

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: 18 April – 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/English

	0.00	P	3.0		
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	15	25	28	24	17
Max Temp (°C)	31	31	31	30	31
Min Temp (°C)	15	15	15	15	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	97	98	99	100	99
Min RH (%)	31	37	67	66	57
Wind Speed (KmpH)	3	4	4	3	3
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

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

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm) (5.10mm) (3.60mm)

(3.60mm) (10.80mm)

Date of issue: 17th April, 2018

Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm (3.40mm) (4.10mm) (8.30mm) (5.20mm)

Weather	summary	of the	past
	three day	7 S	

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):14-15°C Maximum RH (%):92-98%

Minimum RH (%):49-68% Wind Direction: Southeasterly

Cloud cover: Partially clear Wind speed: 1-2 km/hr

Rainfall: 43.6 mm

Weather forecast valid from 18thApril, 2018 To 22ndApril, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31°C and 15°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 31-67%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 109.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flushing	< 3	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of
AND ACID	Ţ.		rainfall. So weekly irrigation is required
LIME)	C AN	for upcoming week or use straw mulch
STAR FRUIT	(2 1	reduces soil water loss.
SIAK FRUII	3	Come L	♣ Pruning should involve removing
	1		unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND	2	/	loss of healthy foliage.
PEACH	MAMIT		The best time to prune is soon after
PEACH	5	AIZAWL)	harvest in winter to early spring before
	1	Constant 1	bud break. For late varieties where two
	1)	crops may hang on the tree at once
	1	8 /	some of the new crop may be lost.
		~ 7	mixture to reduce the damage of white
	1)		ant upto 4 feet height.
		SERCHN	Apply Bordeaux mixture to the plant after
	- 1	V Lang	pruning.
	5		Application of split dose of fertilizer 600:
			200:100 (g/pt).
		Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	3	and Dieback	protect healthy plant from soil borne
		414 21004011	disease.
PLANTATION CR			
COFFEE	Blooming		4 If day temperature and prolong dry
	stage	100	spell occur it lead to Floral abnormalities like "Star Flower" in
	,	1 60 4	Arabica and "Pink Flower" in Robusta.
		1	
		LIMMETTAL	interval, 6 weeks before harvesting
		LAWNGTLAL	in an
		(SAINA	development, and reduces fruit
			cracking and improves the fruit quality.
			♣ Mulching should be done with dry
		6 1	2 D o o o
		4 (2 P a g e

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		KOLASIB	grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I	PULSE CROPS		ought and acted of the
Maize (Jhum)	Sowing stage	SAIHA	Remove all weed plant from the selected place.Keep the plant, leaves and wood for dry.

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		KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum)	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is

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Capsicum	Flowering to fruiting stage	Poly house	 applied 30-40 days after transplanting. ♣ Provide irrigation if water is require. ♣ Low temperature and high humidity influence the population of onion trips. ♣ Apply any systemic insecticide 1.5 ml/lt of water. ♣ Intercultural operations should be done regularly to keep the crop free from
	\{\bar{\}\}		 weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		Fruit fly SAIHA	♣ 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.

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Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
		/		spade, harvest all mature tubers.
		3	4	Discard all mother tubers from
	1	V		harvested potato tubers.
		KOLASIB	4	Keep 7 -10 days for drying or reduce
	1	En S		the moisture level in shed dry.
	1	W/Y 2 }	4	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4	Plough the field properly, at least 2-3
_	7	STATES		times.
		5	4	Mix fertilizer with FYM 50:60:60Kg
	2	1		/ha.
	/ MAMIT	(4	Sow 2-3 seed per whole.
	5	A STATE OF		Spacing should be 30 X 20 cm.
Okra	Sowing stage	Canesaure 1		Plough the field with the help of spade.
	1	5		Sow 2 seed 45 X 45 cm spacing.
	1		4	Before sowing seed provide one or two
	1			irrigation.
) 6		+	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEI				
Pig	All stages	SERCHN	P+	Animals must keep in dry place or
		V~	- 4	kept in alleviated area and dry bedding
	((straw) to be provided to young
			1	animals.
			-4	1st injection at 6 months of age and
	26	Will Constitute of the Constit	3	2nd injection at 12 months of age
		LUNGLEI	02	followed by annual vaccination under
	3		1	vet supervision against FMD.
		500	1	Reduce concentrate diet up to 5%.
	.7	11 1 2	1	Provide adequate potable water.
			1	In present weather conditions
		1 7 6	3	vaccinate against swine fever (Vaccines
		Podelina	6	available in State Veterinary Departs)
		Porcine	3	. Culling of positive pigs or piglets.
		Reproductive		1
		Respiratory (PRRS)		
		Syndrome (PRRS).		1

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Cattle	All age group		♣ In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
		6	Application of turpentine oil in the
) \	-1	wounds followed by application of
	1	V comment	antibiotics for five days is advised.
	J.	KOLASIB	♣ Provide UMB/Molases if possible in the
	1	En S	feed
	7	~ 7	♣ Provide 10-30 ml of vitamin B-Complex
	2		in feed
)	5	↓ 1st injection at 6-8 weeks of age, 2nd
	1	5	injection after 6 months of 1st injection
	2		followed by annual vaccination under
	MAMIT	1	vet supervision.
	5	AIZAWL	Separate sick animals.
	1	Convenience 1	4 The animal should be washed with
	1	5	lukewarm water added with little
	1		potash (KMnO4) or neem leaves.
	1	1 1	Long hair near the
) 6		udder/stomach/back legs should be
	170 1		teamed short.
Poultry	All age group	SERCHN	♣ Provide preventive dose of anti-coccidial
			drugs to poultry.
	(+ Proper ventilation of shed.
)		♣ Provide glucose/electral along with
	110		vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3		Provide broad-spectrum antihelminthic
		5	drugs under vet supervision and
		11 / 2	recommended doses.
			Vaccination as per the schedule with proper consultation with vet.
		100	> Day old chick: HVT Marek disease
			vaccine, 4-7 days: ¬F/Lasota, 14-18
		(=)	days: Intermediate plus/IBD
		Variation of the second	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks: Chicken embryo adopted
		# SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		4	Remove wet litter.
	l .	NIN	

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FISHERY Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT 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. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
G.	- 00	ACMIT (

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	M <mark>r. Lalrosa</mark> mga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	: 1	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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S-E

District: Aizawl Period: 18 April - 22 April, 2018

19.04.2018

25

31

15

Mainly cloudy

98

37

4

S-E

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18.04.2018

15

31

15

Mainly cloudy

97

31

3

S-E

3		
20.04.2018	21.04.2018	22.04.2018
28	24	17
31	30	31
15	15	15
Mainly cloudy	Mainly cloudy	Mainly cloudy
99	100	99

66

3

Date of issue: 17th April, 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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(5.10mm)(4.20mm)

(3.60mm)(10.80mm)

Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm (8.30mm)(3.40mm)(4.10mm)(5.20mm)

Weather summary of the past three days

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

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4

S-E

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):14-15°C Maximum RH (%):92-98% Minimum RH (%):49-68% Wind Direction: Southeasterly Cloud cover: Partially clear

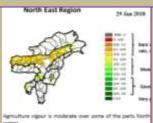
Wind speed: 1-2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31°C a ni ang a. A vawh lai ber in 15°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 31-67% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 109.0mm

NDVI for Mizoram

Rainfall: 43.6 mm



Mildly dry condition occurs in all districts of Mizoram.

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND I	NIII CE CECE	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Cont.	1 17. in in 1 in
Rabi Maize	A chin hun	7 7	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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South as a second	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy)	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	ani. Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		75	tur ani .
Early Cole	Black spot	20 7	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh an yangin a hash ah thil dum rayun
			sa vangin a hnah ah thil dum rawn

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran.
	MAMIT	Reproductive Respiratory Syndrome (PRRS).	CHAMPAI
	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
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com	
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com	
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com	
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com	
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com	
Dr. Dr. V. Dayal	: Scientist (Horticulture)		Vishambhai5009@gmail.com	
Dr. Samuel Lalliansanga :		Head & Sr. Scientist	samuelpachuau10@gmail.com	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com	
Mr. Evans Syiem	: Meteorological Observer		evansmeteo@gmail.com	
G.	- 00	AUMIT I		

Collaborating Department:

			A Company of the Comp		
Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no	
KVK Lunglei	:	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614	
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440	
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293	
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788	
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858	
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509	
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625	
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669	

SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Dainfall (m

GRAMIN KRISHI MAUSAM SEWA

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(10.80mm)

District: Champhai Period: 18 April - 22 April, 2018

19.04.2018

Bulletin No: - 785/2018/ Bulletin/English

18.04.2018

	_	
0.04.2018	21.04.2018	22.04.2018
35	8	6
30	30	31

Date of issue: 17th April, 2018

Rainiali (mm)	21	20	35	0	O	
Max Temp (°C)	30	30	30	30	31	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Mainly cloudy					
Max RH (%)	94	96	98	98	98	
Min RH (%)	33	37	62	54	42	
Wind Speed (KmpH)	4	4	4	3	3	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	

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

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

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm)(5.10mm)(3.60mm)

Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm

Lawngtlai-7.84mm (8.30mm)(3.40mm)(4.10mm)(5.20mm)

Weather summary of the past	Weather forecast valid from 18th April, 2018 To
three days	22 nd April, 2018.
Marrian Tom (00),06 0700	There are also as a fine density to light using full density

Maximum Tem. (°C):26-27 Minimum Tem. (°C):14°C Maximum RH (%):88-95% Minimum RH (%):49-72% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Rainfall: 39.0 mm

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 15°C. Maximum relative humidity is expected in the range of 94-98% and minimum may from 33-62%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 96.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Flushing	< 3	♣ According to forecast and past weather	
MANDARIN	stage	KOLASIB	record, there is no probability of	
AND ACID	1		rainfall. So weekly irrigation is required	
LIME)	C AN	for upcoming week or use straw mulch	
STAR FRUIT	(2 1	reduces soil water loss.	
SIAK FRUII	3	Come L	♣ Pruning should involve removing	
	1		unhealthy, unwanted and poorly positioned branches but minimise the	
PLUM AND	2	/	loss of healthy foliage.	
PEACH	MAMIT		The best time to prune is soon after	
PEACH	5	AIZAWL)	harvest in winter to early spring before	
	1	Constant 1	bud break. For late varieties where two	
	1)	crops may hang on the tree at once	
	1	8 /	some of the new crop may be lost.	
	1	~ 7	mixture to reduce the damage of white	
	1)		ant upto 4 feet height.	
		SERCHN	Apply Bordeaux mixture to the plant after	
	- 1	V Lang	pruning.	
	5		Application of split dose of fertilizer 600:	
			200:100 (g/pt).	
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux	
		citrus greening	past in tree trunk, twigs and branches	
	3	and Dieback	protect healthy plant from soil borne	
	2.7	and Dieback	disease.	
PLANTATION CR				
COFFEE	Blooming		♣ If day temperature and prolong dry	
	stage	130	spell occur it lead to Floral	
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	
		1	♣ Irrigation of plants at alternate day's	
		Laurence	interval, 6 weeks before harvesting	
		LAWNGTLAL	in an	
		(SAINA	development, and reduces fruit	
			cracking and improves the fruit quality.	
			♣ Mulching should be done with dry	
		6 1	2 D o o o	
2 P a g e				

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	7	KOLASIB	grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I	PULSE CROPS		ought and acted of the
Maize (Jhum)	Sowing stage	SAIHA	Remove all weed plant from the selected place.Keep the plant, leaves and wood for dry.

