

#### 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: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/English

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	10	19	10	14	18
Max Temp (°C)	31	30	29	29	30
Min Temp (°C)	18	17	17	16	16
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	98	97	100	98
Min RH (%)	55	62	62	62	69
Wind Speed (KmpH)	2	3	2	2	3
*Wind Direction	N-E	S-E	S-E	E	S-E

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

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

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

Kolasib- 352.38mm (87.2mm)

(380.9mm)

Lawngtlai-321.51mm (285.5mm) Lunglei-344.00mm (186.21 mm)

(250.30mm)

Mamit-449.48mm (442.80mm)

Serchhip-411.72mm (25.9 mm)

Weather summary of the past three days

(341.8mm)

Maximum Tem. (°C):27-32°C Minimum Tem. (°C):20-24°C

Maximum RH (%):98-100% Minimum RH (%):50-96%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.39 km/hr

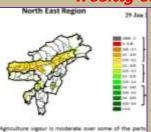
Rainfall: 65.3 mm

Weather forecast valid from 25th July, 2018 To 29th July, 2018.

There are chances of moderate rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 16-18°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 55-69%. Wind direction would be northeasterly to southeasterly to easterly and southeasterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 71.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 5	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage	(	maintain the drainage channel around the
LIME	J	C , All	field properly.
STAR FRUIT	(	1 1	<b>By seeds:</b> Seed should be sown in the
SIAK FRUII	3	Comp.	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at
PLUM AND		//	10x5 cm distance. Seedlings are planted
PEACH	MAMIT		in secondary bed or polythene bags at 4-6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	CONTENTOL:	♣ Potting mixture of soil, sand and FYM or
	1	5	compost should be in proper ratio.
	1		♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
	2 6		♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
	1	V	♣ In the citrus belt, trees can be planted
	(		at any time; however, pre-monsoon is
	4		the best time for transplant or gap filling.
	- 1		Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
	2.1	22	distance depends on the variety. The
	. 7	17 ( )	bigger the fruit, the farther the distance.
	1	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 ml/lit of water) at each flush emergence.
		Dieback, Lamon butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP	icai minor	<u> </u>
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	2 5	maintain the drainage channel around the
		1/7/	2   Page
		-	2   P a g e

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			field properly.
			Coffee should be grown as a single stem system. Pruning is required to:
			Supply good healthy wood for the next
	3. 1	1	season's crop;
	1	V	
		KOLASIB	area and crop;
	1	(A)	Prevent overbearing and dieback;
	1	" 1	Reduce biennial bearing;
	7		♣ Maintain good tree shape.
	1	2 6	De suckering-
	1		♣ De-sucker to maintain a single stem system
	\$ MAMIT		and avoid competition from suckers
	1 memory	\(	Remove 'fly crop' fruit (early fruit which
	30	AIZAWL I	compete with strong plant/root
	1	1	development) as they appear.
	1	( )	Weeding
	1	1 1	♣ Weeding or basin clearing must be
	) 6		done for better growth and
			1 1 ,
			development.
Rubber	Transplanting	SERCHN	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so
Rubber		SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.
Rubber	and gap	my	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.
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Rubber	and gap	my	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
Rubber	and gap	my	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.
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	and gap filling	my	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Rubber Oil plam	and gap filling	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge
	and gap filling  Vegetative/ Harvesting	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so
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3 | Page

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4 | Page

Passion Fruit	Vegetative	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND			
Maize (Jhum)	Physiological maturity stage		<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Harvest all the mature cobs.</li> <li>To reduce grain moisture proper drying is required.</li> <li>Keep the cobs in dry place if sunlight will not be available</li> </ul>
Maize	Germination stage	SAIHA	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

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			4	Gap filling is required due to poor
			_	germination percentage due to high
				rainfall.
			4	Weeding and fertilizer application
		7 3		must be done.
	1	V	4	Probability of stem borer infestation
		KOLASIB	V.	will be high. Spray any systemic
	1	Ka S		insecticide.
Kharif Rice	Transplanting	" [ [ ]	4	According to forecast and past weather
	stage			record, probability of rain will be high
	1	7		and temperature will be less. So soil
	1			moisture should be maintained in the
	3			field. Proper drainage should be
	/ MAMIT	1		maintained. Make channel to drain out
	1	Z AIZAWL I	Ġ.	excess water.
		7	-	Water level shall be maintained for
	)	1		better transplant.
	1	1 0 6		Plough the field two to three times. According to forecast probability of rain
				will be moderate to high and
	1			temperature will be less so run off and
	1			proper drainage should be maintained
		SERCHH	I F	in the field.
		V Lan	4	Transplant 2-3 seedlings in one place
	-			for avoid gap filling.
			_+	Spacing should be 20 cm row to row
	1			and 15 cm plant to plant.
		LUNGLEI	4	Keep some seedlings in nursery or
				corner of the field for gap filling.
Jhum Rice	Vegetative	55	-	According to forecast probability of less
	stage	11 ( ~	3	rain and temperature will be high, so
				maintain soil moisture in the field
		1 7 6		properly.  Earthing up soil for better growth and
	,		-	stability in root zone.
			4	Use split dose of any nitrogenous
		land the same of t	_	fertilizer for better growth.
Kharif pulses	Germination	LAWNGTLAY	4	According to forecast probability of
(Green gram,	stage	# SAIHA		huge rain and temperature will be low,
Black gram and	stage			so maintain the drainage channel
Rajma)		A SECOND	-	around the field properly.
		6	(1)	- <del>-</del> <del>-</del> <del>-</del> <del>-</del> - <del>-</del>

5 | Page

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6 | Page

# Gap filling is required due to present the distribution of the desired due to present the distribution of the desired due to distribution of the desired due to distribution.  # Rhizome should be treated with Thir @4 g/kg seed.  # Use optimum seed rate (50-60 kg/has for desire plant population.  # Apply well decomposed FYM/manure @ 10-20 t/ha along with the distribution of the distribution of the distribution of sowing and remaining 25% after the distribution of the distribution	ram pig with O/ha ving. time
rainfall.  Weeding must be done to reduce of weed computation.  VEGETABLE CROP  Ginger and turmeric  Rhizome should be treated with Thir @4 g/kg seed.  Use optimum seed rate (50-60 kg/ha for desire plant population.  Apply well decomposed FYM/manure @ 10-20 t/ha along with a lang of the second s	ram pig with having. time
# Weeding must be done to reduce of weed computation.  VEGETABLE CROP  Ginger and turmeric  Sowing stage  Use optimum seed rate (50-60 kg/har for desire plant population.  Apply well decomposed FYM/manure @ 10-20 t/ha along will 120:80:60 kg N, P₂O₅ and K₂O incorporate with soil before sow Half nitrogen dose will use at the tof sowing and remaining 25% after	ram pig with O/ha ving. time
weed computation.  VEGETABLE CROP  Ginger and turmeric  Use optimum seed rate (50-60 kg/ha for desire plant population.  ↓ Apply well decomposed FYM/manure @ 10-20 t/ha along will 120:80:60 kg N, P₂O₅ and K₂O incorporate with soil before sow Half nitrogen dose will use at the tof sowing and remaining 25% after	ram pig with O/ha ving. time
VEGETABLE CROP  Ginger and turmeric  Sowing stage  Use optimum seed rate (50-60 kg/ha for desire plant population.  Apply well decomposed FYM/manure @ 10-20 t/ha along was 120:80:60 kg N, P₂O₅ and K₂O incorporate with soil before sow Half nitrogen dose will use at the tof sowing and remaining 25% after	pig with O/ha ving. time
Ginger and turmeric  Apply well decomposed FYM/manure @ 10-20 t/ha along will 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the tof sowing and remaining 25% after	pig with O/ha ving. time
turmeric  @4 g/kg seed.  Use optimum seed rate (50-60 kg/ha for desire plant population.  Apply well decomposed FYM/manure @ 10-20 t/ha along volume 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O incorporate with soil before sow Half nitrogen dose will use at the tof sowing and remaining 25% after	pig with O/ha ving. time
Use optimum seed rate (50-60 kg/ha for desire plant population.  ♣ Apply well decomposed FYM/ manure @ 10-20 t/ha along v 120:80:60 kg N, P₂O₅ and K₂O incorporate with soil before sow Half nitrogen dose will use at the tof sowing and remaining 25% after	pig with D/ha ving. time
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incorporate with soil before sow Half nitrogen dose will use at the tof sowing and remaining 25% after	ving. time
Half nitrogen dose will use at the too f sowing and remaining 25% after	time
of sowing and remaining 25% after	
of sowing and remaining 25% after	one
month and 25% at flowering stage.	
Cucurbitaceo Fruiting stage   ♣ According to forecast probability	y of
us crop less rain and temperature will be h	nigh,
so maintain soil moisture in the f	field
properly.	
♣ Provide split doses of urea (70g/pt	t) at
the time of full blooming.	
♣ Apply irrigation every alternate day	y or
use straw mulch for conserve	soil
moisture.	
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	? per
cent or malathion 0.15 per o	cent
suspension containing sugar	or
jeggery at 10 g/l at fortnig	
	fruit
	and
pumpkin beetle.	
Chilli Vegetative to	
flowering less rain and temperature will be h	
stage so maintain soil moisture in the f	field
properly.	
Earthing up soil for better growth a	and
stability in root zone.	
♣ Apply irrigation every alternate day	
use straw mulch for conserve	

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moisture.  Don't use split dose of any nitrog fertilizer for better growth.  If possible use straw mulch/mulch in row to prevent moisture and better growth of plant.  Fruit fly  In large gardens apply carbaryl 0.2 per or malathion 0.15 per cent susp containing sugar or jeggery at 10 fortnightly intervals at flowering and initiation.  Cowpea  Vegetative stage  According to forecast probability or rain and temperature will be high	grass e loss er cent ension g/l at d fruit of less gh, so field
fertilizer for better growth.  If possible use straw mulch/mulch in row to prevent moistur and better growth of plant.  Fruit fly  In large gardens apply carbaryl 0.2 per or malathion 0.15 per cent susp containing sugar or jeggery at 10 fortnightly intervals at flowering and initiation.  Cowpea  Vegetative stage  Vegetative rain and temperature will be high	grass e loss er cent ension g/l at d fruit of less gh, so field
Fruit fly  Fruit fly	er cent ension g/l at d fruit of less gh, so field
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fortnightly intervals at flowering and initiation.  Cowpea  Vegetative stage  fortnightly intervals at flowering and initiation.  According to forecast probability or rain and temperature will be high	of less gh, so field
Cowpea Vegetative stage initiation.  Lowpea Vegetative rain and temperature will be high	of less gh, so field
Cowpea Vegetative According to forecast probability of rain and temperature will be high	gh, so field
stage rain and temperature will be high	gh, so field
	field
maintain agil maigtrum in the	
properly.	
■ Earthing up soil for better growt	h and
stability in root zone.	- 0.1101
	enous
fertilizer for better growth.	ciicus
Okra Vegetative	of less
stage rain and temperature will be high	
maintain soil moisture in the	
SERCHN F properly.	nora
<b>♣</b> Earthing up soil for better growt	h and
stability in root zone.	ir aira
■ Don't use split dose of any nitrog	enous
fertilizer for better growth.	0110 015
Colocasia Sowing stage   Planting is done well prepared la	nd or
pits filled up with FYM (12-15) t/h	
Sprouted corms or cormels are p	
5-7 deep at a spacing of 40-5	
between and within rows in the pi	
MOP @ 220: 375: 134 kg.	
ANIMAL HUSBENDARY	
Pig All stages   ♣ Animals must keep in dry pla	ce or
kept in alleviated area and dry be	
(straw) to be provided to	
animals.	. 3
↓ 1st injection at 6 months of ag	e and
2nd injection at 12 months of	
followed by annual vaccination	
7   P :	

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8 | P a g e

	5	Porcine	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
	}	Reproductive Respiratory Syndrome (PRRS).	
Cattle	All age group	AIZAWL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be</li> </ul>
Poultry	All age group	LAWNGTLAL	drugs under vet supervision and
		SAIHA	♣ Provide broad-spectrum antihelminthic

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57	<ul> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>➤ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD</li> </ul>
	vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY	Remove wet litter.
Monitoring of fish in pond	Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to av oid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.  Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
	Olbasa
	9   P a g e

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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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: Kolasib Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/Mizo

