

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 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/Mizo

Date of issue: 17th June, 2016

			The state of the s		
Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	10	15	10	5	3
Max Temp (oC)	30	29	30	30	30
Min Temp (oC)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	96	96	97	96	96
Min RH (%)	67	68	62	64	63
Wind Speed (KmpH)	5	4	4	4	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 MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

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

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

Ni thum kaltha sik leh sa dinhmun tlangpui June 18, 2016 atanga June 22, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 29-30°C a ni ang a.A vawh lai ber in 23°C ni tur ah beisei a ni.RH san lai berin 96-97%leh a hniam lai berin 62-68% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 4-5 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

NDVI for Mizoram

North East Region

North East Region

North East Region

NDVI of soil moisture for Mizoram is moderate wet condition.

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Thlai/ ran
/sangha

Agricultural/Horticultural/ animal husbandry atana thurawn

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		hrik awm thei te		
Serthlum	Nursery stage		4	A chi: A chi chu lakchhuah anih
		5		veleh nurseey ah a thuk zawng 1.5-
	1. 1	3		2cm leh 10X5cm a inhlat a chin tur.
	1	j i		A rawn chawr chu polythene bag ah
		KOLASIB		hnah 4-6 a neih hunah phun sawn
	T. I		No.	tur.
) (4)	3	+	Nursery chu rannung leh a
	\$	2 1		damlohna dang laka ven nan ser
	∮			huan atanga meter 500 a hla ah dah
	1		_	tur.
			-	Lei, balu leh bawngek leitha chu a
	J' MAMIT	V)	_	inzat theuha pawlhin pek tur.
	5	AIZAWL CHAM	PAI	Bawngek leitha chu thlai pakhat ah
		Ville III	0.000	600:200:100g a pek tur.
		}	*	Certified thlai chi chauh hman tur.
	λ,		-	Ser kung bula tuitling chu paihfai
		1 3 5		vek tur.
			-	A tiak inchen tlang chauh phun atan
	12	2		hman tur.
		SERCHHIP (-	A zar tliak leh hnip chu paih fai zel
		Yes the second	4	tur. Thlai chu hrisel taka enkawl tur.
Oil palm	Vegetative	No. of the	-	Oil palm kung bul chu tihfai a a zar
On pain	stage		1	thlak bawk tur.
	7	Marie and	4	Leitha chu thlai pakhatah
	/ 1	UNGLE!		600:200:100g a pek tur.
	1	7	4	Heng micro-nutrients zinc, copper,
	Lance Lance	8~		manganese, iron, boron leh
	1.)			molybdenum te hi an mamawh
				tawka pek tur, a huan pum a chhiat
	>	1 5 \ 1		vek loh nan ven that bawk tur.
			4	Oil palm rah chu a puitlin hunah te,
	1			a rawng inthlak hunah leh a thlum
	1	AWNGTLAN		leh thur a pai tam hunah seng tur
		F SAIHA	4	Oil palm kung bul chu tihfai a a zar
	43(-		thlak bawk tur.
			4	Leitha chu thlai pakhatah
		0		600:200:100g a pek tur.
	()	7 N. P.		2 P a g e

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3 | P a g e

			-	Heng micro-nutrients zinc, copper,
				manganese, iron, boron leh
				molybdenum te hi an mamawh
	7.7	/		tawka pek tur, a huan pum a chhiat
) \			vek loh nan ven that bawk tur.
		to my a min	4	Oil palm rah chu a puitlin hunah te,
	1	KOLASIB		a rawng inthlak hunah leh a thlum
	1 60		-	leh thur a pai tam hunah seng tur.
Balhla	Flowering stage	A /	4	Balhla kung bul chu tihfai a a zar
Dama	Flowering stage		_	thlak bawk tur.
	1	7 5	4	Leitha chu thlai pakhatah
			-	600:200:100g a pek tur.
	S	(-	O 1
) MAMIT	V. I	_	Heng micro-nutrients zinc, copper, manganese, iron, boron leh
	7	AIZAWL CHAM	PAL	, ,
		2		molybdenum te hi an mamawh
	1	3		tawka pek tur, a huan pum a chhiat
),			vek loh nan ven that bawk tur.
		1 3 1	-	A zar thlak ngun hian rannung leh
				natna lakah a veng a, chubak ah
	11			leitha a hek lova, thlai thar a ti tam
		SERCHHIP (bawk ani.
		(V) (Long)	•	A rah chu a puitlin hunah leh a
	<u></u>			rawng eng a nih hunah seng tur.
		Comb weevil and		Application of 60 to 100 g of neem
		stem weevil		seed powder or neem cake at planting
	\ L	UNGLEI P		and then at 4 months intervals
	3	ſ		significantly diminished pest damage
				and increased yields.
Sapthei	Transplanting		-	A chi chu a rah hmin tha atanga lak
	stage	1 (ni se, ni 15-20 hnuah nursery siam
	A.	901)		tur.
			-	A hnah 2/3 a rawn awm tan hnu ah
	4	3		polythene bag ah phunsawn tur.
			-	Polythene bag atangin thla ¾ hnu ah
	1	AWNGTLAN	-	huan ah phun sawn leh tur.
		f SAIHA	+	Bawngek leitha chu khur khat ah
	2.4	() ()		15g leh NPK 100:50:100g in
		50		kumkhat chhungin pek tur.
	(2)	1		

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4 | P a g e

Lakhuihthei	A par lai		4	A par chhuah hma nan chemical
	•			(Ethrel 10ppm+2% urea+0.04%
				sodium carbonate) chu pek tur. Tlai
				ah emaw thlaiin hnah 32 a neih
	3 1	2		hunah pek tur.
	PJ		4	
		KOLASIB		Chemical pek atangin ni 55-60
	4 1.	06	-	chhungin a par a chhuah thei ang.
) [7	-	Leitha chu thlai pakhat ah 60:50:60g
	3	2 (_	a pek tur.
	 	57774	-	Thlai hnah leh a zar thi te chu
				paihfai a, hnim te tihfai bawk tur.
	1	Corm borer	+	Carbofuran 3G chu hectare khatah
) MAMIT	(1.5kga.i a pek tur. Hemi hi a zung
	(Larry Journ	100	ah a tuina hnuhma a awmin pek tur
Cucurbitaceous	A rah lai	Culearar Tellam	1	Ni 7 danah tui chu tha taka pek
crops	\ \	5		tur.
	\		4	Huan zau thamah chuan fruitfly
	1			leh pumpkin beetle ven nan
) ~			carbaryl 0.2% leh malathion
	1)			0.15% chu chini tui litre khatah
		_ SERCHHIP /		10g a pawlhin kar khat danah
		(Schoning		leh a par tan tirhah leh a rah
		1000		tan hunah kah tur.
		also also	+	Thlai pakhatah a par nasat lain
			1	urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a	4	A kung bulthut ah hnim chheh
	\ 1	tui tlem pek tur.	_	darh tur.
		2. Phunsawn hnuah	*	A khat tawkin tui pek tur.
		tui tha taka pek tur.	-	A tiak phunsawn te chu nil eh
			-1-	ruah lakah hliahkhuh tur.
French bean	A par lai		+	Bean hnah, a tang ro leh hnim
	()	9 6 1		te chu paihfai vek tur.
			-	Lei chu boruak kal that nan
	1	3		laihphut thin tur.
	1	3	*	A chin atanga ni 20-25 ah bean
	1	AWNGTLAL		kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan	/ SAIHA	4	Balu leh leitha chu lei nen a
DawnJawii	A CHIH UAH	1	-	chawhpawlh hnu in 75-100cm a
		L C		zau ah a phunna tur siam tur. A
	-63			zau an a phumia tur siam tur. A

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				chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih
	1/2	3	4	tur. A chi chu 5cm a inhlat a tuh in
Tomato	A chin dan	KOLASIB	4	lei pangngai a vur leh tur. Nursery tur chu lei dip tha darh
	1		-	leh tlema pawng tur (0.8m a zau
	("	3 1	-	leh 15cm a sei ni se).
	}	55	*	Leitha 10kg leh bawngek leitha 15:15:15 leh carbofuran 2.5g
Buh	Nursery stage	Pre kharif rice	4	chawhpawlh pek tur. A chi tha leh khat tha chauh
Dun	MAMIT	The Middle file	_	hman tur.
	{	AIZAVIL CHAM	PAT	Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.
	1	\$	4	Bavistin 50WP @0.1% chu tui
	1	1 1/3		litre khatah 2g a pawlhin a chi
	100	- V V \		chu chiah tur.
))	Raised bed method	+	A chin na tur chu 10m a sei ni
		SERCHHIP (se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei
	N.	V (-)		hian a chi kal ral mai mai tur a
		Se da		veng.
	J		+	Leitha pek hnu ah a chi
		UNGLET S		damdawi a chiah te chu theh tur.
Vaimim	A chin dan	Lindge El	4	Lei chu vawi 2/3 laihphut phawt
	1	~ /		tur.
	10		4	A chi chu a line indawt a chin
	V		4	tur A chi chu kg khatah Thiram 4g
):	7 ()	_	a chiah tur.
		73 Y	4	Hectare khatah buh chi chu 20-
	1	4		25kg hman tur.
	\ \	AWNGTLAL	+	Bawngek leitha chu hectare
	Y	₹ SAIHA		khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim
	3.1	F		chin hma in lei nen tihpawlh
		in the		tur. Nitrogen chu a dose chanve
				5 P a g e

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			in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah
		/	pek tur.
Sawhthing leh Aieng	Land preparation	KOLASIB	Thlai hnah, a tang ro leh hnim te chu paihfai vek tur.
	/)	NOTEROIDS A	♣ Lei chu boruak kal that nan
	1 10	1	laihphut thin tur.
	/ ~	7 2 1	♣ Nitrogen leitha chu an mamawh
	>		taw kanga pek tur.
	1	Thrips	Roger emaw Monocrophos chu
	1		tui litre khatah 2.5ml a pawlhin
	-	1	kah tur.
	J MAMIT		7
	5	Scales CHAM	♣ Quinalphos emaw
		Non-trans	Monocrotophos chu tui litre
		j)	khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine	1. A natna vei vawk te chu thah a
	1	Reproductive	phum tur a ni.
	1	Respiratory	5
))	Syndrome (PRRS).	
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine
	1		pek tur a ni a, he vaccine hi thla
	l l		ruk emaw kumtluanin pek
		35% 14	chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth	• Thla16 a upa an rih in FMD
		Disease (FMD)	vaccine pek tur a nia, thla 6
	\ L	UNGLEI	danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	Black Quarter Vaccine (BQ)
	1	E 23	🖊 Thla ruk an tlin hunah
	7.0		vaccine lak tan tur.
	V	1 (Kumkhat hnu ah vaccine
	(pek leh tur.
Ar	Kumtluanin (Ranikhet Disease.	1. Ar note an pian hlimin F_1 vaccine
	(4))	pek tur a nia an puitlin hunah
			R ₂ B pek leh tur a ni.
	1	Coccidiosis	2. Amprolium emaw coccidiostat pek
		P SAIHA	tur.

