10.5 % leh
			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 -
	7.6		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DIII CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	500	✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A Chin hun	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	((4 7)	a pui dawn a ni.
			♣ A chi chu kan lei leh saah chuan kan
) -3]	dah ang.
		1	
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		(SMITH	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A S I	4 A chi tuh hma in lei leh FYM @5-10
		60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		111	3 P a g e

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



Southoon noo	All stage	Zoro tillogo	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. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1
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).	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. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preve	ntive 0-3 rd week	
meas		1-6 ah F1 vaccine pek tur ani a, chuan
III dus	The same	a puitlingh chuan R ₂ B vaccine pek tur
	}	ani.
	Same	♣ B complex with antibodies
	4 th weeks	♣ Coccidiosis - Amprolium or
12		coccidiostat
T T	4-5 th Weeks	
FISHERY	AIZAWA	CHAMPAI
	ring .	♣ Sangha te hi chaw a hmuar kai lo
Monitor		chauh pek thin tur ani. Sangha chaw a
(Sangha		lo hmuar anih chuan pek hma in ni sa
enkawl)		a phoro phawt tur ani.
		Sangha chaw hi a hmuar lohna turin
	1)	hmun ro leh uan lutuk lo ah dahthat
	SERI	tur ani a, hmuar atang a tur lo inseam
	V to	thin, aflatoxin avang a sangha thi lak
	4	atangin sangha a him phah thin.
		🖊 Dil sah kang veka sangha man thin
	1	hian a kumleh a sangha khawinan a dil
	LUNGLEI	buatsaih a ti awlsam a, dil mawng
	2 marketing	phoro, chinai phul, leitha hman leh tul
	1	dang in dil buatsaih tur ani.
	7 17	Sangha te natna lak atangin an him em
		tih enfiah fo a tha a, natna hmuh anih
	(50 20)	chuan mithiam te rawn vat a, diltui
		enfiah vat tur ani. 4 A ranglam a chinai @50kg/ha leh
	3	tuisen @1.5mg/l diltui a hman hian
	1	sangha natna avang a thi tur lak
	LAWNGTLAL	atangin a veng thei.
) f si	attaight a verig their
		-J
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	1 7 6	(

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Champhai Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/English

		P	5.0		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	26	17	39	43	38
Max Temp (°C)	23	23	23	24	24
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	99	100
Min RH (%)	73	60	67	72	68
Wind Speed (KmpH)	2	2	2	3	2
*Wind Direction	S-E	S	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)

Weather summary of the past three days

Maximum Tem. (°C):26-27°C

Minimum Tem. (°C):17-19°C Maximum RH (%):91-96%

Minimum RH (%):68-86%

Wind Direction: Southeasterly
Cloud cover: Mainly clear

Wind speed: 3.41 km/hr

Rainfall: 28.6 mm

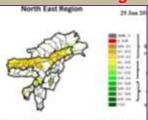
Weather forecast valid from 27thJune, 2018 To 01st July, 2018.