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		KOLASIB	 ♣ Burn it when it will be dry. ♣ Open a furrow with the help of chimkhawi. ♣ Keep 4-5 seeds a hole. ♣ Distance should be maintain 60 cm from plant to plant. ♣ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time
Rice (<i>Jhum</i>)	Sowing stage	AIZAWL	of sowing and remaining 25% after one month and 25% at flowering stage. Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.
	2	SERCHH	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one
Onion	Bulb formation stage	Poly house	 month and 25% at flowering stage. ♣ Provide irrigation every alternate day due to non availability of rain. ♣ Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. ♣ Remaining quantity of nitrogen is

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			applied 30-40 days after transplanting. Provide irrigation if water is require.
	5	1	 Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	♣ Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.
	1	7	 ♣ Harvest all mature fruits. ♣ Provide irrigation if water is require. ♣ Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 ♣ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ♣ Harvest all mature fruits.
		SERCHH	 Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		Fruit fly SAIHA	♣ 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.

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Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			♣ Open the furrow with the help of
	1	1	spade, harvest all mature tubers.
	1 1	5	Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	1	1	♣ Keep 7 -10 days for drying or reduce
)	Line 1	the moisture level in shed dry.
	0	1 1	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		Plough the field properly, at least 2-3 times.
	1	3	
			Mix fertilizer with FYM 50:60:60Kg /ha.
	\$ MAMIT		Sow 2-3 seed per whole.
	7 1000000	1	Spacing should be 30 X 20 cm.
Okra	Sowing stage	C ANZAWAL I	Plough the field with the help of spade.
Okra	Sowing stage	1	Sow 2 seed 45 X 45 cm spacing.
	1	3	Before sowing seed provide one or two
	4	1 86	irrigation.
	1	1 3 1	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN	NDARY		Trovido forembor (e) 120, 00, 00 118/11a
Pig	All stages	SERCHN	♣ Animals must keep in dry place or
	-	(A DENOMIN	kept in alleviated area and dry bedding
	V.		(straw) to be provided to young
		-	animals.
			4 1st injection at 6 months of age and
		Carrier-CO	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		5	Reduce concentrate diet up to 5%.
	- 7	11	Provide adequate potable water.
			In present weather conditions
		135 6	vaccinate against swine fever (Vaccines
		Dedains	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory	
		Syndrome (PRRS).	T.
		Syndiome (FRRS).	1

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Cattle	All age group	17	4	In present weather conditions, special
Julio	ago group		Ī	care should be taken against attack of
				maggots in the wounds of animals.
				Application of turpentine oil in the
	2.1	1		wounds followed by application of
	1	7		antibiotics for five days is advised.
		KOLASIB	4	Provide UMB/Molases if possible in the
	((1	feed
)	Way 3	4	Provide 10-30 ml of vitamin B-Complex
	8	2 1	·	in feed
	3	The same of the sa	4	1st injection at 6-8 weeks of age, 2nd
	1	()	_	injection after 6 months of 1st injection
	- J			followed by annual vaccination under
	MAMIT	1		vet supervision.
	7 1/25/1/1	A common of	4	Separate sick animals.
	1	(ATZAVVL	C N	The animal should be washed with
	1	1	_	lukewarm water added with little
	1	3		potash (KMnO4) or neem leaves.
	1	1 5	4	Long hair near the
	1	1		udder/stomach/back legs should be
	160			teamed short.
Poultry	All age group	The same of the sa		Provide preventive dose of anti-coccidial
1 Gally	IIII ago group	SERCHN	IP'	drugs to poultry.
	1	V	4	Proper ventilation of shed.
	-			Provide glucose/electral along with
	1		1	vitamin supplements (@5- 6ml/100
	- 1			birds) with adequate potable water
		LUNGLEI	4	Avoid overcrowding.
	7	PARAPER	4	Provide broad-spectrum antihelminthic
			-0	drugs under vet supervision and
	, h	m ?	-	recommended doses.
		18	4	Vaccination as per the schedule with
	(1	proper consultation with vet.
			9	Day old chick: HVT Marek disease
	N	1 50 4	8	vaccine, 4-7 days: ¬F/Lasota, 14-18
		1	1	days: Intermediate plus/IBD
		Lamoran		vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN		weeks: Chicken embryo adopted
		# SAIHA		fowl pox vaccine and 56-70 days:
				RD R-2B strain.
		1 = 1	4	Remove wet litter.
		m De l		

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FISHERY Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT 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. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
G.	- 00	ACMIT (

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai		Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

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Parameters

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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



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3

S-E

(10.80mm)

District: Champhai Period: 18 April – 22 April, 2018

19.04.2018

20

30

15

Mainly cloudy

96

37

4

S-E

Bulletin No: - 785/2018/ Bulletin/Mizo

18.04.2018

27

30

15

Mainly cloudy

94

33

4

S-E

(
20.04.2018	21.04.2018	22.04.2018
35	8	6
30	30	31
15	15	15
Mainly cloudy	Mainly cloudy	Mainly cloudy
98	98	98

54

3

Date of issue: 17th April, 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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm) (5.10mm) (3.60mm)

Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm (3.40mm) (4.10mm) (8.30mm) (5.20mm)

Weather summary of the past three days

Maximum Tem. (°C):26-27°C

Minimum Tem. (°C):14°C Maximum RH (%):88-95% Minimum RH (%):49-72%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Rainfall: 39.0 mm

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

62

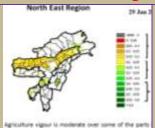
4

S-E

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 15°C ni tura beisei a ni. RH san lai berin 94-98% leh a hniam lai berin 33-62% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 96.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		practices/ Pest/ Diseases	nusbandry advisories
FRUITS CROPS		Diseases	
KHASI	A 1i atamea	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	1	A	4 Thlai naupang deuah chuan chawlh
	(3 4 7	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
		3	theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	2		♣ A seng hma kar 6 chhung chu tui tha
	J' MAMIT	1	taka pek hian a rah tla tur chelh nan
	§	Z AIZAWL Z	leh a rah than that nan te leh a rah
PLUM AND PEACH	1		keh tur lakah t a veng thei ani.
PEACH	+	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
) 6	greening and	laka vennan Bordeaux past hi thing zar leh
	1	Dieback	a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAL	 Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	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
		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 I	NIII CE CECE	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	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 ₂ O ₅ leh
		V V V	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	2	W)	♣ Lei rih vur hian thlai kung te a veng ve
and black	3		ani. ♣ Thlasik lai a lei khoro lutuk tur ven
gram cultivation in	f		nan a chungah hnim leh thildanga
rice fellow	3 MAINIT		khuh tur ani.
Potato	Sowing stage	100000	Muangchang loving alu chin na tur
	5	(AIZAWL)	chu buatsaih vat tur ani.
	1	1	Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.
	1	3 6 6	Lei leh hmain a hmun hma chu fai
	1	1 3 1	taka thlawh hmasak tur ani.
	15		A chi thlak hma in a chi chu en fiah hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
	1	V	tui pek thin tur ani.
VEGETABLE CR			
Tomato	Bacterial		Tomato bikah chuan sik leh sa hi
	Blight disease	MINISTER	natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk
		LUNGLEI	hmunah chuan natna an kai hma bik
	1		ani.
	5	n ?~~	Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb
		9\	(a) 2 gm hi tui liter 1 ah pawlh a kah
		1701	tur ani .
Early Cole	Black spot	1 63 4	4 A than a that theih nan nikhat danah
crop	disease		tui pek thin tur ani. 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

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

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

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		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
9	7	*	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preve	entive 0-3 rd	week +	Ranikhet Disease- an pian atanga ni
	sures		1-6 ah F1 vaccine pek tur ani a, chuan
l linea	and the second	()	a puitlingh chuan R ₂ B vaccine pek tur
	5		ani.
	1	4	B complex with antibodies
	4 th w	eeks +	Coccidiosis- Amprolium or
0	2		coccidiostat
1	4-5th	Weeks +	Calcium tonic fortified with B ₁₂
FISHERY	ANZA	W CH	AMPAL
	nein a	4	Sangha te hi chaw a hmuar kai lo
Monito		1	chauh pek thin tur ani. Sangha chaw a
(Sangh		0. 6	lo hmuar anih chuan pek hma in ni sa
enkaw	1) \		a phoro phawt tur ani.
		- 7	Sangha chaw hi a hmuar lohna turin
	11		hmun ro leh uap lutuk lo ah dahthat
		SERCHNIP	tur ani a, hmuar atang a tur lo inseam
	l V	Toron .	thin, aflatoxin avang a sangha thi lak
	S		atangin sangha a him phah thin.
	4	4	Dil sah kang veka sangha man thin
	1	-	hian a kumleh a sangha khawinan a dil
	LUNGLE	1	buatsaih a ti awlsam a, dil mawng
		The state of the s	phoro, chinai phul, leitha hman leh tul
	1	en l	dang in dil buatsaih tur ani.
	N 17	1	Sangha te natna lak atangin an him em
		1 1	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
	-3	7. (1)	tuisen @1.5mg/l diltui a hman hian
			sangha natna avang a thi tur lak
	LAWNGT	LAL	atangin a veng thei.
		SAIHA	
	115	1	-1
	1	1	2
	N D	1	