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District: Lunglei Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

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10	3	3

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Rainfall (mm)	15	15	10	3	3
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Min Temp (°C)	23	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	98	99	98	98
Min RH (%)	67	70	63	66	64
Wind Speed (KmpH)	3	2	2	3	3
*Wind Direction	E	E	E	S-E	E

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Champhai- 239.49mm **Aizawl- 383.68mm**

Saiha- 109.52 mm

Kolasib- 352.38mm

(341.8mm)

(250.30mm)

(87.2mm)Mamit-449.48mm

(380.9mm)Serchhip-411.72mm

Lawngtlai-321.51mm (285.5mm)

NDVI for Mizoram

Lunglei-344.00mm (186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

The temperature range for maximum and minimum were 26.3-31.5°C and 19.4-21.5°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 90-99% & minimum of 74-90%. Rainfall recorded for the past three davs 20.30mm. (Source-NICRA, AWS)

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

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 29-30°C and 23°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 63-73%. Wind direction would be easterly to southeasterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 46.0 mm

NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. Potting mixture of soil, sand and FYM or compost should be in proper ratio. Application of split dose of fertilizer 600: 200:100 (g/pt). Only certified seed should be used. Stagnation of water in beds should be avoided. Seedling of uniform height should be selected for planting. Hooked or bench rooted plants should be discarded. Plant protection measures should be followed.
Oil plam	Vegetative stage	LUNGLEI	 Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Flowering stage	LAWNGTLAL	♣ Clear near base of the plant and cut

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		KOLASIB	 Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
	MAMIT	Comb weevil and stem weevil	Application of 60 to 100 g of neem seed powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields.
Passion Fruit	Transplanting	LUNGLEI	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	LAWNGTLAI	 ♣ Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. ♣ The flowering emergence will come out

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			wood noon to the plant
Colocasia	Vogototica		weed near to the plant.
Colocasia	Vegetative		Remove unwanted plant near base of the plant and cut dead branches.
	stage		
	3 /	1	
		V commence	with split doses of fertilizer.
		KOLASIB	♣ Proper drainage is required to avoid water
	1	/ C	logging. Mulching with black polythene is found
	/	" A 1	beneficial for both reducing the weed and
	7		increasing the yield.
		Corm borer	Carbofuran 3G @1.5 kg a.i./ha applied in
		Corni borer	root zone when egg laying ooze is observed
	S MAMIT		at plant base.
Cucurbitaceo	Harvesting	The second	♣ In large gardens apply carbaryl 0.2 per cent
us crop	stage	AIZAWL	or malathion 0.15 per cent suspension
us crop	stage	4	containing sugar or jeggery at 10 g/l at
	\.	\$	fortnightly intervals at flowering and fruit
	1	120	initiation against fruit fly and pumpkin
) (beetle.
			♣ Harvest all mature fruit.
Okra	Vegetative	SERCHH	Remove unwanted plant near base of the
	stage	W L	plant and cut dead branches.
			♣ Earthing up soil at base of the plant along
			with split doses of fertilizer.
	A Part of the Part		Proper drainage is required to avoid water
		COMPLET	logging.
Cowpea	Vegetative	- Strong and I	Remove unwanted plant near base of the
	stage	0	plant and cut dead branches.
	3	Α (~	Earthing up soil at base of the plant along
			with split doses of fertilizer.
		900	Proper drainage is required to avoid water
		() \	logging.
		()	Mulching with black polythene is found
		1	beneficial for both reducing the weed and
Duta ta 1	T01	LAWNGTLAL	increasing the yield.
Brinjal	Flowering	A SAIHA	1
	stage		plant and cut dead branches.
			Pre emergence application of Basalin

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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)



		@0.5 ml/lit of water for reduce grass type
		weed.
	The state of the s	↓ Mulching with black polythene film
	1.7	reduces weed growth, increases the crop
	1	growth.
		Split dose of fertilizer application @
		50kg/ha urea.
Rice	Transplanting	♣ Land preparation is done by ploughing,
	stage	harrowing, and levelling the field to make
		it suitable for crop establishment.
	1	♣ Ploughing should be done 3-4 weeks prior
		to sowing.
	} MAMIT	Select disease free seedling with 3-5 leaf
	2 Same	stage
	3	Treat seedling with Bavistin 50 WP @
		0.1% (2 g/lt) solution.
	1	♣ After ploughing, harrowing the field should
	\ \	be done twice, with one week gap between
) (the two. First harrowing should be done
		after 1 week of ploughing. The second
		SERCHHP / harrowing should be done across the first
		harrowing.
	1	↓ Under good management and adequate
		nitrogen levels, the optimum spacing for
	J.C.	rice varieties should be around 20x15 cms
		both for kharif and rabi arons
	\ \	Transplanting two to three seedlings per
	T.	hill under normal conditions is enough.
	1	Remove the tip of rice seedling which
		reduces stem borer infestation.
Maize	Vegetative	Remove unwanted plant near base of the
	stage	plant and cut dead branches.
		Earting up of soil along with fertilizer
		mixture.
		↓ Foliar spray of 0.1 % Endosulfan {2 ml (35)
		EC) in litre water} at 30 days after
		germination is very effective against stem
		borer.
Ginger and	Vegetative	Remove unwanted plant near base of the
		5 P a g e

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turmeric	stage	1	plant and cut dead branches. Pre-emergence application of Atrazine (Atratas 50 yrs Cosensis 500 fy) @ of
		KOLASIB	(Atratraf 50 wp, Gesaprim 500 fw) @ of 1.0-1.5 kg a.i ha-1in 600 litre water, Alachlor (Lasso) @ 2-2.5 kg a.i ha-1, Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1, Pendamethalin (Stomp) @ 1-1.5 kg a.i. ha-
	}		 large effective way for control of many annual and broad leaved weeds. ♣ Earting up of soil along with fertilizer mixture.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	AIZAWIL	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	Culling of positive pigs or piglets.
	Adult stage	Swine fever.	P 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

LAWNGTLA

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SAIHA

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District: Lunglei Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/Mizo

Date of issue: 17th June, 2016

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	15	15	10	3	3
Max Temp (oC)	30	29	29	29	29
Min Temp (oC)	23	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	98	99	98	98
Min RH (%)	67	70	63	66	64
Wind Speed (KmpH)	3	2	2	3	3
*Wind Direction	E	E	E	S-E	E

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm

Champhai- 239.49mm

Saiha- 109.52 mm

Kolasib- 352.38mm

(341.8mm)

(250.30mm)

(87.2mm)

(380.9mm)

Lawngtlai-321.51mm

Lunglei-344.00mm

Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Ni thum kaltha sik leh sa dinhmun tlangpui

Khua a lum lai berin 26.3-31.5°C leh a vawh lai berin 19.4-21.5°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 90-99% leh a hniam lai 74-90% ani ang. Ni 3 kal ta ruah tla zatchu chhung 20.30mm (Sourceani.

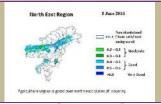
Mosdac.gov.in)

NDVI for Mizoram

June 18, 2016 atanga June 22, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 29-30°C a ni ang a.A vawh lai ber in 23°C ni tur ah beisei a ni.RH san lai berin 98-99% leh a hniam lai berin 63-73%ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-3 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 46.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna	Ag	ricultural/Horticultural/ animal husbandry atana thurawn
		hrik awm thei te		
Serthlum	Nursery stage		4	A chi: A chi chu lakchhuah anih
	1	The state of the s		veleh nurseey ah a thuk zawng 1.5-
		KOLASIB		2cm leh 10X5cm a inhlat a chin tur.
	L 1	The second secon	-	A rawn chawr chu polythene bag ah
) (4		- 65	hnah 4-6 a neih hunah phun sawn
	(1 1	_	tur.
	<i>§</i>		-	Nursery chu rannung leh a damlohna
	1			dang laka ven nan ser huan atanga
	Į.	1		meter 500 a hla ah dah tur.
) MAMIT	()	-	Lei, balu leh bawngek leitha chu a
	5	AIZAWIL CHAM	PA	inzat theuha pawlhin pek tur.
		Sine in a constitution	-	Bawngek leitha chu thlai pakhat ah
		2	-	600:200:100g a pek tur. Certified thlai chi chauh hman tur.
	λ,	3 6 6	-	Ser kung bula tuitling chu paihfai
		1 3 5	-	vek tur.
	1 (~		4	A tiak inchen tlang chauh phun atan
	12	ernemus /		hman tur.
		SERCHHIP	4	A zar tliak leh hnip chu paih fai zel
		Mo they		tur.
		S. 13	4	Thlai chu hrisel taka enkawl tur.
Oil palm	Vegetative		4	Oil palm kung bul chu tihfai a a zar
	stage	menerale S		thlak bawk tur.
	1	LINGLEI	4	Leitha chu thlai pakhatah
	1	- /		600:200:100g a pek tur.
	L. A.	S	4	Heng micro-nutrients zinc, copper,
	1/1/			manganese, iron, boron leh
	()			molybdenum te hi an mamawh
	53			tawka pek tur, a huan pum a chhiat
)	1	-1-	vek loh nan ven that bawk tur.
			-	Oil palm rah chu a puitlin hunah te, a
	11	AVVNGTLAJ	1	rawng inthlak hunah leh a thlum leh
		₹ SAIHA		thur a pai tam hunah seng tur
	2.7	-	-	Oil palm kung bul chu tihfai a a zar thlak bawk tur.
		100	4	
	ς-	1	-	1
	1	4		2 P a g e

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				600:200:100g a pek tur.
			4	Heng micro-nutrients zinc, copper,
				manganese, iron, boron leh
		/		molybdenum te hi an mamawh
	1	X .		tawka pek tur, a huan pum a chhiat
		KOLASIB		vek loh nan ven that bawk tur.
	/)	NULASIBI	4	Oil palm rah chu a puitlin hunah te, a
	1 60	\	-	rawng inthlak hunah leh a thlum leh
	(***	3 4 /		thur a pai tam hunah seng tur.
Balhla	Flowering stage		4	Balhla kung bul chu tihfai a a zar
		7	_	thlak bawk tur.
	J.		4	Leitha chu thlai pakhatah
	> MAMIT		_	600:200:100g a pek tur.
	2 *********	Α	4	Heng micro-nutrients zinc, copper,
	3	AIZAWL CHAM	PAI	manganese, iron, boron leh
	1	3		molybdenum te hi an mamawh
		\$		tawka pek tur, a huan pum a chhiat
	1			vek loh nan ven that bawk tur.
) (. 4	A zar thlak ngun hian rannung leh
				natna lakah a veng a, chubak ah
		_ SERCHHIP /		leitha a hek lova, thlai thar a ti tam
		(~		bawk ani.
	1	100	4	A rah chu a puitlin hunah leh a
		the second		rawng eng a nih hunah seng tur.
	J.H	Comb weevil and	4	Application of 60 to 100 g of neem
		stem weevil		seed powder or neem cake at planting
) r	UNGLEI		and then at 4 months intervals
		- /		significantly diminished pest damage
	No.	E ~~		and increased yields.
Sapthei	Transplanting		4	A chi chu a rah hmin tha atanga lak
	stage	(a a		ni se, ni 15-20 hnuah nursery siam
	3			tur.
	1	200	4	A hnah 2/3 a rawn awm tan hnu ah
	Y .		į.	polythene bag ah phunsawn tur.
	1	AWNGTLAL	4	Polythene bag atangin thla ¾ hnu ah
		≠ SAIHA		huan ah phun sawn leh tur.
	4.0	1	ļ +	Bawngek leitha chu khur khat ah
		- N		15g leh NPK 100:50:100g in
	0			kumkhat chhungin pek tur.
		1 1		3 P a g e

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4 | P a g e

Lakhuihthei	A par lai		4	A par chhuah hma nan chemical
	•		-	(Ethrel 10ppm+2% urea+0.04%
				sodium carbonate) chu pek tur. Tlai
		/		ah emaw thlaiin hnah 32 a neih
) \	2		hunah pek tur.
			4	Chemical pek atangin ni 55-60
		KOLASIB	_	<u> </u>
	4 1	200	-	chhungin a par a chhuah thei ang.
) 10	7 2)	-	Leitha chu thlai pakhat ah 60:50:60g
	5	2 (a pek tur.
	3	Samuel Control	-	Thlai hnah leh a zar thi te chu
				paihfai a, hnim te tihfai bawk tur.
	- E	Corm borer	+	Carbofuran 3G chu hectare khatah
) MAMIT	(1.5kga.i a pek tur. Hemi hi a zung ah
	\$	Access Course	631	a tuina hnuhma a awmin pek tur
Cucurbitaceous	A rah lai	CHIEDRIE CHAIN	4	Ni 7 danah tui chu tha taka pek
crops	1	j)		tur.
	\ \.		4	Huan zau thamah chuan fruitfly
		1 1 5 5		leh pumpkin beetle ven nan
) [~	1 1		carbaryl 0.2% leh malathion
	(1.0)			0.15% chu chini tui litre khatah
		SERCHHIP /	0	10g a pawlhin kar khat danah
		(~		leh a par tan tirhah leh a rah tan
	Name of the last o	Will the State of		hunah kah tur.
		L. J.	+	Thlai pakhatah a par nasat lain
			N	urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a	4	A kung bulthut ah hnim chheh
	\ L	tui tlem pek tur.		darh tur.
		2. Phunsawn hnuah	*	A khat tawkin tui pek tur.
		tui tha taka pek	*	A tiak phunsawn te chu nil eh
- · · ·	1. 10	tur.	-	ruah lakah hliahkhuh tur.
French bean	A par lai		-	Bean hnah, a tang ro leh hnim
	\(\lambda_{\cdots}\)	9 3		te chu paihfai vek tur.
			-	Lei chu boruak kal that nan
	1	3	_	laihphut thin tur.
			*	A chin atanga ni 20-25 ah bean
	11	AWNGTLAY		kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan	SAIHA	4	Balu leh leitha chu lei nen a
Dawknamii	A CHIH UAH	-	. *	chawhpawlh hnu in 75-100cm a
		- Pul		zau ah a phunna tur siam tur. A
	0			Zau an a piruma tur siam tur. A