Date of issue: 26th 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 23-24°C and 13-14°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 60-73%. Wind direction would be southeasterly to southerly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 163.0 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 5	According to forecast probability of less				
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so				
AND ACID	stage	(maintain soil moisture in the field properly.				
LIME	J	W 7	By seeds: Seed should be sown in the				
CMAD EDIUM	(1 1	nursery immediately after extraction in				
STAR FRUIT	3	The same of the sa	to a depth 1.5 to 2 cm extraction at				
	- f		10x5 cm distance. Seedlings are planted				
DI IIM AND		//	in secondary bed or polythene bags at 4-				
PLUM AND	MAMIT		6 leaf stages. Water must b provide				
PEACH	V 10000000	1	every alternate days. 4 Potting mixture of soil, sand and FYM or				
	1	(ATZAWIL.	compost should be in proper ratio.				
	1	5	♣ Application of split dose of fertilizer 600:				
	\ \frac{1}{2}	S	200:100 (g/pt).				
	1	1 100	♣ Only certified seed should be used.				
) 6		♣ Stagnation of water in beds should be				
	1		avoided.				
		SERCH	↓ In the citrus belt, trees can be planted				
	1	V~~	at any time; however, pre-monsoon is				
	1		the best time for transplant or gap				
			filling.				
	J.		♣ Standard-size trees should be spaced 12				
		1/4/12/2017	to 25 feet apart and dwarf trees should				
		LUNGLEI	be set 6 to 10 feet apart. The exact				
	1		distance depends on the variety. The bigger the fruit, the farther the distance.				
		Gummosis,	Lamon butterfly- Spray monocrotophos				
		citrus Canker,	@0.04% @1.2 ml/lt of water.				
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5				
		Dieback, Lamon	ml/lit of water) at each flush emergence.				
		butterfly and	4 Citrus Canker- Apply bacterimycin				
		leaf minor	@0.6 g/lt of water.				
PLANTATION CR	OP						
COFFEE	Blooming	# SAIHA					
	stage	1	spell occur it lead to Floral				
	_		abnormalities like "Star Flower" in				
		20	Arabica and "Pink Flower" in Robusta.				
		112	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	Y I	According to forecast probability of less rain and temperature will be high, so
	1) (4)	maintain soil moisture in the field properly.
	1	1 3 4	♣ Start planting newly established place.
	1		♣ 10-12 kg of well rotten organic manure
		SERCHH	and 225 gm rock phosphate should be
	1	V~1~	apply at time of planting to each pit as basal dose application.
	\ \		Provide irrigation every alternative day.
			Basin clearing of all plant.
		0.000	Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly
Oil plam	Vegetative/		established orchard. According to forecast probability of less
On plain	Harvesting	n Em	rain and temperature will be high, so
	stage		maintain soil moisture in the field
		(4 20)	properly
			♣ 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be
		1	apply at time of planting to each pit as
		Linuage trans	basal dose application.
		LAWNGTLAN	♣ Provide irrigation every alternate day or
		(SAIDA	use straw mulch.
			Basin clearing of all plant.
		2 1	Rain cap can use for tapping plant
		114	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases
	MAMIT	AIZAWA.	should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Provide irrigation every alternate day or use straw mulch. Grafting: The root stock of yellow Passion fruit is
CEREALS AND	DIII SE CROPS	SERCHH	planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. Provide irrigation every alternate day or use straw mulch.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Kharif Rice	Nursery stage	KOLASIB	4	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	+	Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	; +	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	+++	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR	OP			
Ginger and turmeric	Sowing stage	LAWNGTLAL	+	Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
		The state of the s		

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Cucurbitaceo	Fruiting stage		4	According to forecast probability of
us crop				less rain and temperature will be high,
_	-			so maintain soil moisture in the field
		6		properly.
) \	-1	+	Provide split doses of urea (70g/pt) at
	land.	Very series		the time of full blooming.
	1	KOLASIB		Apply irrigation every alternate day or
	1	La S	-	use straw mulch for conserve soil
	/	77 2 2		moisture.
	7		+	In large gardens apply carbaryl 0.2 per
	1	7		cent or malathion 0.15 per cent
	Í			suspension containing sugar or
	3	(jeggery at 10 g/l at fortnightly
	MAMIT	7		intervals at flowering and fruit
	5	Z AIZAWL I	CHA	initiation against fruit fly and
	- N	Conserva-	100	pumpkin beetle.
Chilli	Vegetative to)	+	According to forecast probability of
	flowering	3 6 7		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	1 6			properly.
	1)		*	Earthing up soil for better growth and
		SERCHN	l÷.	stability in root zone.
)		*	Apply irrigation every alternate day or
	(use straw mulch for conserve soil
				moisture.
	Jii		-	Don't use split dose of any nitrogenous
		AVEL ASSESSOR	43	fertilizer for better growth. If possible use straw mulch/ grass
		LUNGLEI	12	mulch in row to prevent moisture loss
	1		7	and better growth of plant.
		Fruit fly	1	In large gardens apply carbaryl 0.2 per cent
		Truit Hy		or malathion 0.15 per cent suspension
	1			containing sugar or jeggery at 10 g/l at
		7 ()		fortnightly intervals at flowering and fruit
	l.			initiation.
Cowpea	Vegetative	1		According to forecast probability of less
	stage	Anna mare san san da		rain and temperature will be high, so
		LAWNGTLAN		maintain soil moisture in the field
		# SAIHA		properly.
				Earthing up soil for better growth and
				stability in root zone.
		00	+	Don't use split dose of any nitrogenous
		1 4 6		6 P a g e