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the KVK	Ì	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

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District: Kolasib Period: 14 April – 18 April, 2018

Bulletin No: - 784/2018/ Bulletin/English

	1.0	P	4		
Parameters	14.04.2018	15.04.2018	16.04.2018	17.04.2018	18.04.2018
Rainfall (mm)	13	11	26	11	9
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	97	98	100	100	100
Min RH (%)	28	34	60	61	58
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm) (5.10mm) (3.60mm)

(10.80mm)

Date of issue: 13th April, 2018

Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm (3.40mm) (4.10mm) (8.30mm) (5.20mm)

three days
Maximum Tem. (°C):28-30°C
Minimum Tem. (°C):18-20°C
Maximum RH (%):86-94%
Minimum RH (%):51-82%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 2 km/hr

Weather summary of the past

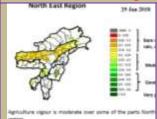
Rainfall: 41.8 mm

NDVI for Mizoram

Weather forecast valid from 14thApril, 2018 To 18thApril, 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 32°C and 18-19°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 28-61%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 3-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 70.0 mm



Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Flushing	< 3	♣ According to forecast and past weather	
MANDARIN	stage	KOLASIB	record, there is no probability of	
AND ACID	Ţ.		rainfall. So weekly irrigation is required	
LIME)	C AN	for upcoming week or use straw mulch	
STAR FRUIT	(2 1	reduces soil water loss.	
SIAK FRUII	3	Come L	♣ Pruning should involve removing	
	1		unhealthy, unwanted and poorly positioned branches but minimise the	
PLUM AND	2	/	loss of healthy foliage.	
PEACH	MAMIT		The best time to prune is soon after	
PEACH	5	AIZAWL)	harvest in winter to early spring before	
	1	Constant 1	bud break. For late varieties where two	
	1)	crops may hang on the tree at once	
	1	8 /	some of the new crop may be lost.	
	- 1		↓ Use Bordeaux paste or insecticide paste	
	1	~ 7	mixture to reduce the damage of white	
	1)		ant upto 4 feet height.	
		SERCHN	Apply Bordeaux mixture to the plant after	
	- 1	V Lang	pruning.	
	5		Application of split dose of fertilizer 600:	
			200:100 (g/pt).	
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux	
		citrus greening	past in tree trunk, twigs and branches	
	3	and Dieback	protect healthy plant from soil borne	
	2.7	and Dieback	disease.	
PLANTATION CR				
COFFEE	Blooming		♣ If day temperature and prolong dry	
	stage	137 6	spell occur it lead to Floral	
	l l	1 68 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	
		1		
		Laurence	interval, 6 weeks before harvesting	
		LAWNGTLAL	in an	
		(SAINA	development, and reduces fruit	
			cracking and improves the fruit quality.	
			♣ Mulching should be done with dry	
210000				
		-	2 P a g e	

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		grasses near the tree bassoil moisture during winted. The young fruit plant must weekly interval establishment. Foliar application of Mepale (a) 1000 PPM concentrated SSP (a) 1.5 g per 200 lt of interval.	er. st be irrigated for better siquat chloride tion or 0.75% water 15 days
Rubber	Vegetative stage	 According to forecast and record, there is no rainfall. So weekly irrigate for upcoming week or us reduces soil water loss. Farmers can go for tapp week of January. Make fire line around the from fire. Dig a pit (size 1.5 ft X 1 between 4 plants. Store of the pit and after 4 month manure. 	probability of ion is required e straw mulch bing upto last e field to save .0 ft X 1.0 ft) dried leaves in
Oil plam	Vegetative/ Harvesting stage	 Provide irrigation 10-15 days. Application of dry leaf mulce to a thickness of about 8 ce keeps down the weed growth the number of irrigations and fruit quality. Application of split dose of 200:100 (g/pt). Apply Bordeaux mixture to pruning. Fruits are harvested when size, develop attractive color sugar and acid blend. 	h or paddy husk m. in the basin h and decreases d also improves f fertilizer 600: the plant after they attain full
CEREALS AND I	PULSE CROPS		
Maize (<i>Jhum</i>)	Sowing stage	 ♣ Remove all weed plate selected place. ♣ Keep the plant, leaves dry. 	

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		KOLASIB	 → Burn it when it will be dry. → Open a furrow with the help of chimkhawi. → Keep 4-5 seeds a hole. → Distance should be maintain 60 cm from plant to plant. → Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum)	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is

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			applied 30-40 days after transplanting.
			Provide irrigation if water is require.Low temperature and high humidity
		1	influence the population of onion trips.
	1 1	3	♣ Apply any systemic insecticide 1.5
	71	A ROLLEGIE	ml/lt of water.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done regularly to keep the crop free from
	fruiting stage	W.	weeds and aeration of the root system.
	8		Harvest all mature fruits.
	5	STATE	Provide irrigation if water is require.
		5	♣ Apply any systemic insecticide to
	2		reduce damage of chilli thrips.
Brinjal	Fruiting to	1	According to forecast and past weather
	flowering	AIZAWL /	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is required for upcoming week or use
	1	()	straw mulch reduces soil water loss.
	1	1 50	Harvest all mature fruits.
) 6		♣ Apply split dose of nitrogenous
)		fertilizer to the plant.
		SERCHN	Fruit and shoot borer attack will mare
	1	V	in dry weather. Apply any systematic insecticide for better cure.
	\ \		Harvest all mature fruit.
	1		♣ Seed must be keep for next rabi
	3/4		season.
Chilli	Vegetative to	LUNGLEI	According to forecast and past weather
	flowering		record, there is no probability of rainfall. So weekly twice irrigation is
	stage	E ~	required for upcoming week or use
		10	straw mulch reduces soil water loss.
	(1 1 2 1	Harvest all mature fruits.
			4 Apply split dose of nitrogenous
		-0	fertilizer to the plant.
		Fruit fly	 Mature fruit should be harvested and In large gardens apply carbaryl 0.2 per cent
		The state of the s	or malathion 0.15 per cent suspension
		# SAIHA	containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit initiation.
		1 2	muauon.

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Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			♣ Open the furrow with the help of
	1 1	1	spade, harvest all mature tubers.
	1 1	5	Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	· l	11000000	♣ Keep 7 -10 days for drying or reduce
)	W.	the moisture level in shed dry.
0	0	1 1	Keep 25% seed for next season sowing.Plough the field properly, at least 2-3
Cowpea	Sowing stage		times.
	- 1	2	■ Mix fertilizer with FYM 50:60:60Kg
	, J		/ha.
	MAMIT		Sow 2-3 seed per whole.
	7. 10.000		Spacing should be 30 X 20 cm.
Okra	Sowing stage	(AIZAWL)	Plough the field with the help of spade.
ORIA	Sowing stage	2	Sow 2 seed 45 X 45 cm spacing.
	1	3	Before sowing seed provide one or two
	-	1 64	irrigation.
	1	1 3 1	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN	NDARY		Trovido foremest (e) 1201 001 00 118/11a
Pig	All stages	SERCHN	♣ Animals must keep in dry place or
	-	(~)	kept in alleviated area and dry bedding
	V.		(straw) to be provided to young
			animals.
			4 1st injection at 6 months of age and
		0.000	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		57	Reduce concentrate diet up to 5%.
	- 7	11	Provide adequate potable water.
			In present weather conditions
		155	vaccinate against swine fever (Vaccines
		Descine	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory	
		Syndrome (PRRS).	V.
		Syndiome (FRRS).	1

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Cattle	All age group	17	4	In present weather conditions, special
Cattic	An age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	- F 3		wounds followed by application of
	1 1	7		antibiotics for five days is advised.
	1 3	KOLASIB		Provide UMB/Molases if possible in the
	1	1	1	feed
)	Lan N		
	(3 4 /	-	Provide 10-30 ml of vitamin B-Complex in feed
	7			
	/	2	-	1st injection at 6-8 weeks of age, 2nd
	1	27		injection after 6 months of 1st injection
	Same			followed by annual vaccination under
) MAMIT			vet supervision.
	- N	AIZAWL I	cil.	Separate sick animals.
)		-	The animal should be washed with
	1	7		lukewarm water added with little
	1	3 6 7		potash (KMnO4) or neem leaves.
			-	Long hair near the
	1 6			udder/stomach/back legs should be
			-	teamed short.
Poultry	All age group	SERCHN	P	Provide preventive dose of anti-coccidial
		V~		drugs to poultry.
	(*	Proper ventilation of shed.
			-	Provide glucose/electral along with
			-4	vitamin supplements (@5- 6ml/100
	76	A STATE OF THE STA		birds) with adequate potable water
		LUNGLEI	7	Avoid overcrowding.
	3		7	Provide broad-spectrum antihelminthic
	. /	-73	1	drugs under vet supervision and
	. 7	17	1	recommended doses.
			*	Vaccination as per the schedule with
	()	1 9 8		proper consultation with vet.
	<u> </u>		1	> Day old chick: HVT Marek disease
		-3	3	vaccine, 4-7 days:¬ F/Lasota, 14-18
			104	days: Intermediate plus/IBD
		LAWNGTLAU		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
				fowl pox vaccine and 56-70 days:
			-	RD R-2B strain.
			+	Remove wet litter.
		Co.	100	

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FISHERY Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT 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. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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Expert committee members:

Dr. S.B. Singh		Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	<u>viensky2@gmail.com</u>
Dr. Dr. V. Dayal):	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	ı.	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

MAXIMUS

Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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District: Kolasib Period: 18 April - 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/Mizo

	0.00	IV.	4.0		
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	13	11	26	11	9
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	97	98	100	100	100
Min RH (%)	28	34	60	61	58
Wind Speed (KmpH)	3	3	3	3	2