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				chinna lai chu Blue copper 100g
				tui litre 40 ah emaw
		5		formaldehyde nen a pawlhin leih
	1. 7	/		tur.
	1 1		+	A chi chu 5cm a inhlat a tuh in
		KOLASIB		lei pangngai a vur leh tur.
Tomato	A chin dan	NOENOILI .	+	Nursery tur chu lei dip tha darh
) (3		-	leh tlema pawng tur (0.8m a zau
	(3 1		leh 15cm a sei ni se).
	7	(*	Leitha 10kg leh bawngek leitha
	1	3		15:15:15 leh carbofuran 2.5g
D1-	N	Pre kharif rice	_	chawhpawlh pek tur.
Buh	Nursery stage	Pre knarii rice	-	A chi tha leh khat tha chauh
	7	1	4	hman tur. Tui litre 10 ah chi (salt) 250g
	3	AIZAVVL CHAM	PAL	pawlhin chutah chuan chiah
		3		tur.
		(4	Bavistin 50WP @0.1% chu tui
	4		_	litre khatah 2g a pawlhin a chi
	1 0	1 1 1		chu chiah tur.
		Raised bed method	4	A chin na tur chu 10m a sei ni
		_ SERCHHIP /	Ų.	se, 1.25m a zau leh tui luanna
		(~SERGIAIF		tur 20-30cm a zau siam tur. Hei
				hian a chi kal ral mai mai tur a
		L. A.	l	veng.
			1	Leitha pek hnu ah a chi
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		damdawi a chiah te chu theh
77a i ma i ma	A -1.3 J - 2	UNGLE!		tur.
Vaimim	A chin dan		-	Lei chu vawi 2/3 laihphut phawt
	L.	5		tur. A chi chu a line indawt a chin
	15		-	tur
	12		4	A chi chu kg khatah Thiram 4g a
) 3	7 (1)	_	chiah tur.
		12 4	4	Hectare khatah buh chi chu 20-
	(4)		_	25kg hman tur.
		ANALOG ALAS	4	Bawngek leitha chu hectare
	1	AWNGTLA	1	khatah 5-10t chu 80:60:40kg N,
		SAIHA		P2O5 leh K20 hman tur. Vaimim
		7 1		chin hma in lei nen tihpawlh tur.
		2 1		Nitrogen chu a dose chanve in a
	-			
	1.1	4		5 P a g e

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			chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation	KOLASIB	 Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. Lei chu boruak kal that nan laihphut thin tur. Nitrogen leitha chu an mamawh taw kanga pek tur.
	} MAMIT	Thrips	Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
	\$	Scales CHAM	Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever CHHIP	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	 Black Quarter Vaccine (BQ) Thla ruk an tlin hunah vaccine lak tan tur. Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
	\	Coccidiosis SAIHA	2. Amprolium emaw coccidiostat pek tur.

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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)



Date of issue: 17th June, 2016

District: Mamit Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

	10 M	f 2			
Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	7	3	4	4	7
Max Temp (°C)	31	30	30	30	29
Min Temp (°C)	23	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	98	95	99	96	97
Min RH (%)	67	72	66	72	73
Wind Speed (KmpH)	4	2	2	4	4
*Wind Direction	S-E	S-E	S-E	S	S

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

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

(341.8mm) (250.30mm)

(87.2mm)

(380.9mm)

Lawngtlai-321.51mm

Lunglei-344.00mm

(186.21mm)

Mamit-449.48mm (442.80mm)

Serchhip-411.72mm (25.9mm)

Weather summary of the past

three days

(285.5mm)

The temperature range for maximum and minimum were 26.1-31.4°C and 20.6-24.7°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 86-100% & minimum of 64-94%. Rainfall recorded for the past three davs 84.60mm. (Source-

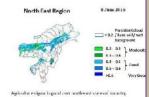
NDVI for Mizoram

mosdac.gov.in)

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

There are chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 23°C. Maximum relative humidity is expected in the range of 95-99% and minimum may from 67-73%. Wind direction would be southeasterly to southerly and northeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 25.0 mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 ♣ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ♣ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ♣ Application of split dose of fertilizer 600: 200:100 (g/pt). ♣ Only certified seed should be used. ♣ Stagnation of water in beds should be avoided. ♣ Seedling of uniform height should be selected for planting. ♣ Hooked or bench rooted plants should be discarded. ♣ Plant protection measures should be
Oil plam	Vegetative	SERCHH	followed. Cleaning near base of the plant and cut
	stage	LUNGLEI	unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Flowering stage	LAWNGTLAI	♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).

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		KOLASIB	 Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
	MAMIT	Comb weevil and stem weevil	Application of 60 to 100 g of neem seed powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields.
Passion Fruit	Transplanting stage	LUNGLEI	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	LAWNGTLAI	 ♣ Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. ♣ The flowering emergence will come out

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			weed near to the plant.
Colocasia	Vegetative		Remove unwanted plant near base of the
	stage		plant and cut dead branches.
	1	1 3	♣ Earthing up soil at base of the plant along
			with split doses of fertilizer.
		KOLASIB	♣ Proper drainage is required to avoid water
	4	1.	logging.
)	(A)	♣ Mulching with black polythene is found
	5		beneficial for both reducing the weed and
		Corm borer	increasing the yield. Carbofuran 3G @1.5 kg a.i./ha applied in
		Corni borer	root zone when egg laying ooze is observed
	S MAMIT		at plant base.
Cucurbitaceo	Harvesting	To the same of the	In large gardens apply carbaryl 0.2 per cent
us crop	stage	A NIZAVIL	or malathion 0.15 per cent suspension
us orop	Jugo	1	containing sugar or jeggery at 10 g/l at
	\		fortnightly intervals at flowering and fruit
		1 1/0	initiation against fruit fly and pumpkin
	1		beetle.
))		Harvest all mature fruit.
Okra	Vegetative	SERCHH	Remove unwanted plant near base of the
	stage	Maria Large	plant and cut dead branches.
	5		Learthing up soil at base of the plant along
			with split doses of fertilizer.
			Proper drainage is required to avoid water
0	**************************************	LUNGLEI	logging.
Cowpea	Vegetative		Remove unwanted plant near base of the
	stage	F %	plant and cut dead branches. Earthing up soil at base of the plant along
			with split doses of fertilizer.
			Proper drainage is required to avoid water
			logging.
) 55 Y	Mulching with black polythene is found
			beneficial for both reducing the weed and
		LAWNGTLAL	increasing the yield.
Brinjal	Flowering	/ SAIHA	
	stage		plant and cut dead branches.
		1	Pre emergence application of Basalin

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		@0.5 ml/lit of water for reduce gra	ass type
		weed.	7.1
		■ Mulching with black polythene	e film
	100	reduces weed growth, increases the	
		growth.	1
		Split dose of fertilizer applicat	ion @
		50kg/ha urea.	
Rice	Transplanting		ughing,
	stage	harrowing, and levelling the field to	-
	000.80	it suitable for crop establishment.	
	1	Ploughing should be done 3-4 week	ks prior
	<u></u>	to sowing.	P-1-01
	> MAMIT	Select disease free seedling with 3	8-5 leaf
	2 minum	stage	
	3	Treat seedling with Bavistin 50	WP @
		0.1% (2 g/lt) solution.	
	1	♣ After ploughing, harrowing the field	should
	1	be done twice, with one week gap b	
) (the two. First harrowing should b	
	1.5	after 1 week of ploughing. The	
		SERCHHP / harrowing should be done across to	
		harrowing.	
	1	↓ Under good management and according to the second ma	dequate
		nitrogen levels, the optimum space	-
	J.G	rice varieties should be around 20x	-
		both for kharif and rahi crops	
	\ \	Transplanting two to three seedling	ngs per
	1	hill under normal conditions is e	
	No.	Remove the tip of rice seedling	_
		reduces stem borer infestation.	
Maize	Vegetative	Remove unwanted plant near base	of the
	stage	plant and cut dead branches.	
		Earting up of soil along with fe	ertilizer
		mixture.	
		↓ Foliar spray of 0.1 % Endosulfan {2	ml (35
		EC) in litre water} at 30 days	
		germination is very effective against	st stem
		borer.	
Ginger and	Vegetative	Remove unwanted plant near base	of the
		5 P	a g e

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turmeric	stage	KOLASIB	plant and cut dead branches. Pre-emergence application of Atrazine (Atratraf 50 wp, Gesaprim 500 fw) @ of 1.0-1.5 kg a.i ha-1in 600 litre water, Alachlor (Lasso) @ 2-2.5 kg a.i ha-1, Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1, Pendamethalin (Stomp) @ 1-1.5 kg a.i. halarge effective way for control of many annual and broad leaved weeds. Earting up of soil along with fertilizer mixture.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	AIZAWIL	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	Culling of positive pigs or piglets.
	Adult stage		P 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
		1 63 4	(

LAWNGTLA

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Min RH (%)	67	72	66	72	73
Wind Speed (KmpH)	4	2	2	4	4
*Wind Direction	S-E	S-E	S-E	S	S

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm

Champhai- 239.49mm

Saiha- 109.52 mm

Kolasib- 352.38mm

(341.8mm)

(250.30mm)

(87.2mm)

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Lawngtlai-321.51mm

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Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Ni thum kaltha sik leh sa dinhmun tlangpui

Khua a lum lai berin 26.1-31.4°C leh a vawh lai berin 20.6-24.7°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 86-100% leh a hniam lai 64-94% ani ang. Ni 3 kal ta ruah tla zatchu chhung 84.60mm (Sourceani.

Mosdac.gov.in)

NDVI for Mizoram

June 18, 2016 atanga June 22, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 29-31°C a ni ang a.A vawh lai ber in 23°C ni tur ah beisei a ni.RH san lai berin 95-99% leh a hniam lai berin 67-73% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 25.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna	Ag	ricultural/Horticultural/ animal husbandry atana thurawn
		hrik awm thei te		
Serthlum	Nursery stage		4	A chi: A chi chu lakchhuah anih
	1	The state of the s		veleh nurseey ah a thuk zawng 1.5-
		KOLASIB		2cm leh 10X5cm a inhlat a chin tur.
	L 1	The second secon	-	A rawn chawr chu polythene bag ah
) (4		65	hnah 4-6 a neih hunah phun sawn
	(8 1		tur.
	<i>§</i>		-	Nursery chu rannung leh a damlohna
	1			dang laka ven nan ser huan atanga
	Į.	1		meter 500 a hla ah dah tur.
) MAMIT	()	-	Lei, balu leh bawngek leitha chu a
	5	AIZAWIL CHAM	PA	inzat theuha pawlhin pek tur.
		Sine in a comme	-	Bawngek leitha chu thlai pakhat ah
		2	-	600:200:100g a pek tur. Certified thlai chi chauh hman tur.
	λ,	3 6 6	-	Ser kung bula tuitling chu paihfai
		1 3 5	-	vek tur.
	1 (~		4	A tiak inchen tlang chauh phun atan
	12	ernemus /		hman tur.
		SERCHHIP	4	A zar tliak leh hnip chu paih fai zel
		Mo they		tur.
		S. 13	4	Thlai chu hrisel taka enkawl tur.
Oil palm	Vegetative		4	Oil palm kung bul chu tihfai a a zar
	stage	menerale S		thlak bawk tur.
	1	LINGLEI	4	Leitha chu thlai pakhatah
	1	- /		600:200:100g a pek tur.
	L. A.	S	4	Heng micro-nutrients zinc, copper,
	1/1/			manganese, iron, boron leh
	()			molybdenum te hi an mamawh
	>			tawka pek tur, a huan pum a chhiat
)	1	-1-	vek loh nan ven that bawk tur.
			-	Oil palm rah chu a puitlin hunah te, a
	11	AVVNGTLAJ	1	rawng inthlak hunah leh a thlum leh
		₹ SAIHA		thur a pai tam hunah seng tur
	2.7	-	-	Oil palm kung bul chu tihfai a a zar thlak bawk tur.
		100	4	
	7		-	1
	1	4		2 P a g e

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				600:200:100g a pek tur.
			4	Heng micro-nutrients zinc, copper,
		2	_	manganese, iron, boron leh
				£ , ,
	7 1			molybdenum te hi an mamawh
	LA)		tawka pek tur, a huan pum a chhiat
		KOLASIB		vek loh nan ven that bawk tur.
	4 ().		*	Oil palm rah chu a puitlin hunah te, a
) 60	5	660	rawng inthlak hunah leh a thlum leh
		2 1		thur a pai tam hunah seng tur.
Balhla	Flowering stage	STORY CO.	+	Balhla kung bul chu tihfai a a zar
				thlak bawk tur.
	1		4	Leitha chu thlai pakhatah
	/ MAMIT	V		600:200:100g a pek tur.
	ξ) and the same		Heng micro-nutrients zinc, copper,
		AIZAVIL CHAN	EN	manganese, iron, boron leh
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		molybdenum te hi an mamawh
	\	5		tawka pek tur, a huan pum a chhiat
	1			vek loh nan ven that bawk tur.
) ~		. 4	A zar thlak ngun hian rannung leh
))			natna lakah a veng a, chubak ah
		_ SERCHHIP /		leitha a hek lova, thlai thar a ti tam
				bawk ani.
			4	A rah chu a puitlin hunah leh a
		The state of	k. T	rawng eng a nih hunah seng tur.
		Comb weevil and	4	Application of 60 to 100 g of neem
		stem weevil		seed powder or neem cake at planting
) r	UNGLEI		and then at 4 months intervals
		7		significantly diminished pest damage
	L. W.	E		and increased yields.
Sapthei	Transplanting		4	A chi chu a rah hmin tha atanga lak
	stage	1 2		ni se, ni 15-20 hnuah nursery siam
	>			tur.
		-5 7 \	4	A hnah 2/3 a rawn awm tan hnu ah
	Y.	3 3		polythene bag ah phunsawn tur.
	\(\lambda\)	AWNGTLAL	4	Polythene bag atangin thla 3/4 hnu ah
	No.	₹ SAIHA		huan ah phun sawn leh tur.
	15		4	Bawngek leitha chu khur khat ah
		les (1	15g leh NPK 100:50:100g in
		R (kumkhat chhungin pek tur.
		IN P		3 Page