		P	5.0		
Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	10	19	10	14	18
Max Temp (°C)	31	30	29	29	30
Min Temp (°C)	18	17	17	16	16
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	98	97	100	98
Min RH (%)	55	62	62	62	69
Wind Speed (KmpH)	2	3	2	2	3
*Wind Direction	N-E	S-E	S-E	E	S-E

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

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

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

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

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

(442.80mm)(285.5mm)(25.9mm)(186.21 mm)

25<sup>th</sup> July - 29<sup>th</sup> July, 2018 chhunga sik leh sa Weather summary of the past three days dinhmun tur tlangpui

Maximum Tem. (°C):28-31°C Minimum Tem. (°C):22-23°C Maximum RH (%):97-99% Minimum RH (%):82-94% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.15 km/hr

Rainfall: 48.2 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-31°C a ni ang a. A vawh lai ber in 16-18°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 55-69% 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: 71.0mm

**NDVI** for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 24th July, 2018

1 | Page

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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)



2 | Page

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2/	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	f., C	
	)	60°y	♣ Sneg hmaih te lakkhawma paih vek tur
	8	2	ani.
	5	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.  Hmun dam lutukah dah loh tur.
	7. 10.55		Boruak tha taka a hmuh theih nan leh a
	7.	√ AIZAVVI	rawn chawr no theih nan thlai chu uluk
	1	2	tak a hlawi tur ani.
	1		4 Chuan hei hian kah tur ani. Quinalphos 25
	16	3 64 6	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			➡ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHH	
		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 <sub>2</sub> O <sub>5</sub> leh
		VIV	3   P a g e

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



4 | Page

	5		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	2	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongohang laying alu ahin na tun
Potato	Sowing stage	LAIZAVIL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1	7	Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	2001 (A. 200	hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Powler Cala	Die als swat		tur ani .  4 A than a that theih nan nikhat danah
Early Cole	Black spot disease	-4	tui pek thin tur ani.
crop	arsease	language and the	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

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	5		awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  ② 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	3	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 Hunch 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	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>

5 | Page

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB Porcine	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> <li>Vawknote emaw vawk lak hran.</li> </ul>
	3 moure	Reproductive	1
	MAMIT	Respiratory	7
	3	Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a,
	1	1 54	chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	<ul> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter	1 53 4	4 Ar te hian hmun thawl nuam tawk,
	management	LAWNGTLAL	chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.  4 An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.

6 | Page

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7 | P a g e

		1	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.
	5	1	4	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	En . S		1-6 ah F1 vaccine pek tur ani a, chuan
	/	" 1		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	7		١.	ani.
	1		*	B complex with antibodies
	1	4 <sup>th</sup> weeks	+	Coccidiosis- Amprolium or
	S CARRATT		_	coccidiostat
	J. INFONET	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	( AIZAVVL	CH	AMPAL }
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 199		lo hmuar anih chuan pek hma in ni sa
	) 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	HP)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	130		5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	276	NAME OF THE OWNERS OF THE OWNER,		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	199	phoro, chinai phul, leitha hman leh tul
	1		- 7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		17	1	tih enfiah fo a tha a, natna hmuh anih
		P \	1	chuan mithiam te rawn vat a, diltui
		137 [		enfiah vat tur ani.
	, i	1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LAWNGTLAL		sangha natna avang a thi tur lak
		The state of the s		atangin a veng thei.
		SAIH	9	)
			Prince	77
			1	2

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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SAIHA

LAWNGTLAL

CHAMPAI

8 | P a g e

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**Parameters** 

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

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)



District: Lawntlai Period: 25 July - 29 July, 2018

26.07.2018

31

30

14

Mainly cloudy

98

88

5

Bulletin No: - 810/2018/ Bulletin/English

25.07.2018

14

30

14

Mainly cloudy

96

59

4

N.		
27.07.2018	28.07.2018	29.07.2018
15	9	14
29	29	30
14	15	15
Partially clear	Partially clear	Partially clear
95	97	96

67

4

Date of issue: 24th July, 2018

\*Wind Direction E S-E S-E S-E S-E

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

Status of Pre Monsoon- June 1-30, 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)

75

4

(380.9mm)

72

2

S-E

Lawngtlai-321.51mm Lungle (285.5mm)

Lunglei-344.00mm Mamit-449.48mm (186.21mm) (442.80mm)

Serchhip-411.72mm (25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):28-32°C Minimum Tem. (°C):22-25°C Maximum RH (%):96-99%

Minimum RH (%):78-91%
Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 3.61 km/hr

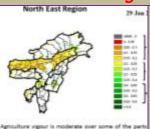
Rainfall: 36.2 mm

Weather forecast valid from 25<sup>th</sup>July, 2018 To 29<sup>th</sup> July, 2018.

There are chances of moderate to light and heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 14-15°C. Maximum relative humidity is expected in the range of 95-98% and minimum may from 59-88%. Wind direction would be easterly to southeasterly with the wind speed of 2-5 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 83.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	<" 1	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	)	C A	field properly.
STAR FRUIT	(	1 1	<b>By seeds:</b> Seed should be sown in the
SIAK FRUII	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	2	1	in secondary bed or polythene bags at 4-
PEACH	MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Concurrence:	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	16	6. 7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~ /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
	-	V	♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
	5		the best time for transplant or gap
	4		filling.
			♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		500	distance depends on the variety. The
	- 7		bigger the fruit, the farther the distance.
	1	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Citrus greening, Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	100	maintain the drainage channel around the
	<u> </u>	1 / NL /	2   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			field properly.
			Coffee should be grown as a single stem
			system. Pruning is required to:
	1 1	5	♣ Supply good healthy wood for the next
	1	7	season's crop;
		KOLASIB	♣ maintain the correct balance between leaf  1
	(	l. (	area and crop;
	)	GPsy )	Prevent overbearing and dieback;
	8		Reduce biennial bearing;
	1	STATE	♣ Maintain good tree shape.
	1	5	De suckering-
	2		♣ De-sucker to maintain a single stem system
	J' MAMIT	1	and avoid competition from suckers
	5	Z AIZAWL I	Remove 'fly crop' fruit (early fruit which
	1	You was a second	compete with strong plant/root
	)	1	development) as they appear.  Weeding
	1	1 6 6	<b>★</b> Weeding or basin clearing must be
		1 3 3	done for better growth and
	1		development.
Rubber	Transplanting		According to forecast probability of huge
	and gap	SERCHH	rainfall and temperature will be low, so
	filling	K Lan	maintain the drainage channel around the
			field properly.
	1	0.7	■ Start planting newly established place.
			♣ Weeding must be done.
		LUNGLEI	♣ Apply 10-12 kg of well rotten organic
	3		manure and 225 gm rock phosphate
		500	should be apply at time of planting to each pit as basal dose application.
	.7	11	<ul> <li>Basin clearing of all established plant.</li> </ul>
		2	Rain cap can use for tapping plant
		1700	♣ Start intercropping in newly
		1 60 4	established orchard.
Oil plam	Vegetative/	1	According to forecast probability of huge
	Harvesting	LAWNGTLAL	rain and temperature will be low, so
			maintain the drainage channel around the
1	stage	A SAILA	
	stage	SAIHA	field properly.
	stage	SAIHA	

3 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Passion Fruit	Vegetative	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Maize ( <i>Jhum</i> )	Physiological maturity stage	N F	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
		Jan J	<ul> <li>Harvest all the mature cobs.</li> <li>To reduce grain moisture proper drying is required.</li> <li>Keep the cobs in dry place if sunlight will not be available</li> </ul>
Maize	Germination stage	SAIHA	According to formand much shiliter of
		1 / N	4   P a g e

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5 | Page

			4	Gap filling is required due to poor
			_	germination percentage due to high
				rainfall.
			4	Weeding and fertilizer application
	7 7	1		must be done.
		7	4	Probability of stem borer infestation
	V	KOLASIB	0	will be high. Spray any systemic
	4	6		insecticide.
Kharif Rice	Transplanting	W 2 1	4	According to forecast and past weather
	stage			record, probability of rain will be high
	7	5		and temperature will be less. So soil
	1			moisture should be maintained in the
	8			field. Proper drainage should be
	MAMIT	1		maintained. Make channel to drain out
	§	Z AIZAWL I	Ž.	excess water.
	1		+	Water level shall be maintained for
	1	1		better transplant.
	1	3 6 6		Plough the field two to three times.
	/		-	According to forecast probability of rain will be moderate to high and
	1	~~ / / / / / / / / / / / / / / / / / /		temperature will be less so run off and
	11			proper drainage should be maintained
		SERCHH	H	in the field.
		V Lag	4	Transplant 2-3 seedlings in one place
	5			for avoid gap filling.
	- 4		4	Spacing should be 20 cm row to row
	1			and 15 cm plant to plant.
		LUNGLEI	4	Keep some seedlings in nursery or
	3			corner of the field for gap filling.
Jhum Rice	Vegetative	55	+	According to forecast probability of less
	stage	W ( >>	3	rain and temperature will be high, so
				maintain soil moisture in the field
		1 9 7		properly.
			*	Earthing up soil for better growth and
		1	4	stability in root zone. Use split dose of any nitrogenous
		The same of the sa	-	fertilizer for better growth.
Kharif pulses	Germination	LAWNGTLAN	4	According to forecast probability of
(Green gram,	stage	# SAIHA	_	huge rain and temperature will be low,
Black gram and	stage			so maintain the drainage channel
Rajma)		4		around the field properly.
	1	6	00	1 1 7

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6 | Page

	I		
			♣ Gap filling is required due to poor
			germination percentage due to high
			rainfall.
	1	1	♣ Weeding must be done to reduce crop
		2	weed computation.
VEGETABLE CR	OP		
Ginger and	Sowing stage	KOLASIB	Rhizome should be treated with Thiram
turmeric		En S	@4 g/kg seed.
	1	7	Use optimum seed rate (50-60 kg/ha)
	)		for desire plant population.
	)	Similar	♣ Apply well decomposed FYM/ pig
		5	manure @ 10-20 t/ha along with
	2		$120:80:60$ kg N, $P_2O_5$ and $K_2O/ha$
	/ MAMIT	(	incorporate with soil before sowing.
	Ç		Half nitrogen dose will use at the time
	15	( AIZAWL )	of sowing and remaining 25% after one
		The state of the s	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	S	♣ According to forecast probability of
us crop	gg.	1	less rain and temperature will be high,
us crop	1 0		so maintain soil moisture in the field
	100		properly.
		arnew.	Provide split doses of urea (70g/pt) at
		SERCHN	the time of full blooming.
	V		4 Apply irrigation every alternate day or
			use straw mulch for conserve soil
	- 1		moisture.
	1		In large gardens apply carbaryl 0.2 per
		LUNGLEI	cent or malathion 0.15 per cent
		HANDEN HAI	suspension containing sugar or
	14/4	200 C	jeggery at 10 g/l at fortnightly
	1	n the	intervals at flowering and fruit
		[3]	initiation against fruit fly and
	1	C Voi sir V	pumpkin beetle.
Chilli	Vegetative to		♣ According to forecast probability of
	flowering	) For A	less rain and temperature will be high,
	stage	1	so maintain soil moisture in the field
	stage	Language and	properly.
		LAWNGTLAN	Earthing up soil for better growth and
		# SAIHA	stability in root zone.
			♣ Apply irrigation every alternate day or
			use straw mulch for conserve soil
	l .	0 0	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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		17	moisture.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
		1	If possible use straw mulch/ grass
	1. 1.	- F 3	mulch in row to prevent moisture loss
	1 1	7	and better growth of plant.
		B	♣ In large gardens apply carbaryl 0.2 per cent
	1	Fruit fly	or malathion 0.15 per cent suspension
	)	LA I	containing sugar or jeggery at 10 g/1 at
	(	3 0 1	fortnightly intervals at flowering and fruit
	7		initiation.
Cowpea	Vegetative		According to forecast probability of less
oopou	stage	27	rain and temperature will be high, so
	17 T 15 T		maintain soil moisture in the field
	J' MAINIT	1	properly.
	1	Z AIZAWL Z	Earthing up soil for better growth and
			stability in root zone.
	1	) }	♣ Don't use split dose of any nitrogenous
	1	3 6 /	fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
OMIG	stage		rain and temperature will be high, so
	Stage		maintain soil moisture in the field
		SERCHN	
	1	V~	Earthing up soil for better growth and
	(		stability in root zone.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage	WHATEHA	♣ Planting is done well prepared land or
		LUNGLEI	pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
		5	5-7 deep at a spacing of 40-50 cm
		17	between and within rows in the pits.
	7		4 Inorganic fertilizer like Urea, SSP and
		1 7 6	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		Amprove-man	kept in alleviated area and dry bedding
		LAWNGTLAN	(straw) to be provided to young
		/ SAIHA	
			♣ 1 <sup>st</sup> injection at 6 months of age and
		4	2nd injection at 12 months of age
		m 10 (	followed by annual vaccination under
		1 1 1	7   Page