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

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

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm)(5.10mm)(3.60mm)

S-E

(10.80mm)

S-E

Date of issue: 17th April, 2018

Lunglei-6.35mm Serchhip-6.37mm Lawngtlai-7.84mm Mamit-8.21mm (8.30mm)(3.40mm)(4.10mm)(5.20mm)

Weather summary of the past three days

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):18-20°C Maximum RH (%):86-94% Minimum RH (%):51-82% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2 km/hr

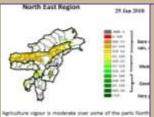
Rainfall: 41.8 mm

*Wind Direction

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 28-61% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 70.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	\	5	non tar man ta veng meram.
	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	1	hmain an thliar hrang leh vek thin ani.
	The last	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(f., (
)	Wy)	♣ Sneg hmaih te lakkhawma paih vek tur
	8		ani.
	3	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	5-7	7/	4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000	1	Hmun dam lutukah dah loh tur.
	3.0	Z AIZAVVIL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		3	tak a hlawi tur ani.
	1	7 2	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	1 6 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1)		tawkah chuan: Arabica / robusta
		_ SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
			robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani.
CEREALS AND PU	LSE CROPS		monsoon an kan chilunzawin tur am.
Rabi Maize	A chin hun	5%	✓ Vaimim chinna tur atan lei kan let
Tabi Maizo	0	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	(1 7 7	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		-3	dah ang.
		1	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		The state of the s	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
			t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		Dr. C	3 P a g e

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South of the state	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy)	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongohang laying also ship no tur
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
10111400	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	50	ani. Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D 1 0 1	701 1 4		tur ani .
Early Cole	Black spot disease	1 2	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	uiscasc	land and the second	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			Likhlum 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 @ 2gm ah tui leter 1 pawlha kah
	V S	KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	1	Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGI EI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	- Samuel	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
	[MADVIII	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	16	(AIZAWIL	CHI	AMPAI }
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
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Expert committee members:

Dr. S.B. Singh		Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	٧:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	M	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 18 April – 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/English Date of issue: 17th April, 2018

		F .	3.		
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	0	22	22	25	13
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Partially clear				
Max RH (%)	82	95	97	99	97
Min RH (%)	24	30	49	54	50
Wind Speed (KmpH)	2	4	4	4	2
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm

Champhai- 9.28 mm

Saiha- 11.37 mm

Kolasib- 10.51 mm

(4.20mm)

(5.10mm)

(3.60mm)

(10.80mm)

Lawngtlai-7.84mm (3.40mm)

Lunglei-6.35mm (4.10mm)

Mamit-8.21mm (8.30mm)

Serchhip-6.37mm (5.20mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):16-17°C Maximum RH (%):84-98% Minimum RH (%):57-71% Wind Direction: Southeasterly

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

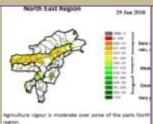
Rainfall: 27.0 mm

Weather forecast valid from 18thApril, 2018 To 22ndApril, 2018.

There are chances of moderate to heavy rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 32°C and 18-19°C. Maximum relative humidity is expected in the range of 82-99% and minimum may from 24-54%. 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: 82.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flushing	5	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of
AND ACID	(rainfall. So weekly irrigation is required
LIME)	W.	for upcoming week or use straw mulch
STAR FRUIT	- 5	2 1	reduces soil water loss.
SIAK FRUII	5	San Land	♣ Pruning should involve removing unhealthy, unwanted and poorly
	1		positioned branches but minimise the
PLUM AND	2		loss of healthy foliage.
PEACH	/ MAMIT		The best time to prune is soon after
1 211011	9	LAIZAWL)	harvest in winter to early spring before
	1	Annual Control	bud break. For late varieties where two
) i	1	crops may hang on the tree at once
	1	3 6 6	some of the new crop may be lost.
	1		Use Bordeaux paste or insecticide paste
	1		mixture to reduce the damage of white
	11	The same of the sa	ant upto 4 feet height.
		SERCHN	Apply Bordeaux mixture to the plant after pruning.
	l l		→ Application of split dose of fertilizer 600:
		4	200:100 (g/pt).
		Gummosis,	Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	1	and Dieback	protect healthy plant from soil borne
PLANTATION CR	OP	Co.	disease.
COFFEE	Blooming		♣ If day temperature and prolong dry
COFFEE	stage	Car San V	spell occur it lead to Floral
	Stage	3 1 5 5 1	abnormalities like "Star Flower" in
	1	1 55 7	Arabica and "Pink Flower" in Robusta.
			♣ Irrigation of plants at alternate day's
		LAWNGTLAL	interval, 6 weeks before harvesting
		SAIHA	improves fruit retention and fruit
			development, and reduces fruit
			cracking and improves the fruit quality.
		N N	♣ Mulching should be done with dry
		1 1 14 1	2 P a g e

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		KOLASIB	grasses near the tree base to conserve soil moisture during winter. 4 The young fruit plant must be irrigated at weekly interval for better establishment. 4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I	PULSE CROPS		
Maize (<i>Jhum</i>)	Sowing stage	SAIHA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.

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	7	KOLASIB	 Burn it when it will be dry. Open a furrow with the chimkhawi. Keep 4-5 seeds a hole. Distance should be maintair from plant to plant. Apply well decomposed manure @ 5-10 t/ha alo 80:60:40 kg N, P₂O₅ and incorporate with soil before 	FYM/pig ong with K ₂ O/ha
Rice	Cowing stage	3	Half nitrogen dose will use at of sowing and remaining 25% month and 25% at flowering standard Remove all weed plant for the standard for the	after one age.
(Jhum)	Sowing stage	AIZAWL	 selected place. Keep the plant, leaves and dry. Burn it when it will be dry. Open a furrow with the chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 	wood for
VECETADI E CD	O.P.	- SEROMA	from plant to plant.	
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with @4 g/kg seed. ♣ Use optimum seed rate (50-60 for desire plant population. ♣ Apply well decomposed FY manure @ 10-20 t/ha alo 120:80:60 kg N, P₂O₅ and incorporate with soil before Half nitrogen dose will use at of sowing and remaining 25% month and 25% at flowering st ♣ Provide irrigation every alter 	kg/ha) YM/ pig ong with K ₂ O/ha sowing. the time after one
Onion	Bulb formation stage	Poly house	 Provide irrigation every alter due to non availability of rain. Intercultural operations sh done regularly to keep the from weeds and better growth Remaining quantity of nit 	ould be crop free of bulb.

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			applied 30-40 days after transplanting.
Capsicum	Flowering to	Poly house	 Provide irrigation if water is require. Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water. Intercultural operations should be done
_	fruiting stage		regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		Fruit fly SAIHA	♣ 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.

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Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
		5	♣ Open the furrow with the help of
		6	spade, harvest all mature tubers.
) \	3	♣ Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	1	NULASIB	♣ Keep 7 -10 days for drying or reduce
	1	(A)	the moisture level in shed dry.
	1	7/01	♣ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		♣ Plough the field properly, at least 2-3
	1	7	times.
	1		♣ Mix fertilizer with FYM 50:60:60Kg
	R		/ha.
	MAINIT	3	Sow 2-3 seed per whole.
	5	A STANK	♣ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Valley or 1	♣ Plough the field with the help of spade.
	1)	Sow 2 seed 45 X 45 cm spacing.
	1	2 2	♣ Before sowing seed provide one or two
	1		irrigation.
) 6		Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEI			
Pig	All stages	SERCHN	4 Animals must keep in dry place or
	1	V~1	kept in alleviated area and dry bedding
	((straw) to be provided to young
			animals.
			1st injection at 6 months of age and
		NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		5	Reduce concentrate diet up to 5%.
	- 7	11	Provide adequate potable water.
	1		In present weather conditions
		1 35 6	vaccinate against swine fever (Vaccines
		Dedeine	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	1

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Cattle	All age group		4	In present weather conditions, special
				care should be taken against attack of
				maggots in the wounds of animals.
		6		Application of turpentine oil in the
) /	3		wounds followed by application of
	The state of	Variation (antibiotics for five days is advised.
	J.	KOLASIB	4	Provide UMB/Molases if possible in the
	1	LA S		feed
	/		+	Provide 10-30 ml of vitamin B-Complex
	7		١.	in feed
	1	5 6	+	1st injection at 6-8 weeks of age, 2nd
	1			injection after 6 months of 1st injection
	R			followed by annual vaccination under
	/ MAMIT	1		vet supervision.
	5	Z AIZAWL Z	ail.	Separate sick animals.
	1		-	The animal should be washed with
	1)		lukewarm water added with little
	1	8 7	١.	potash (KMnO4) or neem leaves.
	- 7		*	Long hair near the
	1 6			udder/stomach/back legs should be
D14	A11			teamed short.
Poultry	All age group	SERCHN	P.	Provide preventive dose of anti-coccidial
	1	V~ 1~	4	drugs to poultry. Proper ventilation of shed.
	1		1	Provide glucose/electral along with
				vitamin supplements (@5- 6ml/100
	Ji .		-	birds) with adequate potable water
		A Control of	4	Avoid overcrowding.
		LUNGLEI	4	Provide broad-spectrum antihelminthic
			7	drugs under vet supervision and
	h.	m 800	-	recommended doses.
		31	4	Vaccination as per the schedule with
		1	X	proper consultation with vet.
			9	Day old chick: HVT Marek disease
	N.	1 -	8	vaccine, 4-7 days: ¬F/Lasota, 14-18
		1	13	days: Intermediate plus/IBD
		LAWNGTLAL		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
		SAINA	l .	fowl pox vaccine and 56-70 days:
			(Prince)	RD R-2B strain.
		V sa V	4	Remove wet litter.
		6 6 1	111	

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FISHERY Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT 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. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AMIT (

Collaborating Department:

		(
Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	: 1	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 18 April - 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/Mizo

	1.0	P	1		
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	0	22	22	25	13
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Partially clear				
Max RH (%)	82	95	97	99	97
Min RH (%)	24	30	49	54	50
Wind Speed (KmpH)	2	4	4	4	2
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm

Champhai- 9.28 mm

Saiha- 11.37 mm

Kolasib- 10.51 mm

Date of issue: 17th April, 2018

(4.20mm)