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Lakhuihthei	A par lai		4	A par chhuah hma nan chemical	
	•		-	(Ethrel 10ppm+2% urea+0.04%	
				sodium carbonate) chu pek tur. Tlai	
		/		ah emaw thlaiin hnah 32 a neih	
) \	2		hunah pek tur.	
			4	Chemical pek atangin ni 55-60	
		KOLASIB		<u> </u>	
	4 1	200	-	chhungin a par a chhuah thei ang.	
) 10	7 2)	-	Leitha chu thlai pakhat ah 60:50:60g	
	5	2 (a pek tur.	
	3	Samuel Control	-	Thlai hnah leh a zar thi te chu	
				paihfai a, hnim te tihfai bawk tur.	
	- E	Corm borer	+	Carbofuran 3G chu hectare khatah	
) MAMIT	(1.5kga.i a pek tur. Hemi hi a zung ah	
	\$	Access Course	631	a tuina hnuhma a awmin pek tur	
Cucurbitaceous	A rah lai	CHIEDRIE CHAIN	4	Ni 7 danah tui chu tha taka pek	
crops	1	j)		tur.	
	\ \.		4	Huan zau thamah chuan fruitfly	
		1 1 5 5		leh pumpkin beetle ven nan	
) [~	1 1		carbaryl 0.2% leh malathion	
	(1.0)			0.15% chu chini tui litre khatah	
		SERCHHIP /	0	10g a pawlhin kar khat danah	
		(~		leh a par tan tirhah leh a rah tan	
	Name of the last o	Will the State of		hunah kah tur.	
		Thlai pakhatah a par nasat lain			
			N	urea chu 70g a pek tur.	
Bawrhsaiabe	A chin dan	1. Nursery tihfai a	4	A kung bulthut ah hnim chheh	
	\ L	tui tlem pek tur.		darh tur.	
		2. Phunsawn hnuah	*	A khat tawkin tui pek tur.	
		tui tha taka pek	*	A tiak phunsawn te chu nil eh	
- · · ·	1. 10	tur.	-	ruah lakah hliahkhuh tur.	
French bean	A par lai		-	Bean hnah, a tang ro leh hnim	
	\(\lambda_{\cdots}\)	9 3		te chu paihfai vek tur.	
			-	Lei chu boruak kal that nan	
	1	3	_	laihphut thin tur.	
			*	A chin atanga ni 20-25 ah bean	
	11	AWNGTLAY		kung chu mau in a zamna siam tur.	
Bawkbawn	A chin dan	SAIHA	4	Balu leh leitha chu lei nen a	
Dawknamii	A CHIH UAH	-	. *	chawhpawlh hnu in 75-100cm a	
		- Pul		zau ah a phunna tur siam tur. A	
	0			Zau an a piruma tur siam tur. 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)



	5		+	chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. A chi chu 5cm a inhlat a tuh in
	LA	7		lei pangngai a vur leh tur.
Tomato	A chin dan	KOLASIB	. +	Nursery tur chu lei dip tha darh
	1 1		-	leh tlema pawng tur (0.8m a zau
	/ "	7 2 1		leh 15cm a sei ni se).
	λ.	(+	Leitha 10kg leh bawngek leitha
	1	7 6		15:15:15 leh carbofuran 2.5g
Desta	Name of the state	Pre kharif rice	-	chawhpawlh pek tur.
Buh	Nursery stage	Pre knarii rice	-	A chi tha leh khat tha chauh hman tur.
	A minimi	1	4	Tui litre 10 ah chi (salt) 250g
	3	AIZAVIL CHAM	PAT	pawlhin chutah chuan chiah
	\ \frac{1}{2}	1		tur.
	\		4	Bavistin 50WP @0.1% chu tui
		1 5 5		litre khatah 2g a pawlhin a chi
	100			chu chiah tur.
		Raised bed method	*	A chin na tur chu 10m a sei ni
	-	SERCHHIP (se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei
	(V to		hian a chi kal ral mai mai tur a
	5			veng.
			•	Leitha pek hnu ah a chi
		7		damdawi a chiah te chu theh
		UNGLE! P		tur.
Vaimim	A chin dan	1	*	Lei chu vawi 2/3 laihphut phawt
	L.	5~	4	tur. A chi chu a line indawt a chin
	1)		_	tur
	Y	6	4	A chi chu kg khatah Thiram 4g a
	>			chiah tur.
		1-15 A	4	Hectare khatah buh chi chu 20-
	Y	5		25kg hman tur.
	\	AWNGTLAJ	*	Bawngek leitha chu hectare
		≠ SAIHA		khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim
	9.0	T-		chin hma in lei nen tihpawlh tur.
		L. L.		Nitrogen chu a dose chanve in a
	-	1		
		4		5 P a g e

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			chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.		
Sawhthing leh Aieng	Land preparation	KOLASIB	 Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. Lei chu boruak kal that nan laihphut thin tur. Nitrogen leitha chu an mamawh taw kanga pek tur. 		
	} MAMIT	Thrips	Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.		
	1	Scales CHAM	Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.		
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.		
	A puitling hun	Swine fever CHHIP	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur		
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.		
	A naupan lai	Black Quarter (BQ)	 Black Quarter Vaccine (BQ) Thla ruk an tlin hunah vaccine lak tan tur. Kumkhat hnu ah vaccine pek leh tur. 		
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.		
	1	Coccidiosis SAIHA	2. Amprolium emaw coccidiostat pek tur.		

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



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*Wind Direction

GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

	AND AND STREET	I a	A. C.		
Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	8	3	3	5	3
Max Temp (°C)	30	29	29	29	29
Min Temp (°C)	23	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	98	98	98	98
Min RH (%)	69	69	62	65	64
Wind Speed (KmpH)	3	2	2	2	2

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

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

(250.30mm)(341.8mm)

(87.2mm)

Date of issue: 17th June, 2016

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

(186.21mm)

(442.80mm)

(25.9mm)

(380.9mm)

Weather summary of the past three days

The temperature range for maximum and minimum were 24.3-28.4°C and 16.1-21.5°C respectively. Mainly clear sky was observed. Wind direction is southeasterly. Maximum RH observed 85-99% & minimum of 74-90%. Rainfall recorded for the past three davs 29.30mm. (Source-

NDVI for Mizoram

mosdac.gov.in)

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

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 29-30°C and 23°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 62-69%. Wind direction would be easterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 22.0 mm

NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 ♣ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ♣ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ♣ Application of split dose of fertilizer 600: 200:100 (g/pt). ♣ Only certified seed should be used. ♣ Stagnation of water in beds should be avoided. ♣ Seedling of uniform height should be selected for planting. ♣ Hooked or bench rooted plants should be discarded. ♣ Plant protection measures should be
		SERCHH	
Oil plam	Vegetative stage	LUNGLEI	 Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Flowering stage	LAWNGTLAI	
			Application of split dose of fertilizer 600: 200:100 (g/pt).

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		KOLASIB	 Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
	MAMIT	Comb weevil and stem weevil	Application of 60 to 100 g of neem seed powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields.
Passion Fruit	Transplanting stage	LUNGLEI	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	LAWNGTLAI	 ♣ Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. ♣ The flowering emergence will come out

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			wood noon to the alout
Calagasia	T7. matatima		weed near to the plant.
Colocasia	Vegetative		Remove unwanted plant near base of the
	stage		plant and cut dead branches.
	7 /	1 1	♣ Earthing up soil at base of the plant along
			with split doses of fertilizer.
		KOLASIB	Proper drainage is required to avoid water
	4		logging.
	1	W)	♣ Mulching with black polythene is found
	5	4	beneficial for both reducing the weed and
			increasing the yield.
	1	Corm borer	Carbofuran 3G @1.5 kg a.i./ha applied in
	£	1	root zone when egg laying ooze is observed
	J' MAMIT	(at plant base.
Cucurbitaceo	Harvesting	AIZAVVL I	♣ In large gardens apply carbaryl 0.2 per cent
us crop	stage	Non-	or malathion 0.15 per cent suspension
	1	1	containing sugar or jeggery at 10 g/l at
),		fortnightly intervals at flowering and fruit
		1 30	initiation against fruit fly and pumpkin
	1		beetle.
	11		Harvest all mature fruit.
Okra	Vegetative	SERCHH	Remove unwanted plant near base of the
	stage	W. Long	plant and cut dead branches.
	5	L.	Earthing up soil at base of the plant along
			with split doses of fertilizer.
			Proper drainage is required to avoid water
		LUNGLEI	logging.
Cowpea	Vegetative	S. A. I. L.	Remove unwanted plant near base of the
	stage	5%	plant and cut dead branches.
	3	U (Earthing up soil at base of the plant along
			with split doses of fertilizer.
		1901	Proper drainage is required to avoid water
			logging.
		(S)	Mulching with black polythene is found
			beneficial for both reducing the weed and
		LAWNGTLAL	increasing the yield.
Brinjal	Flowering	# SAIHA	1
	stage		plant and cut dead branches.
			Pre emergence application of Basalin

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			@0.5 ml/lit of water for reduce grass type
			weed.
	1. 1	3	reduces weed growth, increases the crop
) V.,	2	growth.
		KOLASIB	♣ Split dose of fertilizer application @
	Į.	THOUSAND ST	50kg/ha urea.
Rice	Transplanting	W)	
	stage	1 1	harrowing, and levelling the field to make
			it suitable for crop establishment.
	1		♣ Ploughing should be done 3-4 weeks prior
	J		to sowing.
	MAMIT		♣ Select disease free seedling with 3-5 leaf
	ζ	A Committee of	stage.
	- 1	A AIZAWIL	♣ Treat seedling with Bavistin 50 WP @
	1	5	0.1% (2 g/lt) solution.
	1		♣ After ploughing, harrowing the field should
	1	() > 0	be done twice, with one week gap between
	1 0		the two. First harrowing should be done
))		after 1 week of ploughing. The second
		SERCHH	harrowing should be done across the first
	1	Miles	harrowing.
	(
			nitrogen levels, the optimum spacing for
	1,14		rice varieties should be around 20x15 cms
		LUNGLEI	both for kharif and rabi crops.
	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	550005E1	Transplanting two to three seedlings per
	1	200	hill under normal conditions is enough.
	4	A (>>	Remove the tip of rice seedling which
			reduces stem borer infestation.
Maize	Vegetative	(9 0)	Remove unwanted plant near base of the
	stage		plant and cut dead branches.
		(92A)	+ Earting up of soil along with fertilizer
			mixture.
		LAWNGTLAL	Foliar spray of 0.1 % Endosulfan {2 ml (35
		F SAIHA	
			germination is very effective against stem
Gingon and	Vogototino	1 0	borer.
Ginger and	Vegetative	6 1	Remove unwanted plant near base of the
		4	5 P a g e

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turmeric	stage		plant and cut dead branches.
		KOLASIB	 ♣ Pre-emergence application of Atrazine (Atratraf 50 wp, Gesaprim 500 fw) @ of 1.0-1.5 kg a.i ha-1in 600 litre water, Alachlor (Lasso) @ 2-2.5 kg a.i ha-1, Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1, Pendamethalin (Stomp) @ 1-1.5 kg a.i. ha-1arge effective way for control of many annual and broad leaved weeds. ♣ Earting up of soil along with fertilizer mixture.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	AIZAVIL	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	Culling of positive pigs or piglets.
	Adult stage	Swine fever.	P 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
		1 2 4	\

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District: Saiha Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/Mizo

Date of issue: 17th June, 2016

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	8	3	3	5	3
Max Temp (oC)	30	29	29	29	29
Min Temp (oC)	23	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	98	98	98	98
Min RH (%)	69	69	62	65	64
Wind Speed (KmpH)	3	2	2	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 MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm

Champhai- 239.49mm

Saiha- 109.52 mm

Kolasib- 352.38mm

(341.8mm)

(250.30mm)

(87.2mm)

(380.9mm)

Lawngtlai-321.51mm

Lunglei-344.00mm

Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Ni thum kaltha sik leh sa dinhmun tlangpui

Khua a lum lai berin 24.3-28.4°C leh a vawh lai berin 16.1-21.5°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 85-99% leh a hniam lai 74-90% ani ang. Ni 3 kal ta ruah tla zatchu chhung 29.30mm (Sourceani.