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8 | P a g e

	5	Porcine	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
	}	Reproductive Respiratory Syndrome (PRRS).	
Cattle	All age group	AIZAWAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be</li> </ul>
Poultry	All age group	LAWNGTLAUSAIHA	teamed short.  Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed.  Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
		6	

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days: Intermed vaccine, 35 days weeks: Chicken fowl pox vaccine RD R-2B strain.  Remove wet litter.	VT Marek disease ¬ F/Lasota, 14-18
FISHERY	
Monitoring of fish in pond  Let Care should be taken with feed that are fire the fungal growth is feed, the feed needs of few days prior to feed the feed should be a dry place to av toid fungal growth aflatoxin which could of fish.  Fish harvesting may complete dewatering dewatering, the pond for the next cycle bottom, applying fertilizers etc.  Fish needs to be mon observe any sign of disease is observed immediately and water be analyzed.  Immediate measure lime and potassitu @50kg/ha and 1.5mg the pond helps in mortality.	ee from fungus. If a observed in fish to be sundried for ing. stored in cool and that releases it lead to mortality be carried out by g of pond. After may be prepared by sundrying of lime, manure, mitored regularly to f diseases and if it, consult expert er sample needs to of application of m permanganate
2 2 1	
	9   P a g e

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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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: Lawngtlai Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/Mizo

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
	25.07.2016	20.07.2018	21.01.2010	20.07.2010	29.01.2016
Rainfall (mm)	14	31	15	9	14
Max Temp (°C)	30	30	29	29	30
Min Temp (°C)	14	14	14	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	96	98	95	97	96
Min RH (%)	59	88	75	67	72
Wind Speed (KmpH)	4	5	4	4	2
*Wind Direction	E	S-E	S-E	S-E	S-E

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

Status of Pre Monsoon- June 1-30, 2018 (Percent of deviation from normal in parenthesis) Kolasib- 352.38mm

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm (341.8mm)(250.30mm)

(87.2mm)

(380.9mm)

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

Serchhip-411.72mm (25.9mm)

Weather summary of the past three days

25<sup>th</sup> July - 29<sup>th</sup> July, 2018 chhunga sik leh sa dinhmun tur tlangpui

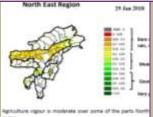
Maximum Tem. (°C):28-32°C Minimum Tem. (°C):22-25°C Maximum RH (%):96-99% Minimum RH (%):78-91% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.61 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin of 95-98% leh a hniam lai berin 59-88% ni tur a rin niin. Thli hi darkar khatah 2-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 36.2 mm

Weekly cumulative rainfall: 83.0mm

**NDVI** for Mizoram



Moderately wet mildly dry/mildly wet conditions

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1 | Page



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

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	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	(MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	)	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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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a 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
	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		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	n (~	Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leaven and	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		111	3   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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Sawhaan maa	All atoms	Zono tillo co	K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.  ♣ 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	<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			## 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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

4 | Page

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

5 | 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)



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

6 | Page

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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)



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	J. CARROLL	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
	MADMIT	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	( AIZAWIL )	CH	IMPAI }
(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.
				27

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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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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)



Kolasib- 352.38mm

(380.9mm)

District: Lunglei Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/English

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	12	26	15	13	19
Max Temp (°C)	31	30	29	29	30
Min Temp (°C)	18	17	17	16	16
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	98	99	100
Min RH (%)	66	75	82	63	78
Wind Speed (KmpH)	3	4	3	2	3
*Wind Direction	E	E	E	E	E

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

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

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

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

Weather summary of the past

three days
Maximum Tem. (°C):22-29°C

Minimum Tem. (°C):15-19°C Maximum RH (%):97-100%

Minimum RH (%):83-93%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.48 km/hr

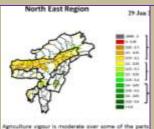
Rainfall: 36.1 mm

Weather forecast valid from 25<sup>th</sup>July, 2018 To 29<sup>th</sup> 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 29-31°C and 16-18°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 63-82%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 85.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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1 | Page



### 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 5	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	J	W )	field properly.
STAR FRUIT	(	2 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	1	1	in secondary bed or polythene bags at 4-
PEACH	MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Constant !	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	1	6.7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~~\ / / / /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
		V L	♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
	5		the best time for transplant or gap
	4		filling.
		NAME OF TAXABLE PARTY.	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		500	distance depends on the variety. The
	-7	17 ( )	bigger the fruit, the farther the distance.
	1	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
	N.	Citrus greening, Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>♣ Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	126	maintain the drainage channel around the
		1111	2   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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			field properly.
			♣ Coffee should be grown as a single stem system. Pruning is required to:
			Supply good healthy wood for the next
	2.1	1	season's crop;
		V I	
		KOLASIB	area and crop;
	4	f. S	Prevent overbearing and dieback;
	1	W )	Reduce biennial bearing;
	>		<ul><li>Reduce blenmar bearing,</li><li>Maintain good tree shape.</li></ul>
	)	5	De suckering-
	Í		♣ De-sucker to maintain a single stem system
	3		and avoid competition from suckers
	/ MAMIT	1	Remove 'fly crop' fruit (early fruit which
	1	Z AIZAVVL	compete with strong plant/root
			development) as they appear.
	1	3	Weeding
	3	1 66	♣ Weeding or basin clearing must be
	1	1 3	done for better growth and
	il.		development.
Rubber	Transplanting	SERCHN	According to forecast probability of huge
	and gap	SERUMA	rainfall and temperature will be low, so
	filling		maintain the drainage channel around the
	3	194	field properly.
	16		start planting newly established place.
	16	AND CHEST	Weeding must be done.
		LUNGLEI	4 Apply 10-12 kg of well rotten organic
	1		manure and 225 gm rock phosphate should be apply at time of planting to
		500	each pit as basal dose application.
		1	Basin clearing of all established plant.
	1	P (	Rain cap can use for tapping plant
	ì	7 (	♣ Start intercropping in newly
	N	1 50 4	established orchard.
Oil plam	Vegetative/	V X	According to forecast probability of huge
	Harvesting	LAWNGTLAN	rain and temperature will be low, so
	stage	SAIHA	maintain the drainage channel around the
	_		field properly.
			+ 10 10 1f11 matter
			♣ 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be

3 | Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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4 | Page

Passion Fruit	Vegetative stage	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND	PULSE CROPS		
Maize (Jhum)	Physiological maturity stage	A VA	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Harvest all the mature cobs.</li> <li>To reduce grain moisture proper drying is required.</li> <li>Keep the cobs in dry place if sunlight will not be available</li> </ul>
Maize	Germination stage	SAIHA	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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# Gap filling is required due to poor germination percentage due to high rainfall.  # Weeding and fertilizer application must be done.  # Probability of stem borer infestation will be high. Spray any systemi insecticide.  # According to forecast and past weather record, probability of rain will be high and temperature will be less. So so moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain our excess water.  # Water level shall be maintained for better transplant.  # Plough the field two to three times.  # According to forecast probability of rain will be moderate to high and will be moderate to high and will be moderate to high and services.
rainfall.  Weeding and fertilizer application must be done.  Probability of stem borer infestation will be high. Spray any systemi insecticide.  Kharif Rice  Transplanting stage  According to forecast and past weather record, probability of rain will be high and temperature will be less. So so moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain ou excess water.  Water level shall be maintained for better transplant.  Plough the field two to three times.  According to forecast probability of rain
# Weeding and fertilizer application must be done.  # Probability of stem borer infestation will be high. Spray any systemi insecticide.  # According to forecast and past weather record, probability of rain will be high and temperature will be less. So so moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain our excess water.  # Water level shall be maintained for better transplant.  # Plough the field two to three times.  # According to forecast probability of rain.
must be done.  Probability of stem borer infestation will be high. Spray any systeming insecticide.  **According to forecast and past weather record, probability of rain will be high and temperature will be less. So so moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain our excess water.  **Water level shall be maintained for better transplant.**  Plough the field two to three times.  **According to forecast probability of rain.**
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Kharif Rice Transplanting stage  According to forecast and past weather record, probability of rain will be high and temperature will be less. So so moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain our excess water.  Water level shall be maintained for better transplant.  Plough the field two to three times.  According to forecast probability of rain
record, probability of rain will be high and temperature will be less. So so moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain ou excess water.  Water level shall be maintained for better transplant.  Plough the field two to three times.  According to forecast probability of rain.
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maintained. Make channel to drain ou excess water.  Water level shall be maintained fo better transplant.  Plough the field two to three times.  According to forecast probability of rain
excess water.  Water level shall be maintained fo better transplant.  Plough the field two to three times.  According to forecast probability of rain
<ul> <li>Water level shall be maintained fo better transplant.</li> <li>♣ Plough the field two to three times.</li> <li>♣ According to forecast probability of rain</li> </ul>
better transplant.  Plough the field two to three times.  According to forecast probability of rain
<ul> <li>♣ Plough the field two to three times.</li> <li>♣ According to forecast probability of rain</li> </ul>
♣ According to forecast probability of rain
will be moderate to high and
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
temperature will be less so run off and
proper drainage should be maintained in the field.
Transplant 2-3 seedlings in one place
for avoid gap filling.
Spacing should be 20 cm row to row
and 15 cm plant to plant.
★ Keep some seedlings in nursery o
corner of the field for gap filling.
Jhum Rice Vegetative ♣ According to forecast probability of les
stage rain and temperature will be high, so
maintain soil moisture in the field
properly.
<b>♣</b> Earthing up soil for better growth and
stability in root zone.
♣ Use split dose of any nitrogenou
fertilizer for better growth.
Kharif pulses Germination
Green gram, stage nuge rain and temperature will be low
Black gram and so maintain the drainage channel
Rajma) around the field properly.

5 | 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)



6 | Page

			+	Gap filling is required due to poor germination percentage due to high rainfall.  Weeding must be done to reduce crop
VECETARI E CR	OR			weed computation.
Cinger and	Sowing stage	KOLASIB		Rhizome should be treated with Thiram
Ginger and turmeric	Sowing stage	LA SAVAL	4	@4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one
Cucurbitaceo us crop	Fruiting stage	SERCHN	+ +	month and 25% at flowering stage.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Provide split doses of urea (70g/pt) at the time of full blooming.  Apply irrigation every alternate day or use straw mulch for conserve soil moisture.
	1	LUNGLEI	+ 7	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	LAWNGTLAL		According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.  Apply irrigation every alternate day or
		201	100	use straw mulch for conserve soil

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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)



			moisture.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
			♣ If possible use straw mulch/ grass
	3 4	1	mulch in row to prevent moisture loss
	1	7	and better growth of plant.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	100	V	or malathion 0.15 per cent suspension
	)	W 3	containing sugar or jeggery at 10 g/l at
		1 1	fortnightly intervals at flowering and fruit
	Y.		initiation.
Cowpea	Vegetative	1	♣ According to forecast probability of less
	stage		rain and temperature will be high, so
	MAMMIT	1	maintain soil moisture in the field
	7. 10.55	1	properly.
	7.0	A AIZAVVI	■ Earthing up soil for better growth and
	L.	2 1	stability in root zone.
	1	3	♣ Don't use split dose of any nitrogenous
	1	3 6 6	fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage		rain and temperature will be high, so
			maintain soil moisture in the field
		SERCHN	properly.
	1	V	Larthing up soil for better growth and
			stability in root zone.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage	A COMPANY TO SERVICE AND ADDRESS OF THE PARK AND ADDRE	♣ Planting is done well prepared land or
		LUNGLEI	pits filled up with FYM (12-15) t/ha
			♣ Sprouted corms or cormels are planted
	L.	- F~	5-7 deep at a spacing of 40-50 cm
	100	17	between and within rows in the pits.
	1		♣ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages	1	4 Animals must keep in dry place or
		A commence of the	kept in alleviated area and dry bedding
		LAWNGTLAN	(straw) to be provided to young
		# SAIHA	animals.
			♣ 1st injection at 6 months of age and
			2nd injection at 12 months of age
		00	followed by annual vaccination under
		1 4 6	7   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | P a g e