(5.10mm)

(3.60 mm)

(8.30mm)

(10.80mm)Serchhip-6.37mm

Lawngtlai-7.84mm (3.40mm)

Lunglei-6.35mm (4.10mm) Mamit-8.21mm

(5.20mm)

Weather summary of the past three days

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):16-17°C Maximum RH (%):84-98% Minimum RH (%):57-71%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Rainfall: 27.0 mm

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32°C a ni ang a. A vawh lai ber in 18-190C ni tura beisei a ni. RH san lai berin of 82-99% leh a hniam lai berin 24-54% 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: 82.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND PEACH	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACIT	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	LAWNGTLALSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(l	
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	3		♣ Seng bang zawng zawng chu uluka taka
	f.		paih fai vek tur ani.
	J.		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000		Hmun dam lutukah dah loh tur.
	3.	Z AIZAVIL Z	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
	1	1 6 /	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
			robusta cherry 11.0 %.
	\ \	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	77		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DIII CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	500	✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A CHIII Hull	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	()	(4 7)	a pui dawn a ni.
			♣ A chi chu kan lei leh saah chuan kan
) -3]	
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		(SMITH	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A S I	A chi tuh hma in lei leh FYM @5-10
		60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
	ı	1/1/	3 P a g e

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



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	7		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			### 1911 1 911 1:
Tomato	Bacterial Blight disease	LUNGLEI	 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
57	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	Ranikhet Disease- an pian atanga ni
measures	/ ₄	1-6 ah F1 vaccine pek tur ani a, chuan
1110434103	(A)	a puitlingh chuan R ₂ B vaccine pek tur
5		ani.
(5)	5	♣ B complex with antibodies
1	4th weeks	4 Coccidiosis- Amprolium or
		coccidiostat
) MANUT	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
EIGHEDV	T-0 WCCRS	+ Calcium torric fortified with B ₁₂
FISHERY	Conemic 1	GENEROUSE)
Monitoring)	Sangha te hi chaw a hmuar kai lo
(Sangha		chauh pek thin tur ani. Sangha chaw a
enkawl)		lo hmuar anih chuan pek hma in ni sa
) 6		a phoro phawt tur ani.
1		♣ Sangha chaw hi a hmuar lohna turin
	SERCH	hmun ro leh uap lutuk lo ah dahthat
		tur ani a, ninuar atang a tur io inseam
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	100	thin, aflatoxin avang a sangha thi lak
		atangin sangha a him phah thin.
1	-	→ Dil sah kang veka sangha man thin
		hian a kumleh a sangha khawinan a dil
	LUNGLEI	buatsaih a ti awlsam a, dil mawng
3	T. P. S.	phoro, chinai phul, leitha hman leh tul
	(mc	dang in dil buatsaih tur ani.
	101	Sangha te natna lak atangin an him em
		tih enfiah fo a tha a, natna hmuh anih
	(19 20)	chuan mithiam te rawn vat a, diltui
		enfiah vat tur ani.
	20 1	A ranglam a chinai @50kg/ha leh
		tuisen @1.5mg/l diltui a hman hian
	LAWNGTLAN	sangha natna avang a thi tur lak
	SAIH	atangin a veng thei.
		and I
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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)



Expert committee members:

Dr. S.B. Singh	1	Joint Director	$\underline{basantasinghsoibam@rediffmail.com}$
Dr. Saurav Saha	٧	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh		Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga		Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury		Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	į,	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: (Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	71	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
_		Head & Sr. Scientist	Jan Jan	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
_	11	Head & Sr. Scientist		
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist	-	
KVK, Mamit	:	Dr. Samuel Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist		
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

SAIHA

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Phone: +91 3837 220041, Fax: +91 3837 220560,



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: 18 April – 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/English

	1.0	P	1		
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	5	23	20	12	11
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	97	98	99	100	99
Min RH (%)	28	39	54	61	54
Wind Speed (KmpH)	4	3	4	4	2
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm) (5.10mm) (3.60mm)

(10.80mm)

Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm (3.40mm) (4.10mm) (8.30mm) (5.20mm)

	three	days	
Maximum	Tem. (C):24-26°C	
Minimum	Tem. (º	C):13-14°C	•
Mavimum	PH (%)	.95_05%	

Weather summary of the past

Maximum RH (%):85-95% Minimum RH (%):56-68%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-3 km/hr

Rainfall: 34.0 mm

Weather forecast valid from 18thApril, 2018 To 22ndApril, 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 32°C and 18-19°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 28-61%. Wind direction would be easterly with the wind speed of 3-4 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.

Date of issue: 17th April, 2018

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories	
/Fisheries FRUITS CROPS		Diseases		
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.	
STAR FRUIT	1	\$ 1	♣ Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the	
PLUM AND PEACH	MAMIT	AIZAWL	 loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height. Apply Bordeaux mixture to the plant after pruning. Application of split dose of fertilizer 600: 200:100 (g/pt). 	
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.	
PLANTATION CR				
COFFEE	Blooming stage	LAWNGTLALSAIHA	 ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. ♣ Mulching should be done with dry 	
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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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		KOLASIB	grasses near the tree base to conserve soil moisture during winter. 4 The young fruit plant must be irrigated at weekly interval for better establishment. 4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.		
Rubber	Vegetative stage	AIZAWL.	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure. 		
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. 		
CEREALS AND PULSE CROPS					
Maize (<i>Jhum</i>)	Sowing stage	SAIHA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. 		

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		KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing.
Rice	Sowing stage		Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Remove all weed plant from the
(Jhum)		SERCHN	 selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
VEGETABLE CRO	OP	1/3	from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is

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			applied 30-40 days after transplanting. Provide irrigation if water is require.
	5		 Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		Fruit fly SAIHA	♣ 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.

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Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	1	1	♣ Open the furrow with the help of
	1 1	1	spade, harvest all mature tubers.
	1 1	5	♣ Discard all mother tubers from harmonical nations to be a second to be a sec
		KOLASIB	harvested potato tubers.
	- {	(♣ Keep 7 -10 days for drying or reduce the moisture level in shed dry.
)	W. J	★ Keep 25% seed for next season sowing.
Cowpea	Sowing stage	1 1	♣ Plough the field properly, at least 2-3
Cowpea	Sowing stage	The same of the sa	times.
	- I		■ Mix fertilizer with FYM 50:60:60Kg
		/	/ha.
	MAMIT		♣ Sow 2-3 seed per whole.
	(100000	Spacing should be 30 X 20 cm.
Okra	Sowing stage	(CATERWILL	♣ Plough the field with the help of spade.
	a surge	1	Sow 2 seed 45 X 45 cm spacing.
	3	S	Before sowing seed provide one or two
	1	1 5	irrigation.
	0 6		👃 Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEI	NDARY		
Pig	All stages	SERCHN	Animals must keep in dry place or
	1		kept in alleviated area and dry bedding
	1		(straw) to be provided to young
			animals.
	Ji		1st injection at 6 months of age and
		MEMBER	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under vet supervision against FMD.
	1		Reduce concentrate diet up to 5%.
	L.	- F	Provide adequate potable water.
		11	In present weather conditions
		C Variable 1	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	4
		Respiratory	V
		Syndrome (PRRS).	

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Cattle	All age group		♣ In present weather conditions, special
Cattle	1111 ago 910ab		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1	wounds followed by application of
		()	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	(feed
)	GA.	♣ Provide 10-30 ml of vitamin B-Complex
		1 1	in feed
	1		♣ 1st injection at 6-8 weeks of age, 2nd
	1	3	
		201	injection after 6 months of 1st injection
	MAMIT		followed by annual vaccination under
	J Instanti	S	vet supervision.
	1	Z AIZAWL I	Separate sick animals.The animal should be washed with
			7
	1	7 3	lukewarm water added with little
	160	3 6 7	potash (KMnO4) or neem leaves.
	- /		Long hair near the
	1 6		udder/stomach/back legs should be
- T	A 44		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
	1	V~	drugs to poultry.
	(Proper ventilation of shed.
			Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	1	William Service	birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3		Provide broad-spectrum antihelminthic
	. /	-73	drugs under vet supervision and
	. 7	17	recommended doses.
			Vaccination as per the schedule with
		1 9 8	proper consultation with vet.
			Day old chick: HVT Marek disease
		-3	vaccine, 4-7 days: ¬F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAU	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			Remove wet litter.
		Con Contraction Contraction	

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FISHERY Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT 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. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
G.	- 00	ACMIT (

Collaborating Department:

		(
Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	V	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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District: Lunglei Period: 18 April – 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/Mizo

	1.0	P	1		
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	5	23	20	12	11
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	97	98	99	100	99
Min RH (%)	28	39	54	61	54
Wind Speed (KmpH)	4	3	4	4	2
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm) (5.10mm) (3.60mm)

(3.60mm) (10.80mm)

Date of issue: 17th April, 2018

Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm (3.40mm) (4.10mm) (8.30mm) (5.20mm)

Weather summary of the past three days

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

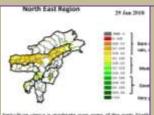
Maximum Tem. (°C):24-26°C
Minimum Tem. (°C):13-14°C
Maximum RH (%):85-95%
Minimum RH (%):56-68%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 2-3 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 28-61% 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: 34.0 mm

Weekly cumulative rainfall: 71.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
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 keh tur lakah t a veng thei ani.
PEACH	1	5	Kell tul lakalı t a veliğ ülel alıl.
	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	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(U. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAWL Y	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	3 - 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 CONTRACTOR OF THE CONTRACT	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	7 7	→ Vaimim chinna tur atan lei kan let
		31	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.
		Leavent and	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
		N N	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 P a g e

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

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

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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				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
)			ani.
	1	5 6		B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	3			coccidiostat
	T MAUNTI	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	ATZAWIL	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	0 0		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHH	(q)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	16	AND AND SECUL		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
			7	dang in dil buatsaih tur ani.
		5	4	Sangha te natna lak atangin an him em
		1	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1776	6	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		Laurence		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA)
			Prin	7
		1 2		2
		60	1	

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Expert committee members:

Dr. S.B. Singh		Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	M	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	71	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
_		Head & Sr. Scientist	Jan Jan	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
_	11	Head & Sr. Scientist		
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist		
KVK, Mamit	:	Dr. Samuel Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist	<i>(</i>	
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

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LAWNGTLAL

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Wind Speed (KmpH)

*Wind Direction

GRAMIN KRISHI MAUSAM SEWA

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S-E

District: Mamit Period: 18 April - 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/English

3

S-E

	1. 1	P	(
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	12	25	33	19	14
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	98	99	99	100	99
Min RH (%)	29	38	64	64	62

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

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha- 11.37 mm Kolasib- 10.51 mm

4

S-E

(4.20mm)(5.10mm)(3.60mm)

(10.80mm)

pril, 2018 To

3

S-E

Date of issue: 17th April, 2018

Lunglei-6.35mm Lawngtlai-7.84mm Mamit-8.21mm Serchhip-6.37mm (3.40mm)(4.10mm)(8.30mm)(5.20mm)

Weather summary of the past	Weather forecast valid from 18 th A
three days	22 nd April, 2018.
Maximum Tem. (°C):30-31°C	There are chances of moderate to light 1

Minimum Tem. (°C):19°C Maximum RH (%):91-99% Minimum RH (%):48-64% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Rainfall: 42.6 mm

NDVI for Mizoram

rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32°C and 18-19°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 29-64%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 103.0 mm

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases	·		
FRUITS CROPS					
KHASI	Flushing	<" i	♣ According to forecast and past weather		
MANDARIN	stage	KOLASIB	record, there is no probability of		
AND ACID	Ĭ	1	rainfall. So weekly irrigation is required		
LIME)	C A	for upcoming week or use straw mulch		
CMAD EDIUM	(1 1	reduces soil water loss.		
STAR FRUIT	3	Control of the second	+ Pruning should involve removing		
	1		unhealthy, unwanted and poorly		
PLUM AND		//	positioned branches but minimise the loss of healthy foliage.		
PEACH	MAMIT		The best time to prune is soon after		
PEACH	\$	10.7000	harvest in winter to early spring before		
	1	(AIZAWIL)	bud break. For late varieties where two		
	1	5	crops may hang on the tree at once		
	1	2 2	some of the new crop may be lost.		
	1		♣ Use Bordeaux paste or insecticide paste		
	1		mixture to reduce the damage of white		
)		ant upto 4 feet height.		
		SERCHN	Apply Bordeaux mixture to the plant after		
	1	V~ 1	pruning.		
	1		♣ Application of split dose of fertilizer 600:		
		1100	200:100 (g/pt).		
	J.	Gummosis,	Due to low temperature and humidity		
		citrus canker,	disease appearance will more. Use Bordeaux		
	3	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne		
	3.7	and Dieback	disease.		
PLANTATION CR	OP				
COFFEE	Blooming	3	♣ If day temperature and prolong dry		
	stage	(5 20)	spell occur it lead to Floral		
			abnormalities like "Star Flower" in		
		3	Arabica and "Pink Flower" in Robusta.		
		The same of the sa	♣ Irrigation of plants at alternate day's		
		LAWNGTLAN	interval, 6 weeks before harvesting improves fruit retention and fruit		
		# SAIHA	improves fruit retention and fruit development, and reduces fruit		
			cracking and improves the fruit quality.		
			Mulching should be done with dry		
		6	\		
2 P a g e					

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		KOLASIB	grasses near the tree base to conserve soil moisture during winter. 4 The young fruit plant must be irrigated at weekly interval for better establishment. 4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I	PULSE CROPS		
Maize (<i>Jhum</i>)	Sowing stage	SAIHA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.

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		KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum)	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is

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			 applied 30-40 days after transplanting. ♣ Provide irrigation if water is require. ♣ Low temperature and high humidity
	5	1	influence the population of onion trips. 4 Apply any systemic insecticide 1.5 ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	♣ Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.
		F	 Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits.
		SERCHH	 Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		Fruit fly SAIHA	♣ 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.

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Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
		1	+	Open the furrow with the help of
	()	6		spade, harvest all mature tubers.
) \		+	Discard all mother tubers from
	1	V con som		harvested potato tubers.
	1	KOLASIB		Keep 7 -10 days for drying or reduce
	1	LA Y		the moisture level in shed dry.
		707		Keep 25% seed for next season sowing.
Cowpea	Sowing stage		+	Plough the field properly, at least 2-3
	1	7		times.
	1		+	Mix fertilizer with FYM 50:60:60Kg
	3			/ha.
	/ MAMIT	1	+	Sow 2-3 seed per whole.
		/ niznyn	n to	Spacing should be 30 X 20 cm.
Okra	Sowing stage	3	*	Plough the field with the help of spade.
	1	1	*	Sow 2 seed 45 X 45 cm spacing.
	1	a l	-	Before sowing seed provide one or two
	- 1		-	irrigation.
ANUMAL IIIIODDA	ID A DY		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN				A
Pig	All stages	SERCHN	P (Animals must keep in dry place or
	1	V		kept in alleviated area and dry bedding (straw) to be provided to young
				animals.
	1	1	4	1st injection at 6 months of age and
			-	2nd injection at 12 months of age
		LUNGLEI	- 2	followed by annual vaccination under
	1	CONGLET	8	vet supervision against FMD.
			4	Reduce concentrate diet up to 5%.
	1	m 800	1	Provide adequate potable water.
		10	4	In present weather conditions
			X	vaccinate against swine fever (Vaccines
		7 5	7	available in State Veterinary Departs)
		Porcine	1	. Culling of positive pigs or piglets.
		Reproductive	- 3	A
		Respiratory		
		Syndrome (PRRS).		1

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Cattle	All age group		♣ In present weather conditions, special
Cattle	1111 ago 910ab		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	7.1	1	wounds followed by application of
		7	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	(feed
)	PV 3	Provide 10-30 ml of vitamin B-Complex
	(1 1	in feed
	Y		⁴ 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1st injection
		20	followed by annual vaccination under
	MAMIT		
	J. Instanta	\	vet supervision.
	3.	Z AIZAWIL I	Separate sick animals.The animal should be washed with
			lukewarm water added with little
	1	7 3	
	160	3 6 6	potash (KMnO4) or neem leaves.
	- /		Long hair near the
	1 6		udder/stomach/back legs should be
D 14	A11		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
	1	V~ 1	drugs to poultry.
	1		Proper ventilation of shed.
			Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	16	William Service	birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3		Provide broad-spectrum antihelminthic
	. /	-73	drugs under vet supervision and
		11 (~	recommended doses.
			Vaccination as per the schedule with
		1 9 8	proper consultation with vet.
			Day old chick: HVT Marek disease
		-5	vaccine, 4-7 days: ¬F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
		(fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			♣ Remove wet litter.
		6	

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FISHERY Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond 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 fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT 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. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y .	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AMIT (

Collaborating Department:

		(
Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	V	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

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LAWNGTLAL

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District: Mamit Period: 18 April - 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/Mizo

		Pro-			
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
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Min Temp (°C)	18	18	18	18	19
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Max RH (%)	98	99	99	100	99
Min RH (%)	29	38	64	64	62
Wind Speed (KmpH)	3	4	4	3	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

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

Aizawl- 8.42 mm

Champhai- 9.28 mm

Saiha- 11.37 mm

Kolasib- 10.51 mm

Date of issue: 17th April, 2018

(4.20mm)

(5.10mm)

(3.60mm)

(10.80mm)

Lawngtlai-7.84mm (3.40mm)

Lunglei-6.35mm (4.10mm) Mamit-8.21mm (8.30mm) Serchhip-6.37mm (5.20mm)

Weather summary of the past three days

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):19°C Maximum RH (%):91-99% Minimum RH (%):48-64%

Wind Direction: Southeasterly Cloud cover: Partially clear

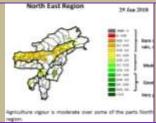
Wind speed: 2-3 km/hr

Rainfall: 42.6 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 29-64% 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: 103.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	375	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
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 keh tur lakah t a veng thei ani.
PEACH	1	5	Ken tar lakan ta veng theram.
	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.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAL	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	W. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	, J	7/	4 A thlai vennan a rah tlai ho chu paih vek
	2 MAMIT		tur ani.
	J. Instanta	\	Hmun dam lutukah dah loh tur.
	7	Z AIZAWL Z	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1	2	Lak a mawi tur am. Line Chuan hei hian kah tur ani. Quinalphos 25
	160		EC @ 340 ml/200 lit emaw lamda
	- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		~	robusta cherry 11.0 %.
	Α	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
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		→ Vaimim chinna tur atan lei kan let
Rabi Maize	A chin hun	7	-7
			phut darh anga.
	(C Se V	Hei hian a rawn to chhuah na tur atan
		2	a pui dawn a ni.
	10) 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.
		SAINA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			4 A chi tuh hma in lei leh FYM @5-10
		0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 1 1	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	1	wy)	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
10111400	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	500	ani. Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
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.
			Likhlum 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

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

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		♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tui
		ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani.
Preve meas	C V	
16	4 th weeks	♣ Coccidiosis - Amprolium or coccidiostat
	4-5 th Weeks	A Disconsistance of the Control of t
FISHERY	(AIZAVVL	CHAMPAI }
Monito (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 di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tudang 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, dilturenfiah 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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Expert committee members:

Dr. S.B. Singh		Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	1:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	M	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the KVK	Ì	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

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District: Saiha Period: 18 April – 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/English Date of issue: 17th April, 2018

		P	4		
Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	0	17	15	4	3
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Partially clear				
Max RH (%)	85	95	97	99	95
Min RH (%)	23	29	45	51	44
Wind Speed (KmpH)	4	4	4	3	4
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm

Champhai- 9.28 mm

Saiha- 11.37 mm

Kolasib- 10.51 mm

(4.20mm)

(5.10mm)

(3.60mm) Mamit-8.21mm (10.80mm) Serchhip-6.37mm

Lawngtlai-7.84mm (3.40mm)

Lunglei-6.35mm (4.10mm)

(8.30mm)

(5.20mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):16-17°C Maximum RH (%):94-97% Minimum RH (%):54-71% Wind Direction: Southeasterly

Cloud cover: Partially clear Wind speed: 1-2 km/hr

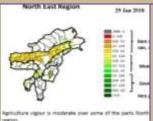
Rainfall: 23.2 mm

Weather forecast valid from 18thApril, 2018 To 22ndApril, 2018.