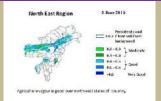
Mosdac.gov.in)

NDVI for Mizoram

June 18, 2016 atanga June 22, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 29-30°C a ni ang a.A vawh lai ber in 23°C ni tur ah beisei a ni.RH san lai berin 98-99% leh a hniam lai berin 62-69% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-3 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 22.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna	Agr	ricultural/Horticultural/ animal husbandry atana thurawn
		hrik awm thei te		
Serthlum	Nursery stage		4	A chi: A chi chu lakchhuah anih
	1	1		veleh nurseey ah a thuk zawng 1.5-
		KOLASIB		2cm leh 10X5cm a inhlat a chin tur.
	1 1		-	A rawn chawr chu polythene bag ah
) (4)		65	hnah 4-6 a neih hunah phun sawn
	(1 1	_	tur.
	{		-	Nursery chu rannung leh a damlohna
	1			dang laka ven nan ser huan atanga
	1	/		meter 500 a hla ah dah tur.
	J' MAMIT	()	*	Lei, balu leh bawngek leitha chu a
	5	AIZAWL CHAM	PA-1	inzat theuha pawlhin pek tur.
		Chieffine College		Bawngek leitha chu thlai pakhat ah
)	_	600:200:100g a pek tur.
	λ.		*	Certified thlai chi chauh hman tur.
		1 3 10	-	Ser kung bula tuitling chu paihfai vek tur.
	(~~	4 1	4	A tiak inchen tlang chauh phun atan
	12	/		hman tur.
		SERCHHIP (4	A zar tliak leh hnip chu paih fai zel
	1	We have	_	tur.
	1		4	Thlai chu hrisel taka enkawl tur.
Oil palm	Vegetative		4	Oil palm kung bul chu tihfai a a zar
	stage			thlak bawk tur.
		UNGLEI ,	4	Leitha chu thlai pakhatah
	(1		600:200:100g a pek tur.
		5~	4	Heng micro-nutrients zinc, copper,
	111			manganese, iron, boron leh
	Y			molybdenum te hi an mamawh
	>			tawka pek tur, a huan pum a chhiat
		STATE OF THE STATE		vek loh nan ven that bawk tur.
	Y		. 4	Oil palm rah chu a puitlin hunah te, a
	11	AWNGTLAN		rawng inthlak hunah leh a thlum leh
		F SAIHA		thur a pai tam hunah seng tur
	£)(,		ļ. 4	Oil palm kung bul chu tihfai a a zar
		The state of the s	-1-	thlak bawk tur.
	6		-	Leitha chu thlai pakhatah
	18	1 1		2 P a g e

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				600:200:100g a pek tur.
		/ \	4	Heng micro-nutrients zinc, copper,
				manganese, iron, boron leh
	7.7	3		molybdenum te hi an mamawh
	1 1 1	The state of the s		tawka pek tur, a huan pum a chhiat
		KOLASIB		vek loh nan ven that bawk tur.
	1. 1	NOENOIS -	4	Oil palm rah chu a puitlin hunah te, a
	1 60			rawng inthlak hunah leh a thlum leh
	(3 -1 /		thur a pai tam hunah seng tur.
Balhla	Flowering stage		4	Balhla kung bul chu tihfai a a zar
		3 2 1		thlak bawk tur.
	J.	3.00	4	Leitha chu thlai pakhatah
	MAMIT			600:200:100g a pek tur.
	Water and the same of the same	A design	4	Heng micro-nutrients zinc, copper,
	1	AIZAWL CHAM	PAI	manganese, iron, boron leh
		1		molybdenum te hi an mamawh
	1	\$		tawka pek tur, a huan pum a chhiat
	1	121		vek loh nan ven that bawk tur.
) ~	7 3 4	. 4	A zar thlak ngun hian rannung leh
				natna lakah a veng a, chubak ah
		_ SERCHHIP /		leitha a hek lova, thlai thar a ti tam
				bawk ani.
		****	4	A rah chu a puitlin hunah leh a
		ph.	Ç.	rawng eng a nih hunah seng tur.
		Comb weevil and	4	Application of 60 to 100 g of neem
		stem weevil		seed powder or neem cake at planting
	7 -	DINGLEI		and then at 4 months intervals
	T.	_ /		significantly diminished pest damage
	40			and increased yields.
Sapthei	Transplanting		4	A chi chu a rah hmin tha atanga lak
	stage			ni se, ni 15-20 hnuah nursery siam
	3			tur.
	}	- J	4	A hnah 2/3 a rawn awm tan hnu ah
			£ .	polythene bag ah phunsawn tur.
	11	AWNGTLAV	+	Polythene bag atangin thla ¾ hnu ah
		/ SAIHA		huan ah phun sawn leh tur.
			-	Bawngek leitha chu khur khat ah
		100		15g leh NPK 100:50:100g in
	6			kumkhat chhungin pek tur.
		1 4 /		3 P a g e

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tur. Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	(Ethrosodiu ah er hunal Leitha a pek Thlai paihfa 1.5kg a tuin Vir.			
sodium carbonate) chu pek tur. Thah emaw thlaiin hnah 32 a ne hunah pek tur. Chemical pek atangin ni 55-chhungin a par a chhuah thei ang. Leitha chu thlai pakhat ah 60:50:60 a pek tur. Thlai hnah leh a zar thi te che paihfai a, hnim te tihfai bawk tur. Corm borer Cucurbitaceous crops A rah lai Cucurbitaceous crops A rah lai SERCHHIP SERCHHIP SERCHHIP	sodiu ah ei hunal Lehur Leitha a pek Thlai paihfa Carbo 1.5kg a tuin Ni 7 tur. Huar			
A rah lai Cucurbitaceous A rah lai Cucurbitaceous Cucurbitaceous A rah lai Cucurbitaceous A rah lai Cucurbitaceous Cucurbitaceous Cucurbitaceous A rah lai A rah lai Cucurbitaceous A rah lai	ah ei hunah Chem chhur Leith a pek Thlai paihfa Carbo 1.5kg a tuin Ni 7 tur.			
hunah pek tur. Chemical pek atangin ni 55-chhungin a par a chhuah thei ang. Leitha chu thlai pakhat ah 60:50:60 a pek tur. Thlai hnah leh a zar thi te cl paihfai a, hnim te tihfai bawk tur. Carbofuran 3G chu hectare khata 1.5kga.i a pek tur. Hemi hi a zung a tuina hnuhma a awmin pek tur. Ni 7 danah tui chu tha taka pel tur. Huan zau thamah chuan fruitfi leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	hunal Chem chhur Leith a pek Thlai paihfa Carbo 1.5kg a tuin Ni 7 tur. Huar			
Cucurbitaceous A rah lai Cucurbitaceous A rah lai Cucurbitaceous A rah lai Cucurbitaceous Cucurbitaceous A rah lai A ra				
chhungin a par a chhuah thei ang. Leitha chu thlai pakhat ah 60:50:60 a pek tur. Thlai hnah leh a zar thi te cl paihfai a, hnim te tihfai bawk tur. Corm borer Cucurbitaceous A rah lai Ni 7 danah tui chu tha taka pel tur. Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	chhur Leith a pek Thlai paihfa Carbo 1.5kg a tuin Ni 7 tur. Huar		}	
Leitha chu thlai pakhat ah 60:50:60 a pek tur. Thlai hnah leh a zar thi te cl paihfai a, hnim te tihfai bawk tur. Carbofuran 3G chu hectare khata 1.5kga.i a pek tur. Hemi hi a zung a tuiha hnuhma a awmin pek tur Ni 7 danah tui chu tha taka pel tur. Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	Leither a pek Thlai paihfa Carbo 1.5kg a tuin Ni 7 tur. Huar	Corm borer	}	
a pek tur. Thlai hnah leh a zar thi te cl paihfai a, hnim te tihfai bawk tur. Corm borer Cucurbitaceous A rah lai A rah lai Thlai hnah leh a zar thi te cl paihfai a, hnim te tihfai bawk tur. Cucurbitaceous A rah lai Ni 7 danah tui chu tha taka pel tur. Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	a pek	Corm borer		
Thlai hnah leh a zar thi te cl paihfai a, hnim te tihfai bawk tur. Corm borer Carbofuran 3G chu hectare khata 1.5kga.i a pek tur. Hemi hi a zung a tuina hnuhma a awmin pek tur Ni 7 danah tui chu tha taka pel tur. Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta		Corm borer		
Corm borer Cucurbitaceous Crops A rah lai Cucurbitaceous A rah lai Cucurbitaceous Cucurbit	paihfa	Corm borer	- 1	
Cucurbitaceous crops A rah lai Cucurbitaceous crops A rah lai Cucurbitaceous crops Cucurbitaceous crops A rah lai Cucurbitaceous crops A rah lai SERCHHIP Carbofuran 3G chu hectare khata 1.5kga.i a pek tur. Hemi hi a zung a tuina hnuhma a awmin pek tur Ni 7 danah tui chu tha taka pel tur. Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta		Corm borer	Į	
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A rah lai Cucurbitaceous crops A rah lai Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	a tuin Via Ni 7 o tur. Huar	AIZAVIL CHAN		
Cucurbitaceous crops A rah lai Ni 7 danah tui chu tha taka pel tur. Huan zau thamah chuan fruitfl leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	↓ Ni 7 tur. ↓ Huar	AIZAWL CHAN) MAMIT	
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leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta		j	\	crops
carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta			1	
O.15% chu chini tui litre khatal 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta	-	1 1/3		
SERCHHIP 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah ta) (
leh a par tan tirhah leh a rah ta))	
leh a par tan tirhah leh a rah ta		еврению /		
		(Schonner (
hunah kah tur.		100		
Thlai pakhatah a par nasat lain	Total Control of the	L. J.	7	
urea chu 70g a pek tur.				
S S		The state of the s	A chin dan	Bawrhsaiabe
tui tlem pek tur. darh tur.			1	
2. Phunsawn hnuah A khat tawkin tui pek tur.			3	
tui tha taka pek A tiak phunsawn te chu nil e				
tur. ruah lakah hliahkhuh tur.		tur.	10	
French bean A par lai Bean hnah, a tang ro leh hni			A par lai	French bean
te chu paihfai vek tur.		9 8 1		
Lei chu boruak kal that na				
laihphut thin tur.		20		
A chin atanga ni 20-25 ah bea		-	1	
kung chu mau in a zamna sia		LAWNGTLAL	\\	
tur.		SAIHA	A chin den	Downlet
Bawkbawn A chin dan Balu leh leitha chu lei nen	and the second s	1	A CHIH GAN	Dawkdawn
chawhpawlh hnu in 75-100cm		C)		
zau ah a phunna tur siam tur.	🖘 zau a		1 22	

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	5		4	chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. A chi chu 5cm a inhlat a tuh in
	LA	A CONTRACTOR OF THE PARTY OF TH		lei pangngai a vur leh tur.
Tomato	A chin dan	KOLASIB	4	Nursery tur chu lei dip tha darh
	1 1		The State of the Owner, where	leh tlema pawng tur (0.8m a zau
	/ "	7 2		leh 15cm a sei ni se).
	7		+	Leitha 10kg leh bawngek leitha
	1	2 5		15:15:15 leh carbofuran 2.5g
D-1	No		-	chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	*	A chi tha leh khat tha chauh hman tur.
	Z Walliam	Y	-4	Tui litre 10 ah chi (salt) 250g
	3	AIZAWL CHAM	PAT	pawlhin chutah chuan chiah
		1		tur.
	\	S	4	Bavistin 50WP @0.1% chu tui
	1	1 3 2 3		litre khatah 2g a pawlhin a chi
		1 3 -		chu chiah tur.
		Raised bed method	+	A chin na tur chu 10m a sei ni
		SERCHHIP (se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei
		Maria)		hian a chi kal ral mai mai tur a
	5		a .	veng.
			1	Leitha pek hnu ah a chi
		7	3-3-05/45	damdawi a chiah te chu theh
		UNGLE!		tur.
Vaimim	A chin dan		+	Lei chu vawi 2/3 laihphut phawt
	L.	500		tur. A chi chu a line indawt a chin
	15		-	tur
	P		4	A chi chu kg khatah Thiram 4g a
	>	7 ()		chiah tur.
		Section 1	4	Hectare khatah buh chi chu 20-
	V.	5		25kg hman tur.
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	AWNGTLAJ	*	Bawngek leitha chu hectare
		SAIHA		khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim
	41.4	177	ŀ	chin hma in lei nen tihpawlh tur.
		100		Nitrogen chu a dose chanve in a
	-	1		
				5 P a g e

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			chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation	KOLASIB	 Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. Lei chu boruak kal that nan laihphut thin tur. Nitrogen leitha chu an mamawh taw kanga pek tur.
	MAMIT	Thrips	♣ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
	\$	Scales CHAM	Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever CHHIP	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	 Black Quarter Vaccine (BQ) Thla ruk an tlin hunah vaccine lak tan tur. Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
	\	Coccidiosis SAIHA	2. Amprolium emaw coccidiostat pek tur.