7	Porcine	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
2	Respiratory	
All age group	AIZAWL SERCHH	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the</li> </ul>
1	n 8~	udder/stomach/back legs should be teamed short.
All age group	LAWNGTLAN	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
	MAMIT	All age group  Respiratory Syndrome (PRRS).  SERCHN  LUNGLE

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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)



57	<ul> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>➤ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD</li> </ul>
	vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY	Remove wet litter.
Monitoring of	<b>♣</b> Care should be taken that fish are fed
fish in pond	with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to av  oid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.  Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
	221
	9   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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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:** Lunglei Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/Mizo

	0.00	E.	1		
Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	12	26	15	13	19
Max Temp (°C)	31	30	29	29	30
Min Temp (°C)	18	17	17	16	16
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	98	99	100
Min RH (%)	66	75	82	63	78
Wind Speed (KmpH)	3	4	3	2	3
*Wind Direction	E	E	E	E	E

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

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

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

Saiha- 109.52 mm (87.2mm)

Kolasib- 352.38mm (380.9mm)

Lawngtlai-321.51mm

Lunglei-344.00mm

(186.21 mm)

Mamit-449.48mm (442.80mm)

Serchhip-411.72mm (25.9mm)

Weather summary of the past three days

(285.5mm)

25<sup>th</sup> July - 29<sup>th</sup> July, 2018 chhunga sik leh sa

Maximum Tem. (°C):22-29°C Minimum Tem. (°C):15-19°C Maximum RH (%):97-100% Minimum RH (%):83-93% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.48 km/hr

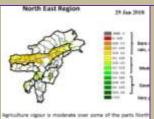
Rainfall: 36.1 mm

dinhmun tur tlangpui Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-31°C a ni ang a. A

vawh lai ber in 16-180C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 63-82% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

### Weekly cumulative rainfall: 85.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 24th July, 2018

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1 | Page



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

5 | Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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7 | P a g e

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

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



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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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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: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/English

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	20	14	10	13	9
Max Temp (°C)	31	30	29	29	30
Min Temp (°C)	18	17	17	16	16
Cloud Coverage	Partially clear				
Max RH (%)	99	99	96	97	93
Min RH (%)	52	60	66	59	64
Wind Speed (KmpH)	2	4	3	3	6
*Wind Direction	N-E	S-E	S-E	S-E	S

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

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

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

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

# Weather summary of the past three days

Maximum Tem. (°C):28-34°C Minimum Tem. (°C):21-24°C

Maximum RH (%):99-100%

Minimum RH (%):71-92%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.24 km/hr

mana specar ora : ama,

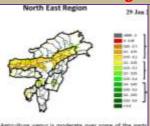
Rainfall: 64.1 mm

# Weather forecast valid from 25<sup>th</sup>July, 2018 To 29<sup>th</sup> 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 29-31°C and 16-18°C. Maximum relative humidity is expected in the range of 93-99% and minimum may from 52-66%. Wind direction would be northeasterly to southeasterly and southerly with the wind speed of 2-6 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 66.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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1 | Page



### 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	7 )	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage	(	maintain the drainage channel around the
LIME	)	W/V )	field properly.
STAR FRUIT	5		<b>By seeds:</b> Seed should be sown in the nursery immediately after extraction in
JIAK PROII	5	STATE	to a depth 1.5 to 2 cm extraction at
	1	5	10x5 cm distance. Seedlings are planted
PLUM AND	2		in secondary bed or polythene bags at 4-
PEACH	) MAMIT		6 leaf stages. Water must b provide
	§	Z AIZAVVL	every alternate days.
	1	3	♣ Potting mixture of soil, sand and FYM or
	)	1	compost should be in proper ratio.
	1	1 64	♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
			Only certified seed should be used.
	1)	neman)	♣ Stagnation of water in beds should be avoided.
		SERCH	♣ In the citrus belt, trees can be planted
	V		at any time; however, pre-monsoon is
		-	the best time for transplant or gap
			filling.
	(	NAME OF THE OWNER O	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
			be set 6 to 10 feet apart. The exact
		w 85	distance depends on the variety. The bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>↓ Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	0 0	maintain the drainage channel around the
		1 4 6	2   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			field properly.
			<b>♣</b> Coffee should be grown as a single stem
			system. Pruning is required to:
	( )	6	<b>♣</b> Supply good healthy wood for the next
	) \		season's crop;
	1	V comment	<b>4</b> maintain the correct balance between leaf
	J.	KOLASIB	area and crop;
	1	La N	Prevent overbearing and dieback;
	/	77 2	♣ Reduce biennial bearing;
	2		<ul><li>Maintain good tree shape.</li></ul>
	)	7	De suckering-
	1		De-sucker to maintain a single stem system
	W. marrie		and avoid competition from suckers
	/ MAMIT	1	
	1	AIZAWL I	Remove 'fly crop' fruit (early fruit which
	1	The state of	compete with strong plant/root
	1	)	development) as they appear.
	160	6. 6. 6.	Weeding
	- 1		Weeding or basin clearing must be done for better growth and
	1 (		O
Dubbon	Transplanting		development.
Rubber	Transplanting	SERCHH	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so
Rubber		SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly
	and gap filling	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Rubber Oil plam	and gap filling  Vegetative/	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge
	and gap filling  Vegetative/ Harvesting		According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so
	and gap filling  Vegetative/	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the
	and gap filling  Vegetative/ Harvesting		According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  10-12 kg of well rotten organic manure
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

3 | P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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Passion Fruit	Vegetative	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND			A condition to format much delities of
Maize (Jhum)	Physiological maturity stage	A LAWNSTIAN	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Harvest all the mature cobs.</li> <li>To reduce grain moisture proper drying is required.</li> <li>Keep the cobs in dry place if sunlight will not be available</li> </ul>
Maize	Germination stage	SAIHA	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
		1/1/	4   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)



5 | Page

			4	Gap filling is required due to poor
			_	germination percentage due to high
				rainfall.
			4	Weeding and fertilizer application
	7 7	1	·	must be done.
		7	4	Probability of stem borer infestation
		KOLASIB		will be high. Spray any systemic
	4	6		insecticide.
Kharif Rice	Transplanting	W 2 2	4	According to forecast and past weather
	stage			record, probability of rain will be high
	7	5		and temperature will be less. So soil
	1			moisture should be maintained in the
	18 January			field. Proper drainage should be
	MAMIT	1		maintained. Make channel to drain out
	§	Z AIZAWL I	œ.	excess water.
	1		-	Water level shall be maintained for
	) i	1		better transplant.
	1	3 6 6		Plough the field two to three times.
	- 1		-	According to forecast probability of rain will be moderate to high and
		~~ / / / / / / / / / / / / / / / / / /		temperature will be less so run off and
	+ /			proper drainage should be maintained
		SERCHH	I F	in the field.
	l l	V Lag	4	Transplant 2-3 seedlings in one place
	-			for avoid gap filling.
	- 1		4	Spacing should be 20 cm row to row
	- (			and 15 cm plant to plant.
		LUNGLEI	+	Keep some seedlings in nursery or
				corner of the field for gap filling.
Jhum Rice	Vegetative	55	+	According to forecast probability of less
	stage	W ( >>		rain and temperature will be high, so
	)			maintain soil moisture in the field
		1 9 7		properly.
	,		*	Earthing up soil for better growth and stability in root zone.
		1	4	Use split dose of any nitrogenous
		The second second	_	fertilizer for better growth.
Kharif pulses	Germination	LAWNGTLAN	4	According to forecast probability of
(Green gram,	stage	# SAIHA	_	huge rain and temperature will be low,
Black gram and	stage		1	so maintain the drainage channel
Rajma)		A STATE OF THE STA	-/	around the field properly.
		6		1 1 7

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			+	Gap filling is required due to poor germination percentage due to high rainfall.  Weeding must be done to reduce crop
	3) (	1		weed computation.
VEGETABLE CR		A KOLASIBI A	25,4	Rhizome should be treated with Thiram
Ginger and turmeric	Sowing stage	LA ZAWA	4	@4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one
Cucurbitaceo us crop	Fruiting stage	LUNGLEI	+ + + 1	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Provide split doses of urea (70g/pt) at the time of full blooming.  Apply irrigation every alternate day or use straw mulch for conserve soil moisture.  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and
Chilli	Vegetative to flowering stage	LAWNGTLAL	+	pumpkin beetle.  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
			4	stability in root zone.  Apply irrigation every alternate day or use straw mulch for conserve soil

6 | Page

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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)



			moisture.
			Don't use split dose of any nitrogenous
		6	fertilizer for better growth.
	( )	6	♣ If possible use straw mulch/ grass
	) \	3	mulch in row to prevent moisture loss
	· had	V parameter (	and better growth of plant.
	1	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	)	LA N	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	(	3 4 /	fortnightly intervals at flowering and fruit
	7		initiation.
Cowpea	Vegetative	3	♣ According to forecast probability of less
1	stage	77	rain and temperature will be high, so
	MAMIE		maintain soil moisture in the field
	2 10000000		properly.
	3	A AIZAVVI	Earthing up soil for better growth and
	1	7	stability in root zone.
	1	(	♣ Don't use split dose of any nitrogenous
		1 (4)	fertilizer for better growth.
Okra	Vegetative		According to forecast probability of less
	stage		rain and temperature will be high, so maintain soil moisture in the field
		SERCHH	
		~	Larthing up soil for better growth and
	γ.		stability in root zone.
			♣ Don't use split dose of any nitrogenous
	136		fertilizer for better growth.
Colocasia	Sowing stage	A Charles Table	♣ Planting is done well prepared land or
		LUNGLEI	pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
		m Em	5-7 deep at a spacing of 40-50 cm
		11	between and within rows in the pits.
	()	The second	Inorganic fertilizer like Urea, SSP and
ANIMAL HUSBE	NDADV		MOP @ 220: 375: 134 kg.
Pig	All stages		♣ Animals must keep in dry place or
rig	An stages		kept in alleviated area and dry bedding
		LAWNGTLAL	(straw) to be provided to young
		# SAIHA	animals.
		1	♣ 1 <sup>st</sup> injection at 6 months of age and
		A. A.	2nd injection at 12 months of age
		0 0	followed by annual vaccination under
		114	7   Page

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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)



8 | P a g e

1		
5	Porcine	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
2	Respiratory	
All age group	AIZAWL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>Ist injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be</li> </ul>
All age group		teamed short.  Provide preventive dose of anti-coccidial drugs to poultry.
	LAWNGTLAN	<ul> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
	MAMIT	Reproductive Respiratory Syndrome (PRRS).  All age group  All age group

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to av  oid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.  Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.	FISHERY	<ul> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>Remove wet litter.</li> </ul>
	Monitoring of	with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to av  id fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.  Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

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



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SAIHA

LAWNGTLAL

CHAMPAI

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: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/Mizo

	2. J.	P	3.0		
Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	20	14	10	13	9
Max Temp (°C)	31	30	29	29	30
Min Temp (°C)	18	17	17	16	16
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	99	99	96	97	93
Min RH (%)	52	60	66	59	64
Wind Speed (KmpH)	2	4	3	3	6
*Wind Direction	N-E	S-E	S-E	S-E	S

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

Status of Pre Monsoon- June 1-30, 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 25<sup>th</sup> July – 29<sup>th</sup> July, 2018 chhunga sik leh sa three days dinhmun tur tlangpui

Maximum Tem. (°C):28-34°C
Minimum Tem. (°C):21-24°C
Maximum RH (%):99-100%
Minimum RH (%):71-92%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.24 km/hr

Rainfall: 64.1 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-31°C a ni ang a. A vawh lai ber in 16-18°C ni tura beisei a ni. RH san lai berin 93-99% leh a hniam lai berin 52-66% ni tur a rin niin. Thli hi darkar khatah 2-6 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 66.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 24th July, 2018

1 | P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

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

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### ICAR RESEARCH COMPLEX FOR NEH REGION