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			fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage	1	rain and temperature will be high, so
	1	1	maintain soil moisture in the field
) \	3	properly.
		KOLASIB	♣ Earthing up soil for better growth and
	1	NULHOID	stability in root zone.
)	LA Y	Don't use split dose of any nitrogenous
	2		fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
		3	pits filled up with FYM (12-15) t/ha
	, J		♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm
	MAMIT		between and within rows in the pits.
	2		♣ Inorganic fertilizer like Urea, SSP and
	1	A ATZAWIL	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		1201 (6) 2201 0101 101 11g.
Pig	All stages		♣ Animals must keep in dry place or
		1 10	kept in alleviated area and dry bedding
	1 6		(straw) to be provided to young
	1		animals.
		SERCHN	→ 1 st injection at 6 months of age and
	1	V~	2nd injection at 12 months of age
	1		followed by annual vaccination under
		100	vet supervision against FMD.
	Ji.		Reduce concentrate diet up to 5%.
		White Tall	Provide adequate potable water. In present weather conditions
		LUNGLEI	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	(Respiratory	
		Syndrome (PRRS).	7
Cattle	All age group	-3 7	♣ In present weather conditions, special
			care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		# SAIHA	Application of turpentine oil in the
			wounds followed by application of
			antibiotics for five days is advised.
		2 5	Provide UMB/Molases if possible in the

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



		feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd
	1	injection after 6 months of 1 st injection followed by annual vaccination under
1	KOLASIB	vet supervision.
1	En	♣ Separate sick animals.
1	~ 7	♣ The animal should be washed with
7		lukewarm water added with little
1	7	potash (KMnO4) or neem leaves.
		Long hair near the
5 0	AMIT	udder/stomach/back legs should be
Poultry All age gr	roun	teamed short. + Provide preventive dose of anti-coccidial
Hi age gi	(A)ZAWL	drugs to poultry.
- L	200	Proper ventilation of shed.
1	S	♣ Provide glucose/electral along with
13	1 5	vitamin supplements (@5- 6ml/100
		birds) with adequate potable water
		4 Avoid overcrowding.
1	SERCHI	Provide broad-spectrum antihelminthic
		drugs under vet supervision and recommended doses.
)	1	
	1	proper consultation with vet.
l l	E .	> Day old chick: HVT Marek disease
71	LUNGLEI	vaccine, 4-7 days: ¬F/Lasota, 14-18
	2 maryanette	days: Intermediate plus/IBD
	1	vaccine, 35 days: F/Lasota, 6-7
	7 17	weeks: Chicken embryo adopted
	13	fowl pox vaccine and 56-70 days:
	1901	RD R-2B strain.
FISHERY		Remove wet litter.
		1 One should be 4-1 that Call Call
Monitoria	The second secon	Care should be taken that fish are fed
fish in p		with feed that are free from fungus. If the fungal growth is observed in fish
	SAIH.	feed, the feed needs to be sundried for
	1	few days prior to feeding.
		Fish feed should be stored in cool and
		8 P a g e

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dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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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: Champhai Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

	100	P	5		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	26	17	39	43	38
Max Temp (°C)	23	23	23	24	24
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	99	100
Min RH (%)	73	60	67	72	68
Wind Speed (KmpH)	2	2	2	3	2
*Wind Direction	S-E	S	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) Kolasib- 352.38mm

Champhai- 239.49mm Saiha- 109.52 mm Aizawl- 383.68mm (341.8mm)

(250.30mm)(87.2mm)

(380.9mm)Serchhip-411.72mm

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

(259.8mm)

Weather summary of the past three days

27th June - 01st July, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-27°C Minimum Tem. (°C):17-19°C Maximum RH (%):91-96% Minimum RH (%):68-86% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 3.41 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 23-24°C a ni ang a. A vawh lai ber in 13-140C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 60-73% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 28.6 mm