There are chances of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 32°C and 18-19°C. Maximum relative humidity is expected in the range of 85-97% and minimum may from 29-51%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 39.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries FRUITS CROPS		Diseases	
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
STAR FRUIT		\$7	♣ Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND PEACH	MAMIT	AIZAWL	 loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height. Apply Bordeaux mixture to the plant after pruning. Application of split dose of fertilizer 600: 200:100 (g/pt).
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR			TC 1
COFFEE	Blooming stage	LAWNGTLAUSAIHA	 ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. ♣ Mulching should be done with dry
		112	2 P a g e

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	7	KOLASIB	grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I	PULSE CROPS		Surgui and avia situal
Maize (Jhum)	Sowing stage	SAIHA	Remove all weed plant from the selected place.Keep the plant, leaves and wood for dry.

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		KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one
Rice (Jhum)	Sowing stage	AIZAWL	 month and 25% at flowering stage. Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is

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			applied 30-40 days after transplanting. Provide irrigation if water is require.
	5		 Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		Fruit fly SAIHA	♣ 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.

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Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
		1		spade, harvest all mature tubers.
		3	4	Discard all mother tubers from
	1	V		harvested potato tubers.
		KOLASIB	4	Keep 7 -10 days for drying or reduce
	1	Fa.		the moisture level in shed dry.
	1	W/Y 2	4	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4	Plough the field properly, at least 2-3
_	7	5		times.
		5	4	Mix fertilizer with FYM 50:60:60Kg
	2			/ha.
	J MAMIT	(4	Sow 2-3 seed per whole.
	5	A STANK		Spacing should be 30 X 20 cm.
Okra	Sowing stage	Canesaure 1		Plough the field with the help of spade.
	1)		Sow 2 seed 45 X 45 cm spacing.
	1	()	4	Before sowing seed provide one or two
	1	1 1/2		irrigation.
) 6		+	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEI				
Pig	All stages	SERCHN	P+	Animals must keep in dry place or
		V~		kept in alleviated area and dry bedding
	((straw) to be provided to young
			1	animals.
			-4	1st injection at 6 months of age and
	26	Will Constitute of the Constit	1	2nd injection at 12 months of age
		LUNGLEI	100	followed by annual vaccination under
	3		1	vet supervision against FMD.
		500	1	Reduce concentrate diet up to 5%.
	.7	11 1 2	1	Provide adequate potable water.
	1		1	In present weather conditions
	(1 7 6	3	vaccinate against swine fever (Vaccines
		Destrict	- (available in State Veterinary Departs)
		Porcine	3	. Culling of positive pigs or piglets.
		Reproductive	-	1
		Respiratory		
		Syndrome (PRRS).		1

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Cattle	All age group		4	In present weather conditions, special
				care should be taken against attack of
		1		maggots in the wounds of animals.
	()	1		Application of turpentine oil in the
) \	3		wounds followed by application of
	The state of	KOLASIB		antibiotics for five days is advised.
	1	NULHOID	+	Provide UMB/Molases if possible in the
	1	AA N		feed
	(1 4 /	*	Provide 10-30 ml of vitamin B-Complex
	7			in feed
	1	2 6	+	1st injection at 6-8 weeks of age, 2nd
				injection after 6 months of 1st injection
	3 moure			followed by annual vaccination under
	/ MAMIT	1		vet supervision.
	3	LAIZAWL /	α <mark>.</mark>	Separate sick animals. The animal should be washed with
		2	_	lukewarm water added with little
	1	3		potash (KMnO4) or neem leaves.
	16	1 00	4	Long hair near the
		1 3 3	-	udder/stomach/back legs should be
				teamed short.
Poultry	All age group	SERGON		Provide preventive dose of anti-coccidial
	3 3 1	SERCHH	11	drugs to poultry.
	S S		4	Proper ventilation of shed.
			4	Provide glucose/electral along with
		0.0	-3	vitamin supplements (@5- 6ml/100
				birds) with adequate potable water
		LUNGLEI	1	Avoid overcrowding.
	3		7	Provide broad-spectrum antihelminthic
		500	1	drugs under vet supervision and
	- 7	11	4	recommended doses. Vaccination as per the schedule with
			X	proper consultation with vet.
		100	8	> Day old chick: HVT Marek disease
	,	1 5 3		vaccine, 4-7 days: ¬F/Lasota, 14-18
		1	8	days: Intermediate plus/IBD
		Language and		vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN		weeks: Chicken embryo adopted
		# SAIHA		fowl pox vaccine and 56-70 days:
			Contract of	RD R-2B strain.
		A S	4	Remove wet litter.
		60	10	

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FISHERY Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT 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. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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Expert committee members:

Dr. S.B. Singh		Joint Director	<u>basantasinghsoibam@rediffmail.com</u>	
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com	
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com	
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com	
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	<u>viensky2@gmail.com</u>	
Dr. Dr. V. Dayal):	Scientist (Horticulture)	Vishambhai5009@gmail.com	
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com	
Mr. Evans Syiem	ı.	Meteorological Observer	evansmeteo@gmail.com	

Collaborating Department:

MAXIMUS

		(
Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	V	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 18 April – 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/Mizo

Date of issue: 17th April, 2018

Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
Rainfall (mm)	0	17	15	4	3
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Partially clear				
Max RH (%)	85	95	97	99	95
Min RH (%)	23	29	45	51	44
Wind Speed (KmpH)	4	4	4	3	4
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm

Champhai- 9.28 mm

Saiha- 11.37 mm

Kolasib- 10.51 mm

(4.20mm)

(5.10mm)

(3.60mm)

(10.80mm)

Lawngtlai-7.84mm

Lunglei-6.35mm

Mamit-8.21mm

Serchhip-6.37mm

(3.40mm)

(4.10mm)

(8.30mm)

(5.20mm)

Weather summary of the past three days

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):16-17°C Maximum RH (%):94-97% Minimum RH (%):54-71% Wind Direction: Southeasterly

Wind Direction: Southeasterl Cloud cover: Partially clear

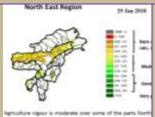
Wind speed: 1-2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin of 85-97% leh a hniam lai berin 29-51% 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: 23.2 mm

Weekly cumulative rainfall: 39.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		E	# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	(MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	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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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	la la	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(U. C	♣ Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		3	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 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACT OF THE CONTRACT O	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		600	Weigning things then the let less let
Rabi Maize	A chin hun	17	→ Vaimim chinna tur atan lei kan let
)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	V	2 1 3 3	a pui dawn a ni.
		3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		N N	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	2	W)	♣ Lei rih vur hian thlai kung te a veng ve
and black	3		ani. ♣ Thlasik lai a lei khoro lutuk tur ven
gram cultivation in	f		nan a chungah hnim leh thildanga
rice fellow	3 MAINIT		khuh tur ani.
Potato	Sowing stage	100000	Muangchang loving alu chin na tur
	5	(AIZAWL)	chu buatsaih vat tur ani.
	1	1	Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.
	1	3 6 6	Lei leh hmain a hmun hma chu fai
	1	1 3 1	taka thlawh hmasak tur ani.
	15		A chi thlak hma in a chi chu en fiah hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
	1	V	tui pek thin tur ani.
VEGETABLE CR			
Tomato	Bacterial		Tomato bikah chuan sik leh sa hi
	Blight disease	MINISTER	natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk
		LUNGLEI	hmunah chuan natna an kai hma bik
	1		ani.
	5	n ?~~	Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb
		9\	(a) 2 gm hi tui liter 1 ah pawlh a kah
		1701	tur ani .
Early Cole	Black spot	1 63 4	4 A than a that theih nan nikhat danah
crop	disease		tui pek thin tur ani. 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

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

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

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	J	+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Prev	ventive 0-3 r	d week	Ranikhet Disease- an pian atanga ni
	asures	WOOM	1-6 ah F1 vaccine pek tur ani a, chuan
11100	254105	22	a puitlingh chuan R ₂ B vaccine pek tur
	1		ani.
	1	4	B complex with antibodies
	4th	weeks +	Coccidiosis- Amprolium or
i	2		coccidiostat
	4-5 th	Weeks +	Calcium tonic fortified with B ₁₂
FISHERY	1 AIZ	AWA CH	AMPAI:
	oring	4	Sangha te hi chaw a hmuar kai lo
Monit		1	chauh pek thin tur ani. Sangha chaw a
(Sangl		a l	lo hmuar anih chuan pek hma in ni sa
enkaw	71)		a phoro phawt tur ani.
		- Y	Sangha chaw hi a hmuar lohna turin
	1)		hmun ro leh uap lutuk lo ah dahthat
		SERCHNIP	tur ani a, hmuar atang a tur lo inseam
	l V	1	thin, aflatoxin avang a sangha thi lak
	S		atangin sangha a him phah thin.
	4	4	Dil sah kang veka sangha man thin
	1	-	hian a kumleh a sangha khawinan a dil
	LUNGLE	1	buatsaih a ti awlsam a, dil mawng
	2 2000	7	phoro, chinai phul, leitha hman leh tul
	- 7	-	dang in dil buatsaih tur ani.
	7 17	1	Sangha te natna lak atangin an him em
		1	tih enfiah fo a tha a, natna hmuh anih
	(log	25	chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
	6	13	A ranglam a chinai @50kg/ha leh
	1		tuisen @1.5mg/l diltui a hman hian
		1	sangha natna avang a thi tur lak
	LAWNG	TLAL	atangin a veng thei.
		SAIHA	www.gar a rong tiron
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		(1)	2
	N D	1	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the KVK	Ì	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 18 April – 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/English

Date of issue: 17th April, 2018

Parameters	18.04.2018	19.04.2018	20.04.2018	21.04.2018	22.04.2018
	10.04.2010			21.04.2010	22.07.2010
Rainfall (mm)	4	18	19	7	6
Max Temp (°C)	30	30	30	30	31
Min Temp (°C)	15	15	15	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	95	97	100	100	99
Min RH (%)	29	35	52	60	48
Wind Speed (KmpH)	4	3	4	2	2
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm Champhai- 9.28 mm Saiha-

Saiha- 11.37 mm Kolasib- 10.51 mm

(4.20mm)

(5.10mm) (3.60mm)

(10.80mm) Serchhip-6.37mm

Lawngtlai-7.84mm (3.40mm)

Lunglei-6.35mm (4.10mm)

Mamit-8.21mm (8.30mm)

(5.20mm)

Weather summary of the past three days Maximum Tem. (°C):27-29°C

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):15-16°C Maximum RH (%):85-97%

Minimum RH (%):44-62% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 15°C.

the next 5 days may range for 30-31°C and 15°C. Maximum relative humidity is expected in the range of 95-100% and minimum may from 29-60%. Wind direction would be easterly with the wind speed of 2-4 km per hour.