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



			Homzosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	1. 1	6 3	♣ A rah hmin tha lo ho chu nuai sawm
	) \		hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	4	V.	➡ Hmaih neih nuaih loh tur ani.
	)	GD y	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	(		♣ Seng bang zawng zawng chu uluka taka
		2	paih fai vek tur ani.
		27	♣ A thlai vennan a rah tlai ho chu paih vek
	S average		tur ani.
	MAMIT	1	Hmun dam lutukah dah loh tur.
	5	LAIZAWL I	👃 Boruak tha taka a hmuh theih nan leh a
	1	Commence 1	rawn chawr no theih nan thlai chu uluk
	1	1	tak a hlawi tur ani.
	1	5	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 5	EC @ 340 ml/200 lit emaw lamda
	1	V V	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1		♣ In leh loa sawngbawln a a ro dan tur
	11		tawkah chuan: Arabica / robusta
	1	SERCHN	
	1	V~	robusta cherry 11.0 %.
	(	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		100	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALS AND DU	CE CDODG	TO SECTION STATE OF THE SECTIO	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PUL		200	1 17.1
Rabi Maize	A chin hun 🤍	7	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		1 6	♣ A chi chu kan lei leh saah chuan kan
			dah ang.
		land and the second	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		/ SAIHA	
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		m 2 1	$t/ha$ leh 80:60:40 kg N, $P_2O_5$ leh
			3   Page

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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)



4 | Page

Sambas v. v.	5		<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	TIMMAN (		Margarahana lavina ala ahin na tan
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		<b>↓</b> Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		7 5	tur ani .
Early Cole	Black spot	J 22 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zavilali dali tal alli.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur	
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.	
	Preventive measures	0-3 rd week	±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies	
	} taeoarr	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat	
FISHERY	7 11111111	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>	
(S	onitoring angha nkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.	
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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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LAWNGTLAL

CHAMPAI

8 | Page

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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: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/English

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	36	28	16	19	12
Max Temp (°C)	29	30	28	28	30
Min Temp (°C)	14	16	14	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	99	98	98	99
Min RH (%)	79	61	64	68	76
Wind Speed (KmpH)	4	4	4	4	3
*Wind Direction	E	E	E	E	S-E

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

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

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

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

# Weather summary of the past three days

Maximum Tem. (°C):25-30°C Minimum Tem. (°C):16-19°C

Maximum RH (%):99-100%

Minimum RH (%):78-86%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.05 km/hr

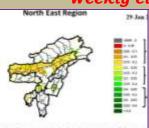
Rainfall: 45.3 mm

# Weather forecast valid from 25<sup>th</sup>July, 2018 To 29<sup>th</sup> 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 28-30°C and 14-16°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 64-79%. Wind direction would be easterly to southeasterly with the wind speed of 3-4 km per hour. Partially clear sky will prevail during the next five days.

### Weekly cumulative rainfall: 111.0 mm

**NDVI for Mizoram** 



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 5	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	)	W )	field properly.
STAR FRUIT	(	2 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	2	1	in secondary bed or polythene bags at 4-
PEACH	/ MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Constitute:	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	16	6.7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~~\ / / / / / / / / / / / / / / / / / /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
		V L	♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
	5		the best time for transplant or gap
	4		filling.
	(	NAME OF TAXABLE PARTY.	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		500	distance depends on the variety. The
	-7	17 ( )	bigger the fruit, the farther the distance.
	1	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Citrus greening, Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>♣ Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	126	maintain the drainage channel around the
		1111	2   P a g e

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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			field properly.  Coffee should be grown as a single stem
			system. Pruning is required to:
		/	♣ Supply good healthy wood for the next
		21	season's crop;
	1	KOLASIB	♣ maintain the correct balance between leaf
	1	NULHOR	area and crop;
	)	W 1	Prevent overbearing and dieback;
	(	3 4 /	Reduce biennial bearing;
	7		♣ Maintain good tree shape.
	1	3	De suckering-
	, J		♣ De-sucker to maintain a single stem system
	MAINIT		and avoid competition from suckers
	Z. 102550000	1	Remove 'fly crop' fruit (early fruit which
	1	( AIZAWIL )	compete with strong plant/root
	1	5	development) as they appear.
	1		Weeding
	1		♣ Weeding or basin clearing must be
	1 6		done for better growth and
Rubber	Tuesessiess		development.  According to forecast probability of huge
Rubber	Transplanting	SERCHN	rainfall and temperature will be low, so
	and gap filling	V tay	maintain the drainage channel around the
	minig		field properly.
	- 1		Start planting newly established place.
	- (		■ Weeding must be done.
		LUNGLEI	♣ Apply 10-12 kg of well rotten organic
	3		manure and 225 gm rock phosphate
	2.1	272	should be apply at time of planting to
	. 7	11	each pit as basal dose application.  Basin clearing of all established plant.
			<ul> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> </ul>
		1 7 6	
	l l	1 6 4	established orchard.
Oil plam	Vegetative/	1	According to forecast probability of huge
_	Harvesting	LAWNGTLAN	rain and temperature will be low, so
		THE REAL PROPERTY OF THE PARTY	maintain the drainage channel around the
	stage	A SAILIA	
	stage	SAIHA	field properly.
	stage	SAIHA	

3 | Page

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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)



4 | Page

Passion Fruit	Vegetative	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND			
Maize ( <i>Jhum</i> )	Physiological maturity stage		<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Harvest all the mature cobs.</li> <li>To reduce grain moisture proper drying is required.</li> <li>Keep the cobs in dry place if sunlight will not be available</li> </ul>
Maize	Germination stage	SAIHA	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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5 | Page

			4	Gap filling is required due to poor
			_	germination percentage due to high
				rainfall.
			4	Weeding and fertilizer application
	3.1	1		must be done.
	1	7	4	Probability of stem borer infestation
		KOLASIB	0	will be high. Spray any systemic
	4	6		insecticide.
Kharif Rice	Transplanting	W 2 2	4	According to forecast and past weather
	stage			record, probability of rain will be high
	7	5		and temperature will be less. So soil
	1			moisture should be maintained in the
	8			field. Proper drainage should be
	MAMIT	1		maintained. Make channel to drain out
	1	Z AIZAWL I	Ġ.	excess water.
	1		*	Water level shall be maintained for
	1	1		better transplant.
	1	3 6 6		Plough the field two to three times.
	1.0		-	According to forecast probability of rain will be moderate to high and
	1. (	~~ / / / / / / / / / / / / / / / / / /		temperature will be less so run off and
	1)			proper drainage should be maintained
		SERCHH	I	in the field.
	(	V Lag	4	Transplant 2-3 seedlings in one place
	5			for avoid gap filling.
	- 1		_+	Spacing should be 20 cm row to row
	1			and 15 cm plant to plant.
		LUNGLEI	4	Keep some seedlings in nursery or
	3			corner of the field for gap filling.
Jhum Rice	Vegetative	55	+	According to forecast probability of less
	stage	W ( >>	3	rain and temperature will be high, so
				maintain soil moisture in the field
		1 9 7	, alle	properly.
			*	Earthing up soil for better growth and stability in root zone.
			4	Use split dose of any nitrogenous
		The second second	_	fertilizer for better growth.
Kharif pulses	Germination	LAWNGTLAY	4	According to forecast probability of
(Green gram,	stage	# SAIHA		huge rain and temperature will be low,
Black gram and	Jugo		j	so maintain the drainage channel
Rajma)		V s V	/	around the field properly.
		6	0	- • ·

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## ICAR RESEARCH COMPLEX FOR NEH REGION

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			+ +	Gap filling is required due to poor germination percentage due to high rainfall.  Weeding must be done to reduce crop
TIPODEMADI D. OD.		1		weed computation.
VEGETABLE CR		1 KOLASIBI L	25,4	Rhizome should be treated with Thiram
Ginger and turmeric	Sowing stage	LA ZAWA	4	@4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one
Cucurbitaceo us crop	Fruiting stage	LUNGLEI	* * * * *	month and 25% at flowering stage.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Provide split doses of urea (70g/pt) at the time of full blooming.  Apply irrigation every alternate day or use straw mulch for conserve soil moisture.  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and
Chilli	Vegetative to flowering stage	LAWNGTLAN	1	pumpkin beetle.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.
		SAIHA		Earthing up soil for better growth and stability in root zone.  Apply irrigation every alternate day or use straw mulch for conserve soil

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			moisture.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
			♣ If possible use straw mulch/ grass
	3 4	1	mulch in row to prevent moisture loss
	1	7	and better growth of plant.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	100	V	or malathion 0.15 per cent suspension
	)	W 3	containing sugar or jeggery at 10 g/l at
		1 1	fortnightly intervals at flowering and fruit
	No.		initiation.
Cowpea	Vegetative	1	♣ According to forecast probability of less
	stage		rain and temperature will be high, so
	MAMMIT	1	maintain soil moisture in the field
	7. 17.55	1	properly.
	7.0	A AIZAVVI	■ Earthing up soil for better growth and
	l.	2 1	stability in root zone.
	1	3	♣ Don't use split dose of any nitrogenous
	1	3 6 6	fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage		rain and temperature will be high, so
			maintain soil moisture in the field
		SERCHN	properly.
	1	V	Larthing up soil for better growth and
			stability in root zone.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage	A COMPANY TO SERVICE AND ADDRESS OF THE PARK AND ADDRE	♣ Planting is done well prepared land or
		LUNGLEI	pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
	L.	- E~	5-7 deep at a spacing of 40-50 cm
	**	11	between and within rows in the pits.
	1		♣ Inorganic fertilizer like Urea, SSP and
		7 7 6	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	1		
Pig	All stages	4	4 Animals must keep in dry place or
		Language and	kept in alleviated area and dry bedding
		LAWNGTLAN	(straw) to be provided to young
		# SAIHA	animals.
			♣ 1st injection at 6 months of age and
			2nd injection at 12 months of age
		m M	followed by annual vaccination under
		1 4	7   P a g e

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	7	Porcine Reproductive Respiratory Syndrome (PRRS).	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
Cattle	All age group	AIZAWL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>

8 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.	<ul> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>➤ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>♣ Remove wet litter.</li> </ul>
with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to av  oid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.  Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.	Lare should be taken that fish are fed
9 I Page	with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to av  id oid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.  Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
	9   P a g e

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10 | P a g e

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



District: Saiha Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/Mizo

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	36	28	16	19	12
Max Temp (°C)	29	30	28	28	30
Min Temp (°C)	14	16	14	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	99	98	98	99
Min RH (%)	79	61	64	68	76
Wind Speed (KmpH)	4	4	4	4	3
*Wind Direction	E	E	E	E	S-E

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

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

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

mm Saiha- 109.52 mm (87.2mm)

Kolasib- 352.38mm (380.9mm)

Lawngtlai-321.51mm

(250.30mm) Lunglei-344.00mm (186.21mm)

Mamit-449.48mm

(442.80mm)

Serchhip-411.72mm (25.9mm)

Weather summary of the past three days

25<sup>th</sup> July – 29<sup>th</sup> July, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-30°C
Minimum Tem. (°C):16-19°C
Maximum RH (%):99-100%
Minimum RH (%):78-86%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.05 km/hr

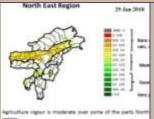
(285.5mm)

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 14-16°C ni tura beisei a ni. RH san lai berin of 98-99% leh a hniam lai berin 64-79% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 45.3 mm

#### Weekly cumulative rainfall: 111.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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1 | Page



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	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 /	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	
		~	robusta cherry 11.0 %.
	\ \	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DILL CE CDODC	THE PARTY NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PARTY NAMED IN	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun		Voimin chinne tun eten lei Iran let
Rabi Maize	A chin hun	0 (~	♣ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
		2 1 3 3	a pui dawn a ni.
	1	) 55 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		6 C	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		1 1 1	3   P a g e

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4 | Page

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

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

5 | Page

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## ICAR RESEARCH COMPLEX FOR NEH REGION

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

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	/_		1-6 ah F1 vaccine pek tur ani a, chuan
	1110454105	GPSy )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	)			ani.
	1	STATES	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL I	CH	AMPAI (
_	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	Clinawij			a phoro phawt tur ani.
	No. C		4	Sangha chaw hi a hmuar lohna turin
	1)	- Company		hmun ro leh uap lutuk lo ah dahthat
		SERCH	gP.	tur ani a, hmuar atang a tur lo inseam
	l l	V Lang		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	- 4		+	Dil sah kang veka sangha man thin
	- (			hian a kumleh a sangha khawinan a dil
		LUNGLEI	50	buatsaih a ti awlsam a, dil mawng
	3	THE PROPERTY OF THE PARTY OF TH	1	phoro, chinai phul, leitha hman leh tul
	201	500		dang in dil buatsaih tur ani.
		17	1	Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		19 8		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		3		tuisen @1.5mg/l diltui a hman hian
		Variable and the second		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	A.	
				7
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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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**Parameters** 