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District: Serchhip Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	7	4	4	4	4
Max Temp (°C)	30	29	28	28	28
Min Temp (°C)	23	24	24	24	24
Cloud Coverage	Partially clear				
Max RH (%)	100	100	100	99	100
Min RH (%)	70	74	64	71	67
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	S-E	E

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

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

Saiha- 109.52 mm (87.2mm)

Kolasib- 352.38mm (380.9mm)

Lawngtlai-321.51mm

Lunglei-344.00mm

Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

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 28-30°C and 23-24°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 64-71%. Wind direction would be easterly to southeasterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 23.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

Date of issue: 17th June, 2016

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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. Potting mixture of soil, sand and FYM or compost should be in proper ratio. Application of split dose of fertilizer 600: 200:100 (g/pt). Only certified seed should be used. Stagnation of water in beds should be avoided. Seedling of uniform height should be selected for planting. Hooked or bench rooted plants should be discarded. Plant protection measures should be followed.
Oil plam	Vegetative stage	LUNGLEI	Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Flowering stage	LAWNGTLAL	 Clear near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt).

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		KOLASIB	 ♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ♣ Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. ♣ Fruits are harvested when they attain full size develop attractive valleys colour.
	MAMIT	Comb weevil and stem weevil	size, develop attractive yellow colour. Application of 60 to 100 g of neem seed powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields.
Passion Fruit	Transplanting stage	LUNGLEI	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	LAWNGTLAI	 ♣ Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. ♣ The flowering emergence will come out

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			weed near to the plant.
Colocasia	Vegetative		Remove unwanted plant near base of the
	stage		plant and cut dead branches.
	1	1 3	♣ Earthing up soil at base of the plant along
			with split doses of fertilizer.
		KOLASIB	♣ Proper drainage is required to avoid water
	4	1.	logging.
)	(A)	♣ Mulching with black polythene is found
	5		beneficial for both reducing the weed and
		Corm borer	increasing the yield.
	(Corm borer	♣ Carbofuran 3G @1.5 kg a.i./ha applied in root zone when egg laying ooze is observed
	> MAMIT		at plant base.
Cucurbitaceo	Harvesting	Annual Control	In large gardens apply carbaryl 0.2 per cent
us crop	stage	AIZAVIL	or malathion 0.15 per cent suspension
us crop	stage	4	containing sugar or jeggery at 10 g/l at
	\.	\$	fortnightly intervals at flowering and fruit
	A	6 200	initiation against fruit fly and pumpkin
	1 0		beetle.
))		Harvest all mature fruit.
Okra	Vegetative	SERCHH	Remove unwanted plant near base of the
	stage	W. Lang	plant and cut dead branches.
	S		Learthing up soil at base of the plant along
		7	with split doses of fertilizer.
			Proper drainage is required to avoid water
0	**************************************	LUNGLEI	logging.
Cowpea	Vegetative		Remove unwanted plant near base of the plant and cut dead branches.
	stage	EX.	Earthing up soil at base of the plant along
			with split doses of fertilizer.
			Proper drainage is required to avoid water
			logging.
			Mulching with black polythene is found
			beneficial for both reducing the weed and
		LAWNGTLAN	increasing the yield.
Brinjal	Flowering	F SAIHA	<u> </u>
	stage		plant and cut dead branches.
			Pre emergence application of Basalin

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			@0.5 ml/lit of water for reduce grass type
			weed.
		F	Mulching with black polythene film
	1 1	3	reduces weed growth, increases the crop
) _,	5	growth.
		KOLASIB	♣ Split dose of fertilizer application @
	1	A CONTRACTOR	50kg/ha urea.
Rice	Transplanting	(A)	↓ Land preparation is done by ploughing,
	stage	2 1	harrowing, and levelling the field to make
			it suitable for crop establishment.
	1		♣ Ploughing should be done 3-4 weeks prior
	- E		to sowing.
	/ MAMIT	()	♣ Select disease free seedling with 3-5 leaf
	Ş.,	AIZAVIL	stage.
)	Sinte-min-	Treat seedling with Bavistin 50 WP @
		2	0.1% (2 g/lt) solution.
	1		♣ After ploughing, harrowing the field should
		1 3 3	be done twice, with one week gap between
	14. (6)		the two. First harrowing should be done
	11		after 1 week of ploughing. The second
		SERCHH	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Was Leading	harrowing.
	3	354	Under good management and adequate nitrogen levels, the optimum spacing for
			rice varieties should be around 20x15 cms
		WWW.	both for kharif and rabi crops.
	1	LUNGLEI	Transplanting two to three seedlings per
			hill under normal conditions is enough.
	L.	5%	Remove the tip of rice seedling which
		(3)	reduces stem borer infestation.
Maize	Vegetative		Remove unwanted plant near base of the
	stage		plant and cut dead branches.
	Stange .		Larting up of soil along with fertilizer
		Y 3	mixture.
		LAWNGTLAN	♣ Foliar spray of 0.1 % Endosulfan {2 ml (35
		F SAIHA	
		E(1)	germination is very effective against stem
			borer.
Ginger and	Vegetative	20	♣ Remove unwanted plant near base of the
		V V V	5 P a g e

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turmeric	stage		plant and cut dead branches.
			♣ Pre-emergence application of Atrazine
			(Atratraf 50 wp, Gesaprim 500 fw) @ of
	1. 1	3	1.0-1.5 kg a.i ha-1in 600 litre water,
	1 1 1 2	5	Alachlor (Lasso) @ 2-2.5 kg a.i ha-1,
		KOLASIB	Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1,
	1,	1.	Pendamethalin (Stomp) @ 1-1.5 kg a.i. ha-
)	(A)	large effective way for control of many
	5	2 1	annual and broad leaved weeds.
	j.	STATE OF	★ Earting up of soil along with fertilizer
			mixture.
Kharif pulses	Sowing stage		Land preparation or sowing in pits
(Green gram, Black gram and) MAMIT	N	Inorganic fertilizer like Urea, SSP and
Rajma)	8	A AIZAVVL	MOP @ 20: 60: 40 kg.
Pig	All stages	Porcine	Use PSB 2g/kg for better germination.1. Culling of positive pigs or piglets.
Fig	All stages	Reproductive	1. Cuming of positive pigs of pigiets.
	4	Respiratory	
) (Syndrome	~ <i>?</i>
	7.	(PRRS).) (
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		V	months and yearly interval/6 month
	<u> </u>		interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	3	(BQ)	❖ Primary vaccination 6 month or above
		500	Revaccination annually
Poultry	Adult stage	Ranikhet	F1 vaccine at (1-6) days of birth and R ₂ B
	1	Disease.	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
		1 50 8	<u> </u>
		V. X 0	(21)

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District: Serchhip Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/Mizo

Date of issue: 17th June, 2016

		f c						
Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016			
Rainfall (mm)	7	4	4	4	4			
Max Temp (oC)	30	29	28	28	28			
Min Temp (oC)	23	24	24	24	24			
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear			
Max RH (%)	100	100	100	99	100			
Min RH (%)	70	74	64	71	67			
Wind Speed (KmpH)	2	2	2	2	2			
*Wind Direction	E	E	E	S-E	E			
Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,								
Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.								
STATUS OF M	ONSOON- May 1-	31, 2016 (Percen	it of deviation froi	n normal in par	enthesis)			
A:1 000 C0	1 1 000 00 71 1 1 000 40 71 100 70 77 1 11 070 00							

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

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

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

Serchhip-411.72mm (25.9mm)

Ni thum kaltha sik leh sa dinhmun tlangpui

June 18, 2016 atanga June 22, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 28-30°C a ni ang a.A vawh lai ber in 23-24°C ni tur ah beisei a ni.RH san lai berin 99-100% leh a hniam lai berin 64-71% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-3 km ni tur a beisei niin. Ni nga hhung lo awm tur ah hian chhum tlem a lan beisei a ni.

		Weekly cumulative rainfall: 23.0mm						
NDVI for Mizoran	n	North East Region	8 June 2016	NDVI	of	soil	moisture	for
		Agriculture visour is good over north-ea	ve. Pursitient cloud head 2 internal from head proposed 0.2 - 0.3 production 0.3 - 0.3 production 0.4 - 0.5 pound 0.4 - 0.5 pound 0.5 p	Mizora: conditi		is	moderate	wet
Thlai/ ran /sangha	Spat zawng	Hmalakn rannung le hrik awm	h natna				Horticultural y atana thur	

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Serthlum	Nursery stage		4	A chi: A chi chu lakchhuah anih
	maisory stage			veleh nurseey ah a thuk zawng 1.5-
				2cm leh 10X5cm a inhlat a chin tur.
		/		A rawn chawr chu polythene bag ah
		1		hnah 4-6 a neih hunah phun sawn
		Contracts (tur.
	1 1	KOLASIB	. 4	Nursery chu rannung leh a
	1 4	1	-	damlohna dang laka ven nan ser
	(3 4 /		huan atanga meter 500 a hla ah dah
	7			tur.
	1	7 5	4	Lei, balu leh bawngek leitha chu a
	J.			inzat theuha pawlhin pek tur.
	MAMIT	1	4	Bawngek leitha chu thlai pakhat ah
	A MARINE	1	5011	600:200:100g a pek tur.
	1	AIZAVIL CHAMI	re 📮	Certified thlai chi chauh hman tur.
		j'	4	Ser kung bula tuitling chu paihfai
	\ \			vek tur.
			4	A tiak inchen tlang chauh phun atan
	100			hman tur.
)))	+	A zar tliak leh hnip chu paih fai zel
	-	SERCHHIP		tur.
		V (_)	+	Thlai chu hrisel taka enkawl tur.
Oil palm	Vegetative		+	Oil palm kung bul chu tihfai a a zar
	stage		1	thlak bawk tur.
		7	00	Leitha chu thlai pakhatah
		LUNGLEI 1 ²		600:200:100g a pek tur.
	3	1	-	Heng micro-nutrients zinc, copper,
	1	500		manganese, iron, boron leh molybdenum te hi an mamawh
	7.6			tawka pek tur, a huan pum a chhiat
	V			vek loh nan ven that bawk tur.
)	7 (1)	4	Oil palm rah chu a puitlin hunah te,
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12 X	_	a rawng inthlak hunah leh a thlum
	(·	1		leh thur a pai tam hunah seng tur
	N N	LAWNGTLAL	4	Oil palm kung bul chu tihfai a a zar
	1	SAIHA	-	thlak bawk tur.
	11	37117	4	Leitha chu thlai pakhatah
		100		600:200:100g a pek tur.
	G(121	4	Heng micro-nutrients zinc, copper,
		V V		2 P a g e

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Balhla	Flowering stage	KOLASIB AIZAVIL CHAME	manganese, iron, boron leh molybdenum te hi an mamawh tawka pek tur, a huan pum a chhiat vek loh nan ven that bawk tur. Oil palm rah chu a puitlin hunah te, a rawng inthlak hunah leh a thlum leh thur a pai tam hunah seng tur. Balhla kung bul chu tihfai a a zar thlak bawk tur. Leitha chu thlai pakhatah 600:200:100g a pek tur. Heng micro-nutrients zinc, copper, manganese, iron, boron leh molybdenum te hi an mamawh tawka pek tur, a huan pum a chhiat vek loh nan ven that bawk tur. A zar thlak ngun hian rannung leh natna lakah a veng a, chubak ah leitha a hek lova, thlai thar a ti tam bawk ani.
Sapthei	Transplanting stage	Comb weevil and stem weevil	 ♣ A rah chu a puitlin hunah leh a rawng eng a nih hunah seng tur. ♣ Application of 60 to 100 g of neem seed powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields. ♣ A chi chu a rah hmin tha atanga lak ni se, ni 15-20 hnuah nursery siam
Tabbuibthai	A non los	AWNGTLAL SAIHA	tur. 4 A hnah 2/3 a rawn awm tan hnu ah polythene bag ah phunsawn tur. 4 Polythene bag atangin thla 3/4 hnu ah huan ah phun sawn leh tur. 4 Bawngek leitha chu khur khat ah 15g leh NPK 100:50:100g in kumkhat chhungin pek tur.
Lakhuihthei	A par lai	NS	A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% 3 P a g e