Weekly cumulative rainfall: 163.0mm

NDVI for Mizoram

North East Regi

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th June, 2018

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		7	tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	100	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			Weigning things then the let less let
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	Į.	2 1 3 3	a pui dawn a ni.
	N) -3	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAL	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
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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South as we want	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	1	5	♣ 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		
Totato	bowing stage	/ AIZAWL /	chu buatsaih vat tur ani.
	1	1	Hei hian a than hun laiin natna hrikin
	1	(lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai
	1		taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
		SEROUN.	hmasak tur ani.
		SERCHH	A than a that their nan nikhat danah
VEGETABLE CR	OP		tui pek thin tur ani.
Tomato	Bacterial		4 Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	3		ani.
		- Em	Tomato hi a uai a, a thih mai loh nan
		11	Ridomil emaw Indofil emaw Mancozeb
		(4 20)	@ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole	Black spot		4 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
_		LAWNGTLAL	Thlai bul vawn hnawn nana thlai bula
		SAIHA	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		(Zawnan dan tur am.
		1	sa vangin a hnah ah thil dum rawn
	1	NO	

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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
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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

LAWNGTLAL

CHAMPAI

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/English

Date of issue: 26th June, 2018

Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	29	42	22	31	48
Max Temp (°C)	29	28	28	27	27
Min Temp (°C)	17	17	17	16	16
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	98	100	99	100
Min RH (%)	67	72	66	71	74
Wind Speed (KmpH)	2	3	3	2	2
*Wind Direction	S	S	S-E	E	E

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

Status of Pre Monsoon- 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):27-29°C

Minimum Tem. (°C):21-22°C Maximum RH (%):90-98%

Maximum RH (%):90-98% Minimum RH (%):79-89%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.95 km/hr

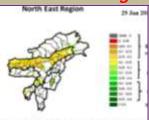
Rainfall: 38.2 mm

Weather forecast valid from 27thJune, 2018 To 01st July, 2018.

There are chances of heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-29°C and 16-17°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 66-74%. Wind direction would be southerly to southeasterly and easterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 172.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 1	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	NULHOID	maintain soil moisture in the field properly.
LIME	stage	LA.	♣ By seeds: Seed should be sown in the
CMAD DDIIIM	(1 1	nursery immediately after extraction in
STAR FRUIT	3	The state of the s	to a depth 1.5 to 2 cm extraction at
	f.	(10x5 cm distance. Seedlings are planted
	, J	7	in secondary bed or polythene bags at 4-
PLUM AND	2 MAMIT		6 leaf stages. Water must b provide
PEACH	7 1/1/2010	A CONTRACTOR OF THE PARTY OF TH	every alternate days.
	1	(AIZAWL)	→ Potting mixture of soil, sand and FYM or
	1	200	compost should be in proper ratio.
	1	(Application of split dose of fertilizer 600:
	9	1 66	200:100 (g/pt). 4 Only certified seed should be used.
	1	_ V 3 N	
	No S		avoided.
		SERCH	If the citrus belt, trees can be planted
		SERUM	at any time; however, pre-monsoon is
	y .		the best time for transplant or gap
			filling.
	14	(1)	Standard-size trees should be spaced 12
			to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3	The Leville and I	distance depends on the variety. The
	20/1	500	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos
)	citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	4 Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	# SAIHA	
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		00	Arabica and "Pink Flower" in Robusta.
		11111	2 Page

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	MAMIT	KOLASIB	 Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage		According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	36	1 6	properly.
)		Start planting newly established place.
)		4 10-12 kg of well rotten organic manure
		SERCHN	and 225 gm rock phosphate should be apply at time of planting to each pit as
	1	V to	basal dose application.
	5		 Provide irrigation every alternative day.
			♣ Basin clearing of all plant.
	200	Millionetto	Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly established orchard.
Oil plam	Vegetative/	-8-	According to forecast probability of less
F	Harvesting	n ?~	rain and temperature will be high, so
	stage		maintain soil moisture in the field
	(1986	properly 4 10-12 kg of well rotten organic manure
		(())	and 225 gm rock phosphate should be
		1	apply at time of planting to each pit as
		LAWNGTLAL	basal dose application.
		SAIHA	♣ Provide irrigation every alternate day or
			use straw mulch.
			Basin clearing of all plant.Rain cap can use for tapping plant
		6	and the same same and the same property
		1 4 6	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings.
	MAMIT	AIZAWA	 A cutting should contain at least 3 buds and must be planted in sand beds. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Provide irrigation every alternate day or use straw mulch.
		SERCHH	Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Kharif Rice	Nursery stage	KOLASIB	4	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	4	Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHH	+	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	+++	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR	OP			
Ginger and turmeric	Sowing stage	LAWNGTLAL	1	Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.