Weather forecast valid from 18th April, 2018 To

22ndApril, 2018.

Partially clear sky will prevail during the next five days.

Rainfall: 45.0 mm

NDVI for Mizoram

Weekly cumulative rainfall: 54.0 mm

North East Region 29 Jan 2016

See 2

Mildly dry condition occurs in all districts of Mizoram.

Main Crop/

Stage

Cultural

Agricultural / Horticultural / animal

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			,
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	♣ According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
STAR FRUIT	}	1	 Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND PEACH	MAMIT	AIZAWL	loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two
			crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
	8	SERCH	♣ Application of split dose of fertilizer 600: 200:100 (g/pt).
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	OP		
COFFEE	Blooming stage	LAWNGTLAUSAIHA	 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve
		6 1	210000
			2 P a g e

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	7	KOLASIB	soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAVA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full
CEREALS AND I	PULSE CROPS Sowing stage	LAWNGTLAL	size, develop attractive colour with optimum sugar and acid blend. Remove all weed plant from the selected place. Keep the plant, leaves and wood for
			dry. Burn it when it will be dry.

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Rice (Jhum)	Sowing stage	KOLASIB	 ↓ Open a furrow with the help of chimkhawi. ↓ Keep 4-5 seeds a hole. ↓ Distance should be maintain 60 cm from plant to plant. ↓ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ↓ Remove all weed plant from the selected place.
VEGETABLE CR	OP	AIZAWL	 Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting.

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			Provide irrigation if water is require.
			Low temperature and high humidity
			influence the population of onion trips.
		/	♣ Apply any systemic insecticide 1.5
	7	2	ml/lt of water.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
•	fruiting stage	KOLASIB	regularly to keep the crop free from
		Fa S	weeds and aeration of the root system.
	1	7	Harvest all mature fruits.
)		Provide irrigation if water is require.
	1	5 6	♣ Apply any systemic insecticide to
	1		reduce damage of chilli thrips.
Brinjal	Fruiting to		According to forecast and past weather
	flowering	1	record, there is no probability of
	stage	Z AIZAWL I	rainfall. So weekly twice irrigation is
	1		required for upcoming week or use
	1	1	straw mulch reduces soil water loss.
	1	6 6 6	Harvest all mature fruits.
	1		4 Apply split dose of nitrogenous
			fertilizer to the plant.
	1		Fruit and shoot borer attack will mare
		SERCHH	in dry weather. Apply any systematic insecticide for better cure.
	1	V	Harvest all mature fruit.
			Seed must be keep for next rabi
			season.
Chilli	Vegetative to		According to forecast and past weather
	flowering	LUNGLEI	record, there is no probability of
	stage	H1000000000000000000000000000000000000	rainfall. So weekly twice irrigation is
	Stage	yes,	required for upcoming week or use
	5	n ()	straw mulch reduces soil water loss.
			🖊 Harvest all mature fruits.
	((by se)	4 Apply split dose of nitrogenous
			fertilizer to the plant.
		-3	♣ Mature fruit should be harvested and
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		LAWNGTLAN	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
		# SAIHA	fortnightly intervals at flowering and fruit
		1	initiation.
Potato	Harvesting	A. A.	If the leaves and plant became dry it
		200	means plant ready for harvesting.
		1145	5 P a g e

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	stage		♣ Open the furrow with the help of
			spade, harvest all mature tubers.
		1	Discard all mother tubers from
	1	1	harvested potato tubers.
	1 1	3	♣ Keep 7 -10 days for drying or reduce
		KOLASIB	the moisture level in shed dry.
		Thomas -	Keep 25% seed for next season sowing.
Cowpea	Sowing stage	AA N	♣ Plough the field properly, at least 2-3
	(3 1	times.
	7		♣ Mix fertilizer with FYM 50:60:60Kg
	1	2	/ha.
			Sow 2-3 seed per whole.
01	O . A CARRACT	()	Spacing should be 30 X 20 cm.
Okra	Sowing stage	1	Plough the field with the help of spade.
	7.	Z AIZAWL Z	Sow 2 seed 45 X 45 cm spacing.
			Before sowing seed provide one or two
	1	1	irrigation.
ANIMAL HUSBE	AND A DV	10 00 07	Provide fertilizer @ 120: 60: 60 Kg/ha
		V K	Animala must Izaan in day place or
Pig	All stages		Animals must keep in dry place or kept in alleviated area and dry bedding
	1		(24,222) 42 12 2223424 42 22222
		SERCHN	animals.
		V Long	♣ 1st injection at 6 months of age and
	-		2nd injection at 12 months of age
			followed by annual vaccination under
			vet supervision against FMD.
		LUNGLEI	Reduce concentrate diet up to 5%.
		PARTY	♣ Provide adequate potable water.
	100	year.	☐ In present weather conditions
	h	m ?	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
	(Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	A.
Cattle	All age group	LAWNGTLAL	♣ In present weather conditions, special
		SAIHA	care should be taken against attack of
		(()	maggots in the wounds of animals.
			Application of turpentine oil in the
			wounds followed by application of
	I .	P 1	ZID
			6 P a g e

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			antibiotics for five days is advised.
			Provide UMB/Molases if possible in the
			feed
		1	Provide 10-30 ml of vitamin B-Complex
	1. 1	5	in feed
		()	¹ 1st injection at 6-8 weeks of age, 2nd
	1 3	KOLASIB	injection after 6 months of 1st injection
	(followed by annual vaccination under
)	PW 3	vet supervision.
	(1 1	Separate sick animals.
	3	1000	The animal should be washed with
	1	()	lukewarm water added with little
	J		potash (KMnO4) or neem leaves.
	MAMIT		Long hair near the
	Z. 1000000	1	udder/stomach/back legs should be
	1	(AIZAWL)	teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
	ugo group	()	drugs to poultry.
	1	129	♣ Proper ventilation of shed.
) 0	~ / 3 ×	♣ Provide glucose/electral along with
	100		vitamin supplements @5- 6ml/100
		SERCHN	birds) with adequate potable water
		(SERONN	4 Avoid overcrowding.
	V.		♣ Provide broad-spectrum antihelminthic
			drugs under vet supervision and
			recommended doses.
			♣ Vaccination as per the schedule with
		LUNGLEI	proper consultation with vet.
	3		➤ Day old chick: HVT Marek disease
	100	555	vaccine, 4-7 days: ¬F/Lasota, 14-18
		17 (~	days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7
	()	19 7	weeks: Chicken embryo adopted
	1		fowl pox vaccine and 56-70 days:
		3	RD R-2B strain.
FIGHEDY		A TOTAL PROPERTY OF THE PARTY O	♣ Remove wet litter.
FISHERY	3F 11 1 1	LAWNGTLAN	
	Monitoring of	# SAIHA	4 Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
		1	the fungal growth is observed in fish
		00	feed, the feed needs to be sundried for
		11 1	7 P a g e

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few days prior to feeding. **♣** Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. KOLASIB ♣ 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 MAMIT 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. LAWNGTLA SAIHA 8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AMIT)	

Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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Phone: +91 3837 220041, Fax: +91 3837 220560,



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District: Serchhip Period: 18 April - 22 April, 2018

Bulletin No: - 785/2018/ Bulletin/Mizo

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Max RH (%)	95	97	100	100	99
Min RH (%)	29	35	52	60	48
Wind Speed (KmpH)	4	3	4	2	2
*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- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 8.42 mm Champhai- 9.28 mm **Saiha- 11.37 mm** Kolasib- 10.51 mm

(5.10mm)(3.60mm)(4.20mm)

(10.80mm)

Date of issue: 17th April, 2018

Serchhip-6.37mm Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm (8.30mm)(3.40mm)(4.10mm)(5.20mm)

Weather summary of the past three days

18th April – 22nd April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):15-16°C Maximum RH (%):85-97% Minimum RH (%):44-62% Wind Direction: Southeasterly Cloud cover: Partially clear

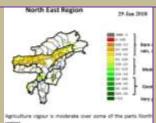
Wind speed: 2-3 km/hr

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 15°C ni tura beisei a ni. RH san lai berin 95-100% leh a hniam lai berin 29-60% 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: 45.0 mm

Weekly cumulative rainfall: 54.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	(MAMIT	AIZAWL }	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\)	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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

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

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

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		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	*	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	ventive easures	week +	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	4 th we		Coccidiosis- Amprolium or coccidiostat
	4-5 th W		Calcium tonic fortified with B ₁₂
FISHERY	CAIZAV	WE GH	AMPAI }
Moni (Sang enka			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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Expert committee members:

Dr. S.B. Singh		Joint Director	$\underline{basantasinghsoibam@rediffmail.com}$	
Dr. Saurav Saha	٧:	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com	
Dr. A. Ratankumar Singh		Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com	
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com	
Mr. P.L. Lalrinsanga		Scientist (Aquaculture)	viensky2@gmail.com	
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com	
Dr. Samuel Lalliansanga		Head & Sr. Scientist	samuelpachuau10@gmail.com	
Mr. Samik Chowdhury		Technical Officer	samikchowdhury33@gmail.com	
Mr. Evans Syiem : Me		Meteorological Observer <u>evansmeteo@gmail.com</u>		

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		Dr. Lalmuanzovi He <mark>ad & Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

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Phone: +91 3837 220041, Fax: +91 3837 220560,