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				sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih
				hunah pek tur.
		/	4	Chemical pek atangin ni 55-60
			-	chhungin a par a chhuah thei ang.
		toni main	4	Leitha chu thlai pakhat ah
	/)	KOLASIB		60:50:60g a pek tur.
	1 4	1 -	1	Thlai hnah leh a zar thi te chu
	(3 0 /		paihfai a, hnim te tihfai bawk tur.
	7	Corm borer	4	Carbofuran 3G chu hectare khatah
	1	3	_	1.5kga.i a pek tur. Hemi hi a zung
				ah a tuina hnuhma a awmin pek tur
Cucurbitaceous	A rah lai		4	Ni 7 danah tui chu tha taka pek
crops	72. 14110.111	A second	S2111	tur.
01000	3	AIZAWL CHAME	M.	Huan zau thamah chuan
		3		fruitfly leh pumpkin beetle ven
	1	3		nan carbaryl 0.2% leh
	1			malathion 0.15% chu chini tui
) ~	1 3 4-		litre khatah 10g a pawlhin kar
				khat danah leh a par tan tirhah
		SERCHHIP		leh a rah tan hunah kah tur.
		(SERCHAIF (+	Thlai pakhatah a par nasat lain
		Wo then		urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a tui	+	A kung bulthut ah hnim chheh
		tlem pek tur.	السيا	darh tur.
		2. Phunsawn hnuah	*	A khat tawkin tui pek tur.
		tui tha taka pek tur.	-	A tiak phunsawn te chu nil eh
French bean	A more loi		-	ruah lakah hliahkhuh tur.
French bean	A par lai	5	-	Bean hnah, a tang ro leh hnim te chu paihfai vek tur.
	7.0		4	Lei chu boruak kal that nan
	V	1 (_	laihphut thin tur.
	5	7 (2)	4	A chin atanga ni 20-25 ah bean
	1	L2 72 (kung chu mau in a zamna siam
	(-	7 ()		tur.
Bawkbawn	A chin dan	ANALOG TO A S	4	Balu leh leitha chu lei nen a
	1	LAWNGTLAN		chawhpawlh hnu in 75-100cm
		(F SAIHA		a zau ah a phunna tur siam
				tur. A chinna lai chu Blue
		100		copper 100g tui litre 40 ah
		1		4 LD -
		4		4 Page

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				emaw formaldehyde nen a pawlhin leih tur.
		1	4	A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan	1	4	Nursery tur chu lei dip tha darh
		KOLASIB		leh tlema pawng tur (0.8m a
	1 1	NOTE COLD	-	zau leh 15cm a sei ni se).
) (N)		Leitha 10kg leh bawngek leitha 15:15:15 leh carbofuran 2.5g
	5	2-1		chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	4	A chi tha leh khat tha chauh
		2	١.	hman tur.
	} MAMIT		*	Tui litre 10 ah chi (salt) 250g
	1 mennin	1	2011	pawlhin chutah chuan chiah tur.
	3	AIZAVIL CHAMI	AI.	Bavistin 50WP @0.1% chu tui
	1	31	_	litre khatah 2g a pawlhin a chi
	1	\$		chu chiah tur.
		Raised bed method	4	A chin na tur chu 10m a sei ni
	10~	4 1		se, 1.25m a zau leh tui luanna
)))		tur 20-30cm a zau siam tur.
		SERCHHIP (Hei hian a chi kal ral mai mai tur a veng.
	1	V to	4	Leitha pek hnu ah a chi
	\ \			damdawi a chiah te chu theh
			1	tur.
Vaimim	A chin dan	7	4	Lei chu vawi 2/3 laihphut
	1	LUNGLEI	١.	phawt tur.
	1	1	-	A chi chu a line indawt a chin tur
	L.		4	A chi chu kg khatah Thiram 4g
			_	a chiah tur.
	Y Comment	(m)	4	Hectare khatah buh chi chu 20-
	>			25kg hman tur.
)	0,500	+	Bawngek leitha chu hectare
	Y	4 5		khatah 5-10t chu 80:60:40kg
	1	LAWNGTLAU		N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen
		F SAIHA		tihpawlh tur. Nitrogen chu a
	3.7	E-1		dose chanve in a chin hnu ah
				pek tur, a bang 25% chu a hnu
		C 17 1		
	1 -	4		5 P a g e

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			thlakhat ah leh a dang 25% chu
0 1/11 .11	T 1 4		a par hunah pek tur.
Sawhthing leh	Land preparation		4 Thlai hnah, a tang ro leh hnim
Aieng	Y 1	1	te chu paihfai vek tur.
	1 1 1	1	♣ Lei chu boruak kal that nan
	1 -1	KOLASIB	laihphut thin tur.
	1 1	NOUNCHLE .	👃 Nitrogen leitha chu an mamawh
		\	taw kanga pek tur.
	(Thrips	Roger emaw Monocrophos chu
	7		tui litre khatah 2.5ml a pawlhin
	1	5 6	kah tur.
		A	3)
	(Scales	♣ Quinalphos emaw
	J' MAMIT	1	Monocrotophos chu tui litre
	5	AIZAVIL CHAMI	khatah 2.5ml a pawlhin kah
			tur.
Vawk	Kumtluanin	Porcine Reproductive	1. A natna vei vawk te chu thah a
	1	Respiratory	phum tur a ni.
		Syndrome (PRRS).	
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF
))		vaccine pek tur a ni a, he vaccine
		_ SERCHHIP /	hi thla ruk emaw kumtluanin pek
			chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth	• Thla16 a upa an rih in FMD
	7	Disease (FMD)	vaccine pek tur a nia, thla 6
			danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	Black Quarter Vaccine (BQ)
	-	UNGLE! P	♣ Thla ruk an tlin hunah
	3	1	vaccine lak tan tur.
	1	~ 1	♣ Kumkhat hnu ah vaccine
	1.0		pek leh tur.
Ar	Kumtluanin 📝	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine
		(a)	pek tur a nia an puitlin hunah
	>		R ₂ B pek leh tur a ni.
)	Coccidiosis	2. Amprolium emaw coccidiostat
	Y		pek tur.
	1	LAWNGTLAL	
	1	SAIHA	
		(Shirin	
		1	
		1 2	
	12	4	6 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/Mizo

Date of issue: 17th June, 2016

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	10	15	15	5	7
Max Temp (oC)	30	28	28	28	27
Min Temp (oC)	23	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	97	99	98	99
Min RH (%)	73	77	69	75	76
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	S-E	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 MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm

Champhai- 239.49mm

Saiha- 109.52 mm

Kolasib- 352.38mm

(341.8mm)

(250.30mm)

(87.2mm) Mamit-449.48mm (380.9mm) Serchhip-411.72mm

Lawngtlai-321.51mm (285.5mm)

Lunglei-344.00mm (186.21mm)

(442.80mm)

(25.9mm)

Ni thum kaltha sik leh sa dinhmun tlangpui

Khua a lum lai berin 26.2-29.1°C leh a vawh lai berin 19.4-22.8°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 87-95% leh a hniam lai 41-89% ani ang. Ni 3 kal ta ruah tla zatchu chhung 14.80mm (Sourceani.

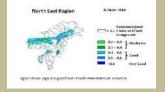
Mosdac.gov.in)

NDVI for Mizoram

June 18, 2016 atanga June 22, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 27-30°C a ni ang a.A vawh lai ber in 23°C ni tur ah beisei a ni.RH san lai berin 97-99% leh a hniam lai berin 69-76% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-3 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 52.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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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)



Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna	Agı	ricultural/Horticultural/ animal husbandry atana thurawn
		hrik awm thei te		
Serthlum	Nursery stage	3	+	A chi: A chi chu lakchhuah anih
	1) \- 25	The state of the s		veleh nurseey ah a thuk zawng 1.5-
		KOLASIB		2cm leh 10X5cm a inhlat a chin tur.
	1 1	The state of the s	-	A rawn chawr chu polythene bag ah
) (4)	,)	- 65	hnah 4-6 a neih hunah phun sawn
	(8 - 1		tur.
	{		-	Nursery chu rannung leh a damlohna
				dang laka ven nan ser huan atanga
				meter 500 a hla ah dah tur.
	/ MAMIT	V	-	Lei, balu leh bawngek leitha chu a
	ζ	AIZAWIL CHAM	100	inzat theuha pawlhin pek tur.
		CHIERNIE GHAM	100	Bawngek leitha chu thlai pakhat ah
	1	5	_	600:200:100g a pek tur.
	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		*	Certified thlai chi chauh hman tur.
		() > 2	*	Ser kung bula tuitling chu paihfai
	1 0~			vek tur.
	12		*	A tiak inchen tlang chauh phun atan
		SERCHHIP (hman tur.
	1	(Value)	-	A zar tliak leh hnip chu paih fai zel
	\ \			tur. Thlei chy brigal taka ankayyl tur
Oil palm	T/o gratating			Thlai chu hrisel taka enkawl tur. Oil palm kung bul chu tihfai a a zar
On paini	Vegetative	7	-	thlak bawk tur.
	stage	UNGLE	4	Leitha chu thlai pakhatah
	3	J	_	600:200:100g a pek tur.
		5	4	Heng micro-nutrients zinc, copper,
	7.0		_	manganese, iron, boron leh
	V			molybdenum te hi an mamawh
	3.	7 (1)		tawka pek tur, a huan pum a chhiat
		L7 Y		vek loh nan ven that bawk tur.
		1	4	Oil palm rah chu a puitlin hunah te, a
		AWNGTLAL		rawng inthlak hunah leh a thlum leh
	1	SAIHA		thur a pai tam hunah seng tur
	10	SMITIM	4	Oil palm kung bul chu tihfai a a zar
		7.00	J.	thlak bawk tur.
		2	4	Leitha chu thlai pakhatah
	1	IN M		2 P a g e

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				600:200:100g a pek tur.
			4	Heng micro-nutrients zinc, copper,
		2	_	manganese, iron, boron leh
				£ , ,
	7 1	5		molybdenum te hi an mamawh
	LA)		tawka pek tur, a huan pum a chhiat
		KOLASIB		vek loh nan ven that bawk tur.
	4 (-	Oil palm rah chu a puitlin hunah te, a
) (40)	191	rawng inthlak hunah leh a thlum leh
	\			thur a pai tam hunah seng tur.
Balhla	Flowering stage		+	Balhla kung bul chu tihfai a a zar
	1			thlak bawk tur.
			-	Leitha chu thlai pakhatah
	PMAMIT	(600:200:100g a pek tur.
	(The state of the s	-	Heng micro-nutrients zinc, copper,
	(AIZAVIL CHAN	ILBI.	manganese, iron, boron leh
	1	1		molybdenum te hi an mamawh
	\.	\$		tawka pek tur, a huan pum a chhiat
	1	1 1/4		vek loh nan ven that bawk tur.
) (~	7 2 2	4	A zar thlak ngun hian rannung leh
				natna lakah a veng a, chubak ah
		_ SERCHHIP /		leitha a hek lova, thlai thar a ti tam
				bawk ani.
	1	100	4	A rah chu a puitlin hunah leh a
		- A	(·	rawng eng a nih hunah seng tur.
		Comb weevil and	1	Application of 60 to 100 g of neem
		stem weevil		seed powder or neem cake at planting
	/ 1	UNGLEI		and then at 4 months intervals
	1	/		significantly diminished pest damage
	L. W.	£~~}.		and increased yields.
Sapthei	Transplanting		4	A chi chu a rah hmin tha atanga lak
_	stage	L		ni se, ni 15-20 hnuah nursery siam
	>	1581		tur.
)	1-31 7	4	A hnah 2/3 a rawn awm tan hnu ah
	V.			polythene bag ah phunsawn tur.
	No.	AWNGTLAU	4	Polythene bag atangin thla 3/4 hnu ah
	\ \	SAIHA		huan ah phun sawn leh tur.
	150		. 4	Bawngek leitha chu khur khat ah
		7.50		15g leh NPK 100:50:100g in
		2 1		kumkhat chhungin pek tur.
	1	N A		3 Page

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4 | P a g e

	A par lai	18 1	•	A par chhuah hma nan chemical
	•			(Ethrel 10ppm+2% urea+0.04%
				sodium carbonate) chu pek tur. Tlai
		/		ah emaw thlaiin hnah 32 a neih
		2		hunah pek tur.
		a construction of	4	Chemical pek atangin ni 55-60
		KOLASIB	_	<u> </u>
	4 / /		1	chhungin a par a chhuah thei ang.
) W.	7	-	Leitha chu thlai pakhat ah 60:50:60g
			_	a pek tur.
	3	57776	-	Thlai hnah leh a zar thi te chu
				paihfai a, hnim te tihfai bawk tur.
	Į.	Corm borer	+	Carbofuran 3G chu hectare khatah
	MAMIT			1.5kga.i a pek tur. Hemi hi a zung ah
	ξ	A CHARLE	621	a tuina hnuhma a awmin pek tur
Cucurbitaceous	A rah lai	Culeanie Leuville	4	Ni 7 danah tui chu tha taka pek
crops	1	j)		tur.
	\		4	Huan zau thamah chuan fruitfly
	1	1 5/5		leh pumpkin beetle ven nan
	1	1		carbaryl 0.2% leh malathion
			li i	0.15% chu chini tui litre khatah
		SERCHHIP	V.	10g a pawlhin kar khat danah
		(~		leh a par tan tirhah leh a rah tan
		100		hunah kah tur.
).	the second	. +	Thlai pakhatah a par nasat lain
			Y	urea chu 70g a pek tur.
Bawrhsaiabe A	chin dan	1. Nursery tihfai a	4	A kung bulthut ah hnim chheh
	\ L	tui tlem pek tur.	_	darh tur.
	3	2. Phunsawn hnuah	+	A khat tawkin tui pek tur.
		tui tha taka pek	*	A tiak phunsawn te chu nil eh
	10	tur.		ruah lakah hliahkhuh tur.
French bean A	par lai	V No 6	*	Bean hnah, a tang ro leh hnim
	(9 0)		te chu paihfai vek tur.
			*	Lei chu boruak kal that nan
		1		laihphut thin tur.
			*	A chin atanga ni 20-25 ah bean
	11	AWNGTLAL		kung chu mau in a zamna siam
Downlyho A	ahin dan	SAIHA		tur.
Bawkbawn A	chin dan		•	Balu leh leitha chu lei nen a
		(1)		chawhpawlh hnu in 75-100cm a
	1/4			zau ah a phunna tur siam tur. A