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Cucurbitaceo	Fruiting stage		4	According to forecast probability of
us crop	1 1 milling bruge			less rain and temperature will be high,
				so maintain soil moisture in the field
		/		properly.
		7	4	Provide split doses of urea (70g/pt) at
	1	V		the time of full blooming.
		KOLASIB	4	Apply irrigation every alternate day or
	1	Ex S		use straw mulch for conserve soil
	1	7		moisture.
)		4	In large gardens apply carbaryl 0.2 per
)	5		cent or malathion 0.15 per cent
	1			suspension containing sugar or
	2			jeggery at 10 g/l at fortnightly
	MAMIT	1		intervals at flowering and fruit
	5	AIZAWL I	CHI	initiation against fruit fly and
	- 1	Comenton.	21,55	pumpkin beetle.
Chilli	Vegetative to)	+	According to forecast probability of
	flowering	6 7		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	1 6		_	properly.
	1)		-	Earthing up soil for better growth and
	5	SERCHN	IF.	stability in root zone.
	1	V~1~	-	Apply irrigation every alternate day or
	(use straw mulch for conserve soil moisture.
		1	_	Don't use split dose of any nitrogenous
	Ji i		-	fertilizer for better growth.
	1	MEMORIA	4	If possible use straw mulch/ grass
		LUNGLEI	12	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
			1	or malathion 0.15 per cent suspension
	1	Y Var and I	X	containing sugar or jeggery at 10 g/1 at
			9	fortnightly intervals at flowering and fruit
	**		(initiation.
Cowpea	Vegetative	1	*	According to forecast probability of less
	stage	LAWNGTLAN		rain and temperature will be high, so
		The state of the s		maintain soil moisture in the field
		SAIHA		properly.
				Earthing up soil for better growth and stability in root zone.
		1 2 1	4	Don't use split dose of any nitrogenous
		P 1	-	
				6 P a g e

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			fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage	1	rain and temperature will be high, so
	()	1	maintain soil moisture in the field
) \	21	properly.
	1	KOLASIB	♣ Earthing up soil for better growth and
	1	NULHOID	stability in root zone.
)	LA Y	Don't use split dose of any nitrogenous
	0 1		fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
		3	pits filled up with FYM (12-15) t/ha
	, J		Sprouted corms or cormels are planted
	MAMIT		5-7 deep at a spacing of 40-50 cm between and within rows in the pits.
	7. 10.000		♣ Inorganic fertilizer like Urea, SSP and
	100	(ATZAVVIL.)	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		1101 & 220. 010. 101 hg.
Pig	All stages	100	♣ Animals must keep in dry place or
		1 500	kept in alleviated area and dry bedding
) 6		(straw) to be provided to young
	1		animals.
		SERCHN	1st injection at 6 months of age and
		1	2nd injection at 12 months of age
	(followed by annual vaccination under
			vet supervision against FMD.
			Reduce concentrate diet up to 5%.
	200	Millione	Provide adequate potable water.
		LUNGLEI	In present weather conditions
	1	_	vaccinate against swine fever (Vaccines
		Porcine	available in State Veterinary Departs)
		Reproductive	1. Culling of positive pigs or piglets.
	1	Respiratory	V.
		Syndrome (PRRS).)
Cattle	All age group		♣ In present weather conditions, special
		A	care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		SAIHA	Application of turpentine oil in the
		(SAINA	wounds followed by application of
			antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		The second second	U

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		KOLASIB	feed Provide 10-30 ml of vitamin B-Complex in feed Ist injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under 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	AIZAWAL	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 ♣ 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)	1 2	1
	Monitoring of fish in pond	LAWNGTLAN	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and

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dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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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: Kolasib Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/Mizo

	1. 1.	P	5		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	29	42	22	31	48
Max Temp (°C)	29	28	28	27	27
Min Temp (°C)	17	17	17	16	16
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	98	100	99	100
Min RH (%)	67	72	66	71	74
Wind Speed (KmpH)	2	3	3	2	2
*Wind Direction	S	S	S-E	E	E