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Cloud Coverage

\*Wind Direction

Wind Speed (KmpH)

### GRAMIN KRISHI MAUSAM SEWA

### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



69

2

S-E

District: Serchhip Period: 25 July - 29 July, 2018

26.07.2018

12

30

16

Mainly cloudy

99

66

4

 $\mathbf{E}$ 

Bulletin No: - 810/2018/ Bulletin/English

25.07.2018

12

30

16

Mainly cloudy

100

56

4

 $\mathbf{E}$ 

27.07.2018	28.07.2018	29.07.2018
15	8	16
29	29	30
15	15	15
Mainly cloudy	Partially clear	Mainly cloudy
99	100	100

61

2

S-E

Date of issue: 24th July, 2018

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

Status of Pre Monsoon- June 1-30, 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):27-31°C Minimum Tem. (°C):16-21°C

Maximum RH (%):98-99%

Minimum RH (%):76-85% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 4.12 km/hr

Rainfall: 64.1 mm

# Weather forecast valid from 25<sup>th</sup>July, 2018 To 29<sup>th</sup> July, 2018.

63

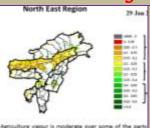
2

 $\mathbf{E}$ 

There are chances of moderate to light and heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 15-16°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 56-69%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

### Weekly cumulative rainfall: 63.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Animal Fisheries FRUITS CROPS  KHASI MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  Commosis, Citrus Canker, Clitrus greening, Dieback, Lamon butterfly and Leaf minor  PLUMCE  COFFEE  Berry development stage  Nursery and gap filling stage  According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. Water must b provide every alternate days.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Lamon butterfly- Spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- Spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)  Lamon butterfly- spray monocrotophos (20.04% @1.2 mi/lit of water.)	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			field properly.
			<b>♣</b> Coffee should be grown as a single stem
			system. Pruning is required to:
		6	<b>♣</b> Supply good healthy wood for the next
	) \	- T	season's crop;
		KOLASIB	<b>♣</b> maintain the correct balance between leaf
	1	Thomas -	area and crop;
	)	LA N	Prevent overbearing and dieback;
	(	1 1	♣ Reduce biennial bearing;
	1		♣ Maintain good tree shape.
	ſ	5	De suckering-
			♣ De-sucker to maintain a single stem system
	MAMIT		and avoid competition from suckers
	( 10.000000	100000	Remove 'fly crop' fruit (early fruit which
	16	( AIZAWIL )	compete with strong plant/root
	1	5	development) as they appear.
	3		Weeding
	1	1 1/4	♣ Weeding or basin clearing must be
	1 6		done for better growth and
	100		develonment
	m 1 /11		development.
Rubber	Transplanting	SERCHH	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so
Rubber		SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the
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Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.
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3 | Page

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Passion Fruit	Vegetative stage	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out
	1		excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND	PULSE CROPS		support by bannoo stake.
Maize	Physiological Physiological	(SCAPAGE ASSET)	♣ According to forecast probability of
(Jhum)	maturity	Co.	huge rain and temperature will be low,
	stage	17 ( ~	so maintain the drainage channel
			around the field properly.
		135 6	Harvest all the mature cobs.
		1 5 3	♣ To reduce grain moisture proper drying is required.
		1	♣ Keep the cobs in dry place if sunlight
		LINNAGTINA	will not be available
Maize	Germination	SAIHA	4 According to forecast probability of
	stage		huge rain and temperature will be low,
			so maintain the drainage channel
		2 5	around the field properly.
			ALD

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5 | Page

			4	Gap filling is required due to poor
			_	germination percentage due to high
				rainfall.
			4	Weeding and fertilizer application
	7 7	1		must be done.
		7	4	Probability of stem borer infestation
	V	KOLASIB	0	will be high. Spray any systemic
	4	( )	.\-	insecticide.
Kharif Rice	Transplanting	W 2 2	4	According to forecast and past weather
	stage			record, probability of rain will be high
	7	5		and temperature will be less. So soil
	1			moisture should be maintained in the
	8			field. Proper drainage should be
	MAMIT	1		maintained. Make channel to drain out
	§	Z AIZAWL I	ď.	excess water.
	1		+	Water level shall be maintained for
	1	1		better transplant.
	1	3 6 6		Plough the field two to three times.
	/		-	According to forecast probability of rain will be moderate to high and
	1	~~ / / / / / / / / / / / / / / / / / /		temperature will be less so run off and
	11			proper drainage should be maintained
		SERCHH	H	in the field.
		V Lag	4	Transplant 2-3 seedlings in one place
	5			for avoid gap filling.
	- 4		4	Spacing should be 20 cm row to row
	1			and 15 cm plant to plant.
		LUNGLEI	4	Keep some seedlings in nursery or
	3			corner of the field for gap filling.
Jhum Rice	Vegetative	55	+	According to forecast probability of less
	stage	W ( >>	3	rain and temperature will be high, so
				maintain soil moisture in the field
		1 9 7		properly.
			-	Earthing up soil for better growth and stability in root zone.
		1	4	Use split dose of any nitrogenous
		The same of the sa	-	fertilizer for better growth.
Kharif pulses	Germination	LAWNGTLAN	4	According to forecast probability of
(Green gram,	stage	# SAIHA	_	huge rain and temperature will be low,
Black gram and	stage			so maintain the drainage channel
Rajma)		4		around the field properly.
	1	6	00	1 1 7

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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)



6 | Page

		-	+ 2 244
			4 Gap filling is required due to poor
			germination percentage due to high
		5	rainfall.
	( )	6	♣ Weeding must be done to reduce crop
		2	weed computation.
VEGETABLE CR	OP		
Ginger and	Sowing stage	KOLASIB	Rhizome should be treated with Thiram
turmeric	1	10	@4 g/kg seed.
	1	7	Use optimum seed rate (50-60 kg/ha)
	)		for desire plant population.
	)	5	♣ Apply well decomposed FYM/ pig
	1	5	manure @ 10-20 t/ha along with
	2		$120:80:60$ kg N, $P_2O_5$ and $K_2O/ha$
	MAMIT	(	incorporate with soil before sowing.
	Ç	1	Half nitrogen dose will use at the time
	1	( AIZAWL )	of sowing and remaining 25% after one
	\	Y	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	S	♣ According to forecast probability of
us crop	gg.	1	less rain and temperature will be high,
us crop	0.00		so maintain soil moisture in the field
	100		properly.
		arnew.	Provide split doses of urea (70g/pt) at
		SERCHN	the time of full blooming.
	V		♣ Apply irrigation every alternate day or
			use straw mulch for conserve soil
			moisture.
			In large gardens apply carbaryl 0.2 per
		LUNGLEI	cent or malathion 0.15 per cent
			suspension containing sugar or
	3.7		jeggery at 10 g/l at fortnightly
	1	n ?~~	intervals at flowering and fruit
			initiation against fruit fly and
	1		pumpkin beetle.
Chilli	Vegetative to		According to forecast probability of
	flowering	1 50 4	less rain and temperature will be high,
	stage	1	so maintain soil moisture in the field
	stage	Laurence and	properly.
		LAWNGTLAN	Earthing up soil for better growth and
		# SAIHA	stability in root zone.
			♣ Apply irrigation every alternate day or
		1	use straw mulch for conserve soil
L	I	0 0	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		17	moisture.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
		1	If possible use straw mulch/ grass
	1. 1.	- F 3	mulch in row to prevent moisture loss
	1 2	7	and better growth of plant.
		Barris St.	♣ In large gardens apply carbaryl 0.2 per cent
	1	Fruit fly	or malathion 0.15 per cent suspension
	)	LA I	containing sugar or jeggery at 10 g/l at
	(	3 0 1	fortnightly intervals at flowering and fruit
	7		initiation.
Cowpea	Vegetative		According to forecast probability of less
oopou	stage	27	rain and temperature will be high, so
	17 T 19 19 19 19 19 19 19 19 19 19 19 19 19		maintain soil moisture in the field
	J' MAINIT	1	properly.
	1	Z AIZAWL Z	Earthing up soil for better growth and
			stability in root zone.
	1	) }	♣ Don't use split dose of any nitrogenous
	1	3 6 /	fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
OMIG	stage		rain and temperature will be high, so
	Stage		maintain soil moisture in the field
		SERCHN	
	1	V~	Earthing up soil for better growth and
	(		stability in root zone.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage	WHATEHA	♣ Planting is done well prepared land or
0020000	Some Some	LUNGLEI	pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
		5	5-7 deep at a spacing of 40-50 cm
		17	between and within rows in the pits.
	7		4 Inorganic fertilizer like Urea, SSP and
		177	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		Amprove-man	kept in alleviated area and dry bedding
		LAWNGTLAN	(straw) to be provided to young
		/ SAIHA	
			♣ 1 <sup>st</sup> injection at 6 months of age and
		4	2nd injection at 12 months of age
		m 10 (	followed by annual vaccination under
		1 1 1	7   Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



	7	Porcine Reproductive Respiratory Syndrome (PRRS).	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
Cattle	All age group	AIZAWL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>

8 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



	<ul> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>➤ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	
Monitoring of fish in pond	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> <li>Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.</li> <li>Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.</li> </ul>
	2 1 1
	9   Page

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



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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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**Parameters** 

Rainfall (mm)

### GRAMIN KRISHI MAUSAM SEWA

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 25 July - 29 July, 2018

26.07.2018

12

Bulletin No: - 810/2018/ Bulletin/Mizo

25.07.2018

12

27.07.2018	28.07.2018	29.07.2018
15	8	16
29	29	30
15	15	15
Mainly cloudy	Partially clear	Mainly cloudy

Date of issue: 24th July, 2018

	· ·		=	-	_
Max Temp (°C)	30	30	29	29	30
Min Temp (°C)	16	16	15	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	99	99	100	100
Min RH (%)	56	66	63	61	69
Wind Speed (KmpH)	4	4	2	2	2
*Wind Direction	E	E	E	S-E	S-E

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

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

228-383.68mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm

Aizawl- 383.68mm Champhai- 239.49mm Saiha- 109.52 mm (341.8mm) (250.30mm) (87.2mm)

(87.2mm) (380.9mm)

Lawngtlai-321.51mm Lunglei-344.00mm (285.5mm) (186.21mm)

Mamit-449.48mm Serchhip-411.72mm (442.80mm) (25.9mm)

Weather summary of the past three days

25<sup>th</sup> July – 29<sup>th</sup> July, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):27-31°C Minimum Tem. (°C):16-21°C Maximum RH (%):98-99% Minimum RH (%):76-85% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.12 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 15-16°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 56-69% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 64.1 mm

Weekly cumulative rainfall: 63.0mm

**NDVI** for Mizoram

North East Region 29 fac 2018

29 fac 2018

The control of the parts Storth

Agriculture signer is moderate year some of the parts Storth

Moderately wet mildly dry/mildly wet conditions

1 | Page

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbandry advisories
FRUITS CROPS		Diseases	
KHASI	A Irvi otongo	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V comment of	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	1	A.	4 Thlai naupang deuah chuan chawlh
	(	3 4 /	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
	- 1	1	theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	1		♣ A seng hma kar 6 chhung chu tui tha
STAR FROIT	/ MAMIT		taka pek hian a rah tla tur chelh nan
	5	AIZAWL I	leh a rah than that nan te leh a rah
PLUM AND	1	Valletine.	keh tur lakah t a veng thei ani.
PEACH	V	)	
	1	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang
		canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
	1	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	♣ Huan zau takah chuan a par tan tirh leh a
		Fruit Hy ROMN	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
	JF		10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	MANAGE A	Nursery stage
		great .	+ Thlai chi thlak hma in Azospirillum leh
	7	17 7	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		( 19 20 )	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.  4 Chuan a chi chu lei tlem te a chhilh a
		30	buhpawla khuh tur ani.
			♣ Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		SAIHA	ani.
			♣ Ni 45 hnu velah a tiak thin a,chu chu
		4	bag ah an sawn chhuak leh thin ani.
		10 M	The second secon

2 | Page

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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)