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

Status of Pre Monsoon- 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 27th June – 01st July, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):27-29°C
Minimum Tem. (°C):21-22°C
Maximum RH (%):90-98%
Minimum RH (%):79-89%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.95 km/hr

Rainfall: 38.2 mm

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 16-17°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 66-74% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 172.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th June, 2018

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	376	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 keh tur lakah t a veng thei ani.
PEACH	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(l	
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	f.		paih fai vek tur ani.
	, J	7/	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000		Hmun dam lutukah dah loh tur.
	3.	Z AIZAVIL I	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	100	1 6 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	parchment 10 %, Arabica cherry 10.5 % leh
			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 -
	7.6		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DIII CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	500	✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A Chin hun	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	((4 7)	a pui dawn a ni.
			♣ A chi chu kan lei leh saah chuan kan
) -3]	dah ang.
		1	
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		(SMITH	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A S I	A chi tuh hma in lei leh FYM @5-10
		60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		111	3 P a g e

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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)



Southoon noo	All stage	Zoro tillogo	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. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1
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).	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. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preve	ntive 0-3 rd week	
meas		1-6 ah F1 vaccine pek tur ani a, chuan
III dus	The same	a puitlingh chuan R ₂ B vaccine pek tur
	}	ani.
	Same	♣ B complex with antibodies
	4 th weeks	♣ Coccidiosis - Amprolium or
12		coccidiostat
T T	4-5 th Weeks	
FISHERY	AIZAWA	CHAMPAI
	ring .	♣ Sangha te hi chaw a hmuar kai lo
Monitor		chauh pek thin tur ani. Sangha chaw a
(Sangha		lo hmuar anih chuan pek hma in ni sa
enkawl)		a phoro phawt tur ani.
		Sangha chaw hi a hmuar lohna turin
	1)	hmun ro leh uan lutuk lo ah dahthat
	SERI	tur ani a, hmuar atang a tur lo inseam
	V to	thin, aflatoxin avang a sangha thi lak
	4	atangin sangha a him phah thin.
		🖊 Dil sah kang veka sangha man thin
	1	hian a kumleh a sangha khawinan a dil
	LUNGLEI	buatsaih a ti awlsam a, dil mawng
	2 marketing	phoro, chinai phul, leitha hman leh tul
	1	dang in dil buatsaih tur ani.
	7 17	Sangha te natna lak atangin an him em
		tih enfiah fo a tha a, natna hmuh anih
	(50 20)	chuan mithiam te rawn vat a, diltui
		enfiah vat tur ani. 4 A ranglam a chinai @50kg/ha leh
	3	tuisen @1.5mg/l diltui a hman hian
	1	sangha natna avang a thi tur lak
	LAWNGTLAL	atangin a veng thei.
) f si	attaight a verig their
		-J
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	1 7 6	(

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 27 June - 01 July, 2018

Bulletin No: - 802/2018/ Bulletin/English

	1. 1.	P	1		
Parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	18	29	45	50	34
Max Temp (°C)	31	30	29	28	29
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	95	96	98	98	96
Min RH (%)	65	71	81	79	72
Wind Speed (KmpH)	3	4	4	4	3
*Wind Direction	S-E	S-E	S-E	S-E	E

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

Status of Pre Monsoon- 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)

Very local transfer of the part | Westher forecast walld from 27th lune 2018 To 01st

Weather summary of the past three days

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):18-20°C

Maximum RH (%):86-96%

Minimum RH (%):72-81%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.41 km/hr

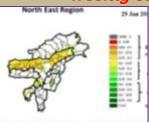
Rainfall: 16.3 mm

Weather forecast valid from 27thJune, 2018 To 01st July, 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 13-14°C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 65-81%. Wind direction would be southeasterly to easterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 176.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 26th June, 2018