		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.
- (	00101	♣ Hmaih neih nuaih loh tur ani.
)	CONT.	♣ Sneg hmaih te lakkhawma paih vek tur
(	1 1	ani.
1	The second of	♣ Seng bang zawng zawng chu uluka taka
T.	2	paih fai vek tur ani.
	27	♣ A thlai vennan a rah tlai ho chu paih vek
Sam	Mer	tur ani.
J MA	MIT	Hmun dam lutukah dah loh tur.
1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
1		rawn chawr no theih nan thlai chu uluk
1	)	tak a hlawi tur ani.
A.		Chuan hei hian kah tur ani. Quinalphos 25
1		EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
()		In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCH	
	( Section	robusta cherry 11.0 %.
y v	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
Y		dang te paihpaih vek tur ani.
4		♣ Bordeaux mixture 0.5% in February -
- (		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	The state of the s	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS		
Rabi Maize A chin hu	n \ a \ ? ~	Vaimim chinna tur atan lei kan let
	131	phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	1 60	4 A chi chu kan lei leh saah chuan kan
	(	dah ang.
	1	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	) F SAIH	4 20-25 kg/ha vel a chi thlak hi a tawk
		vel viau ani.
	1	♣ A chi tuh hma in lei leh FYM @5-10
	1 7 6	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
	111	3   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

4 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

5 | Page

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	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	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	wy )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	- 5			ani.
	5	Same	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	_	chauh pek thin tur ani. Sangha chaw a
	,	3 6 (		lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCH	IIP :	tur ani a, hmuar atang a tur lo inseam
	-	V Long		thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	- 1		4	Dil sah kang veka sangha man thin
	1		-	hian a kumleh a sangha khawinan a dil
		LUNGLEI	60	buatsaih a ti awlsam a, dil mawng
	3	the contract of the contract o	I	phoro, chinai phul, leitha hman leh tul
		000		dang in dil buatsaih tur ani.
		17 ( )	1	Sangha te natna lak atangin an him em
	)		0	tih enfiah fo a tha a, natna hmuh anih
	1	19 8		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			7	A ranglam a chinai @50kg/ha leh
		20		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	1	<u> </u>
				~- <sup>1</sup>
			1	2
		N 1	5	

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



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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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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: Aizawl Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/English

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	20	19	13	14	10
Max Temp (°C)	30	30	29	29	30
Min Temp (°C)	14	14	14	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	99	97	99	96
Min RH (%)	50	60	69	59	71
Wind Speed (KmpH)	2	4	3	3	4
*Wind Direction	E	S-E	S-E	S-E	S

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

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

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

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

Weather summary of the past three days

Maximum Tem. (°C):25-30°C

Minimum Tem. (°C):15-19°C Maximum RH (%):96-99%

Maximum RH (%):96-99% Minimum RH (%):81-92%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2.56 km/hr

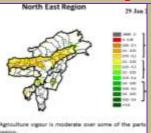
Rainfall: 40.8 mm

Weather forecast valid from 25<sup>th</sup>July, 2018 To 29<sup>th</sup> July, 2018.

There are chances of moderate rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 14-15°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 50-71%. Wind direction would be easterly to southeasterly and southerly with the wind speed of 2-4 km per hour. Manly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 76.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 1	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	J	C A	field properly.
STAR FRUIT	(	1 1	<b>By seeds:</b> Seed should be sown in the
SIAK FRUII	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	1	1	in secondary bed or polythene bags at 4-
PEACH	MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Concurrence:	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	1	6.7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~ /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
	-	V	♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
	5		the best time for transplant or gap
	4		filling.
			♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		500	distance depends on the variety. The
	- 7		bigger the fruit, the farther the distance.
	1	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
	1	Citrus greening, Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	100	maintain the drainage channel around the
		1 / NL /	2   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		KOLASIB	field properly.  Coffee should be grown as a single stem system. Pruning is required to:  Supply good healthy wood for the next season's crop;  maintain the correct balance between leaf area and crop;  Prevent overbearing and dieback;  Reduce biennial bearing;  Maintain good tree shape.
	MAMIT	AIZAWA	De suckering-  De-sucker to maintain a single stem system and avoid competition from suckers  Remove 'fly crop' fruit (early fruit which compete with strong plant/root development) as they appear.  Weeding  Weeding or basin clearing must be done for better growth and development.
Rubber	Transplanting and gap filling	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.
	1	LUNGLEI	<ul> <li>♣ Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>♣ Basin clearing of all established plant.</li> <li>♣ Rain cap can use for tapping plant</li> <li>♣ Start intercropping in newly established orchard.</li> </ul>
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be

3 | Page

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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)



Passion Fruit	Vegetative stage	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Maize (Jhum)	Physiological maturity stage		<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Harvest all the mature cobs.</li> <li>To reduce grain moisture proper drying is required.</li> <li>Keep the cobs in dry place if sunlight will not be available</li> </ul>
Maize	Germination stage	SAIHA	According to formand much shiliter of
		1/1/	4   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)



5 | Page

			4	Gap filling is required due to poor germination percentage due to high
	- Company			rainfall.
		/	4	Weeding and fertilizer application
		21		must be done.
		KOLASIB (	-	Probability of stem borer infestation
	1	NULHOID	( )	will be high. Spray any systemic
	<u> </u>	(A)	_	insecticide.
Kharif Rice	Transplanting	3 4 /	-	According to forecast and past weather
	stage			record, probability of rain will be high
	1	3		and temperature will be less. So soil moisture should be maintained in the
	J			field. Proper drainage should be
	MAMIT			maintained. Make channel to drain out
	2. 10000000	A second	e.	excess water.
	1	( AIZAWL )	4	Water level shall be maintained for
	1	1		better transplant.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	S	4	Plough the field two to three times.
	1	1 500	4	According to forecast probability of rain
	) 6			will be moderate to high and
	1			temperature will be less so run off and
		SERCHN	i E	proper drainage should be maintained
	1			in the field.
	1		-	Transplant 2-3 seedlings in one place
			-	for avoid gap filling.  Spacing should be 20 cm row to row
	()		= -	and 15 cm plant to plant.
	1	A COMPANIES	4	Keep some seedlings in nursery or
	)	LUNGLEI		corner of the field for gap filling.
Jhum Rice	Vegetative	996	4	According to forecast probability of less
	stage	17		rain and temperature will be high, so
	S			maintain soil moisture in the field
	(i	( 19 20 )		properly.
			+	Earthing up soil for better growth and
		-0		stability in root zone.
			-	Use split dose of any nitrogenous
Kharif pulses	Germination	LAWNSTLAN	4	fertilizer for better growth.  According to forecast probability of
(Green gram,		# SAIHA	+	huge rain and temperature will be low,
Black gram and	stage		ī	so maintain the drainage channel
Rajma)		1	-	around the field properly.
		6 6		1 F J

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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)



6 | Page

	I		
			↓ Gap filling is required due to poor
			germination percentage due to high
		6	rainfall.
		/	♣ Weeding must be done to reduce crop
		2	weed computation.
VEGETABLE CR	OP		
Ginger and	Sowing stage	KOLASIB	♣ Rhizome should be treated with Thiram
turmeric	3 3	for S	@4 g/kg seed.
	/	W/2	Use optimum seed rate (50-60 kg/ha)
	8		for desire plant population.
	3		♣ Apply well decomposed FYM/ pig
		( A )	manure @ 10-20 t/ha along with
		1	$120:80:60$ kg N, $P_2O_5$ and $K_2O/ha$
	? MAMIT		incorporate with soil before sowing.
	(	1	Half nitrogen dose will use at the time
	1	( AIZAWL )	of sowing and remaining 25% after one
	-	1	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		♣ According to forecast probability of
	Truiting stage	1 5	less rain and temperature will be high,
us crop	1	1	so maintain soil moisture in the field
			properly.
	11		Provide split doses of urea (70g/pt) at
		SERCHN	the time of full blooming.
	1	V	♣ Apply irrigation every alternate day or
			use straw mulch for conserve soil
		100	moisture.
			In large gardens apply carbaryl 0.2 per
		A CONTRACT OF A	cent or malathion 0.15 per cent
		LUNGLEI	suspension containing sugar or
			jeggery at 10 g/l at fortnightly
		W 800	intervals at flowering and fruit
		11	initiation against fruit fly and
		P \	pumpkin beetle.
Chilli	Vegetative to	) ( )	♣ According to forecast probability of
	flowering	1 6 4	less rain and temperature will be high,
		1	so maintain soil moisture in the field
	stage	American Section 1	properly.
		LAWNGTLAN	I Forthing up soil for botton grounth and
		SAIHA	stability in root zone.
			♣ Apply irrigation every alternate day or
		A	use straw mulch for conserve soil
		n 0 (	use straw mulch for conscive son

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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				<u> </u>
				moisture.
				Don't use split dose of any nitrogenous
				fertilizer for better growth.
	1	1		If possible use straw mulch/ grass
	) \	2		mulch in row to prevent moisture loss
	1	V X		and better growth of plant.
	J.	Fruit fly		n large gardens apply carbaryl 0.2 per cent
	1	Fr.		or malathion 0.15 per cent suspension
	1	7		containing sugar or jeggery at 10 g/l at
	)			ortnightly intervals at flowering and fruit
0	¥7 4 - 4 !	5		nitiation.
Cowpea	Vegetative			According to forecast probability of less
	stage			rain and temperature will be high, so maintain soil moisture in the field
	J. MAMIT	1		
	5	AIZAWL I	_	properly.
	1	Constant 1		Earthing up soil for better growth and
	1	5		stability in root zone. Don't use split dose of any nitrogenous
	1	S 2		ertilizer for better growth.
Okra	Vegetative			According to forecast probability of less
Okra	111 25			rain and temperature will be high, so
	stage			maintain soil moisture in the field
		SERCHN	t des	properly.
			_	Earthing up soil for better growth and
	(			stability in root zone.
				Don't use split dose of any nitrogenous
				Fertilizer for better growth.
Colocasia	Sowing stage	WHENDERS		Planting is done well prepared land or
001000010	Downing budge	LUNGLEI	-	pits filled up with FYM (12-15) t/ha
	3			Sprouted corms or cormels are planted
		5		5-7 deep at a spacing of 40-50 cm
	- 7	17		petween and within rows in the pits.
				norganic fertilizer like Urea, SSP and
		135 6		MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY			
Pig	All stages	(		Animals must keep in dry place or
		American contra	3	kept in alleviated area and dry bedding
		LAWNGTLAN		(straw) to be provided to young
		SAIHA		animals.
				1st injection at 6 months of age and
				2nd injection at 12 months of age
		N N		followed by annual vaccination under
		1 4		7   P a g e

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	Porcine Reproductive Respiratory Syndrome (PRRS).	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
Cattle All age group	AIZAWL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>
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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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57	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	
Monitoring of fish in pond	
	2 2 1
	9   P a g e

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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\*Wind Direction

#### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District: Aizawl** Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/Mizo

		P	4		
Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	20	19	13	14	10
Max Temp (°C)	30	30	29	29	30
Min Temp (°C)	14	14	14	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	99	97	99	96
Min RH (%)	50	60	69	59	71
Wind Speed (KmpH)	2	4	3	3	4
Min RH (%)					

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- June 1-30, 2018 (Percent of deviation from normal in parenthesis)

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

S-E

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

Mamit-449.48mm Lawngtlai-321.51mm Lunglei-344.00mm Serchhip-411.72mm (442.80mm)(285.5mm)(25.9mm)(186.21 mm)

25<sup>th</sup> July - 29<sup>th</sup> July, 2018 chhunga sik leh sa Weather summary of the past three days dinhmun tur tlangpui

Maximum Tem. (°C):25-30°C Minimum Tem. (°C):15-19°C Maximum RH (%):96-99% Minimum RH (%):81-92% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2.56 km/hr

Rainfall: 40.8 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 96-99% leh a hniam lai berin 50-71% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 76.0mm

**NDVI** for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 24th July, 2018

S-E

1 | Page

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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)



2 | P a g e

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

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

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

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

5 | Page

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

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	/_		1-6 ah F1 vaccine pek tur ani a, chuan
	1110454105	GPSy )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	)			ani.
	1	STATES	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL I	CH	AMPAI (
_	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	Clinawij			a phoro phawt tur ani.
	No. C		4	Sangha chaw hi a hmuar lohna turin
	1)	- Company		hmun ro leh uap lutuk lo ah dahthat
		SERCH	gP.	tur ani a, hmuar atang a tur lo inseam
	l l	V Lang		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	- 4		+	Dil sah kang veka sangha man thin
	- (			hian a kumleh a sangha khawinan a dil
		LUNGLEI	50	buatsaih a ti awlsam a, dil mawng
	3	THE PROPERTY OF THE PARTY OF TH	1	phoro, chinai phul, leitha hman leh tul
	20/1	500		dang in dil buatsaih tur ani.
		17	1	Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		19 8		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		3		tuisen @1.5mg/l diltui a hman hian
		Variable State of the state of		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	A.	
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		N PC	1	