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal	_	practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI	Nursery and	e 5	According to forecast probability of less				
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so				
AND ACID	stage	(maintain soil moisture in the field properly.				
LIME	J	W 7	By seeds: Seed should be sown in the				
CMAD EDIUM	(1 1	nursery immediately after extraction in				
STAR FRUIT	3	The same of the sa	to a depth 1.5 to 2 cm extraction at				
	- f		10x5 cm distance. Seedlings are planted				
DI IIM AND	J	11	in secondary bed or polythene bags at 4-				
PLUM AND	MAMIT		6 leaf stages. Water must b provide				
PEACH	V 10000000	1	every alternate days. 4 Potting mixture of soil, sand and FYM or				
	1	(ATZAWIL.	compost should be in proper ratio.				
	1	5	♣ Application of split dose of fertilizer 600:				
	\ \frac{1}{2} \cdots	S	200:100 (g/pt).				
	1	1 100	♣ Only certified seed should be used.				
) 6		♣ Stagnation of water in beds should be				
	1		avoided.				
		SERCH	↓ In the citrus belt, trees can be planted				
	1	V~~	at any time; however, pre-monsoon is				
	1		the best time for transplant or gap				
			filling.				
	J.		♣ Standard-size trees should be spaced 12				
		1/4/12/2017	to 25 feet apart and dwarf trees should				
		LUNGLEI	be set 6 to 10 feet apart. The exact				
	1		distance depends on the variety. The bigger the fruit, the farther the distance.				
		Gummosis,	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						
COFFEE	Blooming	# SAIHA					
	stage	1	spell occur it lead to Floral				
	_		abnormalities like "Star Flower" in				
		20	Arabica and "Pink Flower" in Robusta.				
		11111	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	Y I	According to forecast probability of less rain and temperature will be high, so
	1) (4)	maintain soil moisture in the field properly.
	1	1 3 4	♣ Start planting newly established place.
	15		♣ 10-12 kg of well rotten organic manure
		SERCHH	and 225 gm rock phosphate should be
	1	V~1~	apply at time of planting to each pit as basal dose application.
	\ \		Provide irrigation every alternative day.
			Basin clearing of all plant.
		0.000	Rain cap can use for tapping plant
		LUNGLEI	Start intercropping in newly
Oil plam	Vegetative/		established orchard. According to forecast probability of less
On plain	Harvesting	n Em	rain and temperature will be high, so
	stage		maintain soil moisture in the field
		(4 20)	properly
			♣ 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be
		1	apply at time of planting to each pit as
		Linuage trans	basal dose application.
		LAWNGTLAN	♣ Provide irrigation every alternate day or
		(SAIDA	use straw mulch.
			Basin clearing of all plant.
		2 1	Rain cap can use for tapping plant
		114	3 P a g e

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Passion Fruit	Transplanting stage	KOLASIB	 Start intercropping in newly established orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. High yielding mother vine with good quality fruits and free of virus diseases
	MAMIT	AIZAWA.	should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Provide irrigation every alternate day or use straw mulch. Grafting: The root stock of yellow Passion fruit is
CEREALS AND	DIII SE CROPS	SERCHH	planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. Provide irrigation every alternate day or use straw mulch.
Maize (Jhum)	Vegetative stage	LUNGLEI	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)

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Kharif Rice	Nursery stage	KOLASIB	4	for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.
	MAMIT	AIZAWL	+	Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	; +	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	+++	Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR	OP			
Ginger and turmeric	Sowing stage	LAWNGTLAL	+	Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
		The state of the s		

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Cucurbitaceo	Fruiting stage		4	According to forecast probability of
us crop				less rain and temperature will be high,
_	-			so maintain soil moisture in the field
		6		properly.
) \	-1	+	Provide split doses of urea (70g/pt) at
	land.	Very series		the time of full blooming.
	1	KOLASIB		Apply irrigation every alternate day or
	1	La S	-	use straw mulch for conserve soil
	/	77 2 2		moisture.
	7		+	In large gardens apply carbaryl 0.2 per
	1	7		cent or malathion 0.15 per cent
	Í			suspension containing sugar or
	3	(jeggery at 10 g/l at fortnightly
	MAMIT	7		intervals at flowering and fruit
	5	Z AIZAWL I	CHA	initiation against fruit fly and
	- N	Conserva-	100	pumpkin beetle.
Chilli	Vegetative to)	+	According to forecast probability of
	flowering	3 6 7		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	1 6			properly.
	1)		*	Earthing up soil for better growth and
		SERCHN	l÷ .	stability in root zone.
)		*	Apply irrigation every alternate day or
	(use straw mulch for conserve soil
				moisture.
	Jii		-	Don't use split dose of any nitrogenous
		AVEL ASSESSOR	43	fertilizer for better growth. If possible use straw mulch/ grass
		LUNGLEI	12	mulch in row to prevent moisture loss
	1		7	and better growth of plant.
		Fruit fly	1	In large gardens apply carbaryl 0.2 per cent
		Truit Hy		or malathion 0.15 per cent suspension
	1			containing sugar or jeggery at 10 g/l at
		7 ()		fortnightly intervals at flowering and fruit
	l.			initiation.
Cowpea	Vegetative	1		According to forecast probability of less
	stage	Anna mare san san da		rain and temperature will be high, so
		LAWNGTLAN		maintain soil moisture in the field
		# SAIHA		properly.
				Earthing up soil for better growth and
				stability in root zone.
		00	+	Don't use split dose of any nitrogenous
		1 4 6		6 P a g e

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			fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage	1	rain and temperature will be high, so
	1	1	maintain soil moisture in the field
) \	3	properly.
		KOLASIB	♣ Earthing up soil for better growth and
	1	NULHOID	stability in root zone.
)	LA Y	Don't use split dose of any nitrogenous
	2		fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
		3	pits filled up with FYM (12-15) t/ha
	, J		♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm
	MAMIT		between and within rows in the pits.
	2		♣ Inorganic fertilizer like Urea, SSP and
	1	A ATZAWIL	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		1201 (6) 2201 0101 101 11g.
Pig	All stages		♣ Animals must keep in dry place or
		1 10	kept in alleviated area and dry bedding
	1 6		(straw) to be provided to young
	1		animals.
		SERCHN	→ 1 st injection at 6 months of age and
	1	V~	2nd injection at 12 months of age
	(followed by annual vaccination under
		100	vet supervision against FMD.
	Ji.		Reduce concentrate diet up to 5%.
		White Tall	Provide adequate potable water. In present weather conditions
		LUNGLEI	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	(Respiratory	
		Syndrome (PRRS).	7
Cattle	All age group	-3 7	♣ In present weather conditions, special
			care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		SAIHA	Application of turpentine oil in the
			wounds followed by application of
			antibiotics for five days is advised.
		2 5	Provide UMB/Molases if possible in the

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			feed ♣ Provide 10-30 ml of vitamin B-Complex in feed ♣ 1st injection at 6-8 weeks of age, 2nd
	1 6	3	injection after 6 months of 1 st injection followed by annual vaccination under
	1	KOLASIB	vet supervision.
	1	FA 5	♣ Separate sick animals.
	1	" 1	4 The animal should be washed with
	7		lukewarm water added with little
	1	2 5	potash (KMnO4) or neem leaves.
)		Long hair near the
	MAMIT		udder/stomach/back legs should be teamed short.
Poultry	All age group	1	 Provide preventive dose of anti-coccidial
Toultry	im ago group	(AIZAWL)	drugs to poultry.
		3	♣ Proper ventilation of shed.
	3	S	♣ Provide glucose/electral along with
	1	1 1/4	vitamin supplements (@5- 6ml/100
	2 6		birds) with adequate potable water
	1)		4 Avoid overcrowding.
	-	SERCHN	Provide broad-spectrum antihelminthic drugs under vet supervision and
	1	V	recommended doses.
			♣ Vaccination as per the schedule with
	1		proper consultation with vet.
	100		Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days: ¬F/Lasota, 14-18
	3	TOTAL STREET	days: Intermediate plus/IBD
	- 1	- 22	vaccine, 35 days: F/Lasota, 6-7
		11	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days: RD R-2B strain.
	1	17 6	RD R-2D strain. Remove wet litter.
FISHERY	1	1 50 4	- Tollove wet litter.
	Monitoring of		♣ Care should be taken that fish are fed
	fish in pond	LAWNGTLAN	with feed that are free from fungus. If
	Posta	SAIHA	the fungal growth is observed in fish
			feed, the feed needs to be sundried for
			few days prior to feeding.
		000	Fish feed should be stored in cool and
		1 1 1	8 P a g e

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dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After KOLASIB 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 MAMIT immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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