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SAIHA

LAWNGTLAL

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8 | Page

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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: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/English

Date of issue: 24th July, 2018

Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	8	14	14	8	14
Max Temp (°C)	24	25	24	24	24
Min Temp (°C)	18	18	17	18	18
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	99	99	99	100	100
Min RH (%)	57	66	67	57	72
Wind Speed (KmpH)	3	4	3	2	3
*Wind Direction	E	S-E	S-E	S-E	S

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

Status of Pre Monsoon- June 1-30, 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) (25.9mm)

# Weather summary of the past three days

Maximum Tem. (°C):25-29°C Minimum Tem. (°C):17-20°C Maximum RH (%):99-100% Minimum RH (%):75-90%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.07 km/hr

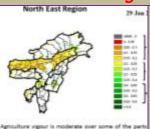
Rainfall: 43.6 mm

Weather forecast valid from 25<sup>th</sup>July, 2018 To 29<sup>th</sup> July, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 17-18°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 57-72%. Wind direction would be easterly to southeasterly and southerly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 58.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	T" )	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage	(	maintain the drainage channel around the
LIME	)	W/V )	field properly.
STAR FRUIT	5		<b>By seeds:</b> Seed should be sown in the nursery immediately after extraction in
JIAK PROII	5	STATE	to a depth 1.5 to 2 cm extraction at
	1	5	10x5 cm distance. Seedlings are planted
PLUM AND	2	1	in secondary bed or polythene bags at 4-
PEACH	) MAMIT	1	6 leaf stages. Water must b provide
	§	Z AIZAVVL	every alternate days.
	1	3	♣ Potting mixture of soil, sand and FYM or
	)	1	compost should be in proper ratio.
	1	1 70.00	♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
			Only certified seed should be used.
	1)	neman.	♣ Stagnation of water in beds should be avoided.
		SERCH	♣ In the citrus belt, trees can be planted
	V	No. 1	at any time; however, pre-monsoon is
			the best time for transplant or gap
			filling.
	(	WHENESTER	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
			be set 6 to 10 feet apart. The exact
	1	m 850	distance depends on the variety. The bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	0 1	maintain the drainage channel around the
		1 4 6	2   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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			field properly.
			♣ Coffee should be grown as a single stem
			system. Pruning is required to:
		/	♣ Supply good healthy wood for the next
	) /		season's crop;
	The state of	KOLASIB (	<b>4</b> maintain the correct balance between leaf
	1	NULHSIB	area and crop;
	)	60	♣ Prevent overbearing and dieback;
	(	3 4 /	♣ Reduce biennial bearing;
	7		♣ Maintain good tree shape.
	1	2	De suckering-
	_J		♣ De-sucker to maintain a single stem system
	MAMIT		and avoid competition from suckers
	2		Remove 'fly crop' fruit (early fruit which
	1	( AIZAWL )	compete with strong plant/root
	1	1	development) as they appear.
	1	S	Weeding
	1	1 500	♣ Weeding or basin clearing must be
	) 6		done for better growth and
	170 /		development.
Rubber	Transplanting	SERCHN	According to forecast probability of huge
	and gap		rainfall and temperature will be low, so
	filling		maintain the drainage channel around the field properly.
			Start planting newly established place.
	1		Weeding must be done.
		LUNGLEI	♣ Apply 10-12 kg of well rotten organic
	7	CONGCEL	manure and 225 gm rock phosphate
		Later Control	should be apply at time of planting to
	1	7	each pit as basal dose application.
			Basin clearing of all established plant.
	1	( G St )	Rain cap can use for tapping plant
			♣ Start intercropping in newly
011	**	1 50	established orchard.
Oil plam	Vegetative/		According to forecast probability of huge
	Harvesting	LAWNGTLAN	rain and temperature will be low, so maintain the drainage channel around the
	stage	# SAIHA	field properly.
			♣ 10-12 kg of well rotten organic manure
		4	and 225 gm rock phosphate should be
	I	6 1	

3 | Page

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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4 | P a g e

Passion Fruit	Vegetative stage	KOLASIB	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  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out
	1		Medium to young seedling should be support by bamboo stake.
CEREALS AND	PULSE CROPS		support by barrious stake.
Maize (Jhum)	Physiological maturity stage	A LAWNSTI ALS	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Harvest all the mature cobs.</li> <li>To reduce grain moisture proper drying is required.</li> <li>Keep the cobs in dry place if sunlight will not be available</li> </ul>
Maize	Germination stage	SAIHA	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
			410

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

			4	Gap filling is required due to poor
			_	germination percentage due to high
				rainfall.
			4	Weeding and fertilizer application
	7 1	2		must be done.
		7	4	Probability of stem borer infestation
		KOLASIB	0	will be high. Spray any systemic
	4	6		insecticide.
Kharif Rice	Transplanting	W = )	4	According to forecast and past weather
	stage			record, probability of rain will be high
		Smiles		and temperature will be less. So soil
	1	5		moisture should be maintained in the
	2			field. Proper drainage should be
	/ MAMIT	)		maintained. Make channel to drain out
	9	Z AIZAWL T	4	excess water.
	1	Conseille.	+	Water level shall be maintained for
	1	)		better transplant.
	1	1 6 7		Plough the field two to three times.
	1		-	According to forecast probability of rain
	1 6			will be moderate to high and
	)			temperature will be less so run off and
		SERCHN	lF	proper drainage should be maintained
	1	V~1~		in the field.  Transplant 2-3 seedlings in one place
	(		-	for avoid gap filling.
		11.5	4	Spacing should be 20 cm row to row
			-	and 15 cm plant to plant.
		LUNGLEI	4	Keep some seedlings in nursery or
	7	rollogen.		corner of the field for gap filling.
Jhum Rice	Vegetative	V94	4	According to forecast probability of less
	stage	n 200	-	rain and temperature will be high, so
				maintain soil moisture in the field
	(	Lig Sil V		properly.
		3	4	Earthing up soil for better growth and
	1	3		stability in root zone.
			+	Use split dose of any nitrogenous
	_	LAWNGTIAL	-1-	fertilizer for better growth.
Kharif pulses	Germination	SAIHA	+	According to forecast probability of
(Green gram,	stage			huge rain and temperature will be low,
Black gram and			(march)	so maintain the drainage channel
Rajma)		2 5 (		around the field properly.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			+	Gap filling is required due to poor germination percentage due to high rainfall.  Weeding must be done to reduce crop
WECEWARI E CR	0.00			weed computation.
VEGETABLE CR		KOLASIB		Rhizome should be treated with Thiram
Ginger and turmeric	Sowing stage	LA SAVE	4	@4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one
Cucurbitaceo us crop	Fruiting stage	SERCHN	+ + + +	month and 25% at flowering stage.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Provide split doses of urea (70g/pt) at the time of full blooming.  Apply irrigation every alternate day or use straw mulch for conserve soil moisture.  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	}	LUNGLEI	1	suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage	LAWNGTLAL		According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.  Apply irrigation every alternate day or
		201		use straw mulch for conserve soil

6 | Page

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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)



			moisture.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
			# If possible use straw mulch/ grass
	1. 1.	- F 3	mulch in row to prevent moisture loss
	1 1	7	_
		D 11 G	and better growth of plant.  In large gardens apply carbaryl 0.2 per cent
	1	Fruit fly	or malathion 0.15 per cent suspension
	)	Line 1	containing sugar or jeggery at 10 g/1 at
	(	3 0 1	fortnightly intervals at flowering and fruit
	7		initiation.
Cowpea	Vegetative	7	According to forecast probability of less
oopou	stage	27	rain and temperature will be high, so
	MAMIT		maintain soil moisture in the field
	Interval	\	properly.
	2	Z AIZAWIL Z	Earthing up soil for better growth and
			stability in root zone.
	)	7	♣ Don't use split dose of any nitrogenous
	1	1 6 /	fertilizer for better growth.
Okra	Vegetative		♣ According to forecast probability of less
	stage		rain and temperature will be high, so
	Stage		maintain soil moisture in the field
		SERCHN	
	1		Larthing up soil for better growth and
	(		stability in root zone.
			♣ Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage	WHIRETEN	♣ Planting is done well prepared land or
	8	LUNGLEI	pits filled up with FYM (12-15) t/ha
	1		Sprouted corms or cormels are planted
		5~	5-7 deep at a spacing of 40-50 cm
	. 7	ft /	between and within rows in the pits.
			4 Inorganic fertilizer like Urea, SSP and
		135 6	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		American services	kept in alleviated area and dry bedding
		LAWNGTLAN	(straw) to be provided to young
		/ SAIHA	
			+1st injection at 6 months of age and
		1	2nd injection at 12 months of age
		00	followed by annual vaccination under
		11 14 6	7   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | P a g e

	7	Porcine	vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  Culling of positive pigs or piglets.
	ζ	Reproductive Respiratory Syndrome (PRRS).	
Cattle	All age group	AIZAWAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be</li> </ul>
Poultry	All age group	LAWNGTLAUSAIHA	teamed short.  Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed.  Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
		60	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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FISHERY	prope D va da va wi fo	eination as per the schedule with er consultation with vet. ay old chick: HVT Marek disease accine, 4-7 days:— F/Lasota, 14-18 ays: Intermediate plus/IBD accine, 35 days: F/Lasota, 6-7 eeks: Chicken embryo adopted wl pox vaccine and 56-70 days: D R-2B strain.
Monitoring of fish in pond	with the f feed, few d Fish dry p oid aflate of fish Fish comp dewa for t botto fertili Fish: I Fish:	harvesting may be carried out by lete dewatering of pond. After tering, the pond may be prepared he next cycle by sundrying of m, applying lime, manure, zers etc. needs to be monitored regularly to we any sign of diseases and if se is observed, consult expert ediately and water sample needs to ealyzed. Ediate measure of application of and potassium permanganate cg/ha and 1.5mg/l respectively in pond helps in avoiding fish
	112 1	9   P a g e

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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:** Champhai Period: 25 July - 29 July, 2018

Bulletin No: - 810/2018/ Bulletin/Mizo

	2.20	P	3.0		
Parameters	25.07.2018	26.07.2018	27.07.2018	28.07.2018	29.07.2018
Rainfall (mm)	8	14	14	8	14
Max Temp (°C)	24	25	24	24	24
Min Temp (°C)	18	18	17	18	18
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	99	99	99	100	100
Min RH (%)	57	66	67	57	72
Wind Speed (KmpH)	3	4	3	2	3
*Wind Direction	E	S-E	S-E	S-E	S

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

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

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

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

Mamit-449.48mm Lawngtlai-321.51mm Lunglei-344.00mm Serchhip-411.72mm (442.80mm)(285.5mm)(25.9mm)(186.21 mm)

25<sup>th</sup> July - 29<sup>th</sup> July, 2018 chhunga sik leh sa Weather summary of the past three days dinhmun tur tlangpui

Maximum Tem. (°C):25-29°C Minimum Tem. (°C):17-20°C Maximum RH (%):99-100% Minimum RH (%):75-90% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.07 km/hr

hian khawthiang tak hmuh beisei a ni.

North East Regi

Rainfall: 43.6 mm

**NDVI** for Mizoram

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 24-25°C a ni ang a. A vawh lai ber in 17-18°C ni tura beisei a ni. RH san lai berin 99-100%leh a hniam lai berin 57-72% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

#### Weekly cumulative rainfall: 58.0mm

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 24th July, 2018

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1 | Page



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A levi otomeo	S 5	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	375	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	}	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	♣ Hmaih neih nuaih loh tur ani.
	)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	7	the said of the	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
	1	27	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	1	♣ Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	→ Boruak tha taka a hmuh theih nan leh a
	- Y	The state of the s	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	Δ.	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1.7		EC @ 340 ml/200 lit emaw lamda
	) 6		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	100		♣ In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
		SERGIN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		COLLEGE ITEMS	dang te paihpaih vek tur ani.
	- 1		<b>♣</b> Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		A COMMON CO.	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun		↓ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
		3 7 6 1	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		( -9 4	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		J SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
		(	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 2	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
	<u> </u>		
		4	3   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			<b>1</b> 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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

4 | P a g e

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

5 | Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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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)



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	.±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	} MADMIT	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
	1 111	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	3,0	( AIZAWIL )	CHA	AMPAI }
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
				27

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



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SAIHA

LAWNGTLAL

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8 | Page

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