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				chinna lai chu Blue copper 100g
				tui litre 40 ah emaw
		5		formaldehyde nen a pawlhin leih
	1 1	3		tur.
	1	To a second	*	A chi chu 5cm a inhlat a tuh in
/Damata	A alian dan	KOLASIB	- 4	lei pangngai a vur leh tur.
Tomato	A chin dan		-	Nursery tur chu lei dip tha darh
) (2)			leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).
	\$	2 1	4	Leitha 10kg leh bawngek leitha
	}		_	15:15:15 leh carbofuran 2.5g
				chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	4	A chi tha leh khat tha chauh
	J' MAMIT	(hman tur.
	5	AIZAVIL CHAM	PAT	Tui litre 10 ah chi (salt) 250g
		S	ween.	pawlhin chutah chuan chiah
		}		tur.
),		*	Bayistin 50WP @0.1% chu tui
		1 3 5		litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	4	A chin na tur chu 10m a sei ni
	12			se, 1.25m a zau leh tui luanna
		SERCHHIP (tur 20-30cm a zau siam tur. Hei
	}	Mr. American		hian a chi kal ral mai mai tur a
		L. A.		veng.
			1	Leitha pek hnu ah a chi
				damdawi a chiah te chu theh
Vaimim	A chin dan	UNGLE! P	-	tur.
Vaiiiiiii	A chin dan	7	_	Lei chu vawi 2/3 laihphut phawt tur.
	Lane Lane	E	4	A chi chu a line indawt a chin
	11		_	tur
		()	4	A chi chu kg khatah Thiram 4g a
	2			chiah tur.
		1	4	Hectare khatah buh chi chu 20-
	Y	5	. <u>.</u>	25kg hman tur.
	1	AWNGTLAN	*	Bawngek leitha chu hectare
		SAIHA		khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim
	9.0	1 1	Į.	chin hma in lei nen tihpawlh tur.
		L. L.		Nitrogen chu a dose chanve in a
				The specific and a door charve in a
		1 1		5 P a g e

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			chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a
			dang 25% chu a par hunah pek tur.
Sawhthing leh	Land preparation	1	♣ Thlai hnah, a tang ro leh hnim te
Aieng		KOLASIB	chu paihfai vek tur. Lei chu boruak kal that nan
	1 1.		laihphut thin tur.
) 60	7	♣ Nitrogen leitha chu an mamawh
	3		taw kanga pek tur.
	1	Thrips	♣ Roger emaw Monocrophos chu 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
		3 30	tui litre khatah 2.5ml a pawlhin kah tur.
	> MAMIT		kan tur.
	5	Scales CHAN	♣ Quinalphos emaw
		Cultable Leuvil	Monocrotophos cha tai hac
•••)		khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive	1. A natna vei vawk te chu thah a phum tur a ni.
) 0.00	Respiratory	pirum tur a m.
	15	Syndrome (PRRS).	1
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine
	1	V~1~)	pek tur a ni a, he vaccine hi thla
	\ \		ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth	Thla16 a upa an rih in FMD
		Disease (FMD)	vaccine pek tur a nia, thla 6 danah
	1	UNGLE! A	pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	Black Quarter Vaccine (BQ)
	L. W.	8	♣ Thla ruk an tlin hunah vaccine lak tan tur.
	1)1		★ Kumkhat hnu ah vaccine
		501	pek leh tur.
Ar	Kumtluanin (Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine
	4	3	pek tur a nia an puitlin hunah
		Coccidiosis	R ₂ B pek leh tur a ni. 2. Amprolium emaw coccidiostat pek
	1	F SAIHA	tur.
		SMITH	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

Date of issue: 17th June, 2016

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	10	15	15	5	7
Max Temp (°C)	30	28	28	28	27
Min Temp (°C)	23	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	97	99	98	99
Min RH (%)	73	77	69	75	76
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	S-E	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 MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm Champhai- 239.49mm

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Kolasib- 352.38mm (380.9mm)

(341.8mm)

(250.30mm)

Mamit-449.48mm

Serchhip-411.72mm

Lawngtlai-321.51mm (285.5mm)

Lunglei-344.00mm (186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

The temperature range for maximum and minimum were 26.2-29.1°C and 19.4-22.8°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 87-95% & minimum of 41-89%. Rainfall recorded for the past three days is **14.80**

mm. (Source-mosdac.gov.in)
NDVI for Mizoram

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 23°C. Maximum relative humidity is expected in the range of 97-99% and minimum may from 69-76%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 52.0 mm

North East Region

Perstreamfour

1 42 / January J yes

1 27 - 6.3

20 - 6.4

20 - 6.4

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NDVI of soil moisture for Mizoram is moderate wet condition.

Main Crop/ Stage Cultural Agricultural / Horticultural / animal

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Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. Potting mixture of soil, sand and FYM or compost should be in proper ratio. Application of split dose of fertilizer 600: 200:100 (g/pt). Only certified seed should be used. Stagnation of water in beds should be avoided. Seedling of uniform height should be selected for planting. Hooked or bench rooted plants should be discarded. Plant protection measures should be
Oil plam	Vegetative stage	LUNGLEI	followed. Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum
Banana	Flowering stage	LAWNGTLAL	sugar and acid blend. Clear near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper,

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		KOLASIB Comb weevil and	manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour. Application of 60 to 100 g of neem seed
	* MAMIT	stem weevil	powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields.
Passion Fruit	Transplanting stage	LUNGLEI	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	LAWNGTLAL	Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant.
		201	Remove all unwanted leaves, branches and weed near to the plant. 3 P a g e

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Colocasia	Vegetative		wanted plant near base of the
	stage		it dead branches.
			o soil at base of the plant along
	1		oses of fertilizer.
			nage is required to avoid water
		KOLASIB logging.	
	4		with black polythene is found
	1		for both reducing the weed and
	<u>></u>	increasing t	·
	1		3G @1.5 kg a.i./ha applied in
			then egg laying ooze is observed
0	TT	at plant bas	
Cucurbitaceo	Harvesting		rdens apply carbaryl 0.2 per cent
us crop	stage		ion 0.15 per cent suspension sugar or jeggery at 10 g/l at
			intervals at flowering and fruit
			against fruit fly and pumpkin
	4	beetle.	against fruit fry and pumpkin
) 6		mature fruit.
Okra	Vegetative		nwanted plant near base of the
	stage		eut dead branches.
			p soil at base of the plant along
	1		loses of fertilizer.
			inage is required to avoid water
	1,11	logging.	
Cowpea	Vegetative	Remove ur	nwanted plant near base of the
	stage 🔪	plant and cu	it dead branches.
	1		o soil at base of the plant along
			oses of fertilizer.
		DEL TOUR DE LA CONTRACTOR DE LA CONTRACT	nage is required to avoid water
		logging.	
			with black polythene is found
			for both reducing the weed and
		increasing	
Brinjal	Flowering		inwanted plant near base of the
	stage		cut dead branches.
			rgence application of Basalin
		@0.5 ml/	lit of water for reduce grass type

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		1	weed. Mulching with black polythene film
			reduces weed growth, increases the crop growth.
	3 1	1	Split dose of fertilizer application @
		KOLASIB (50kg/ha urea.
Rice	Transplanting	KOLASIB	Land preparation is done by ploughing,
	stage	W. 1	harrowing, and levelling the field to make
	(1 1	it suitable for crop establishment.
	1	F-SIL I	♣ Ploughing should be done 3-4 weeks prior
	1		to sowing.
	Į.		♣ Select disease free seedling with 3-5 leaf
	, MAMIT	(stage.
	5	ANZAWIL	Treat seedling with Bavistin 50 WP @ 0.1% (2 g/lt) solution.
	1	j l	♣ After ploughing, harrowing the field should
	λ,		be done twice, with one week gap between
	1	1 30	the two. First harrowing should be done
	1 (after 1 week of ploughing. The second
	12		harrowing should be done across the first
		SERCHH	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Was Leading	Under good management and adequate nitrogen levels, the optimum spacing for
		554	rice varieties should be around 20x15 cms
		- N	both for kharif and rabi crops.
		CONTRACTOR OF THE PROPERTY OF	Transplanting two to three seedlings per
		LUNGLEI	hill under normal conditions is enough.
	1		Remove the tip of rice seedling which
	1	- E -	reduces stem borer infestation.
Maize	Vegetative		Remove unwanted plant near base of the
	stage		plant and cut dead branches.
		2 1 5 1 5	# Earting up of soil along with fertilizer
			mixture.
			Foliar spray of 0.1 % Endosulfan {2 ml (35)
		LAWNGTLAL	EC) in litre water} at 30 days after
		f SAIHA	
	TT		borer.
Ginger and	Vegetative	1 = 1 1	Remove unwanted plant near base of the
		P N	plant and cut dead branches. 5 P a g e

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turmeric	stage		♣ Pre-emergence application of Atrazine
		KOLASIB	 (Atratraf 50 wp, Gesaprim 500 fw) @ of 1.0-1.5 kg a.i ha-1in 600 litre water, Alachlor (Lasso) @ 2-2.5 kg a.i ha-1, Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1, Pendamethalin (Stomp) @ 1-1.5 kg a.i. ha-1arge effective way for control of many annual and broad leaved weeds. ♣ Earting up of soil along with fertilizer mixture.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage		 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever. SERCHH	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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



District: Champhai Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

Date of issue: 17th June, 2016

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	11	15	15	6	6
Max Temp (°C)	28	27	27	28	27
Min Temp (°C)	23	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	98	98	98
Min RH (%)	79	81	72	73	73
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	S-E	S-E	S	S

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

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

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

(380.9mm)

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

Weather summary of the past three days

temperature range for maximum and minimum were 26.7-28.8°C and 16.3-20.3°C respectively. Partially clear sky was observed. Wind direction is southeasterly. Maximum RH observed 84-97% & minimum of 58-92%. Rainfall recorded for davs

15.50mm. (Source-

three

mosdac.gov.in)

past

The

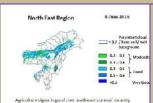
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NDVI for Mizoram

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 23°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 73-81%. Wind direction would be easterly to southeasterly to southerly and easterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 53.0 mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	Stage	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	nusbandry advisories
	N	Diseases	Dr. goods Cood should be sown in the
Khasi	Nursery stage		By seeds: Seed should be sown in the
Mandarin and		V - construents	nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm
acid lime		KOLASIB	-
	1	[A]	distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.
	- (7 4 1	Potting mixture of soil, sand and FYM or
	7		compost should be in proper ratio.
	1	2 5	Application of split dose of fertilizer 600:
			200:100 (g/pt).
	S MAMIT		Unly certified seed should be used.
	2 William	1	Stagnation of water in beds should be
	1	A AIZAVVL	avoided.
	\ \{\langle}	1	♣ Seedling of uniform height should be
	1	S	selected for planting.
	1	1 1/01	Hooked or bench rooted plants should be
	1 0		discarded.
			♣ Plant protection measures should be
		SERCHH	P /followed.
Oil plam	Vegetative	Wille	♣ Cleaning near base of the plant and cut
	stage		unwanted branches.
			4 Application of split dose of fertilizer 600:
			200:100 (g/pt).
		LUNGLEI	Apply micro-nutrients viz. zinc, copper,
	3		manganese, iron, boron and molybdenum
		2.2	are required in ample quantities for
	- 3	V (supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		100	whole orchard.
		1 6 8	Fruits are harvested when they attain full
		Y Y	size, develop attractive colour with optimum sugar and acid blend.
Banana	Flowering	LAWNGTLA	Clear near base of the plant and cut
Danana	stage	SAIHA	-
	stage	III (SMITH	Application of split dose of fertilizer 600:
			200:100 (g/pt).
	l	0 0	

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		KOLASIB	 Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
	MAMIT	Comb weevil and stem weevil	Application of 60 to 100 g of neem seed powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields.
Passion Fruit	Transplanting stage	LUNGLEI	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	LAWNGTLAI	 ♣ Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. ♣ The flowering emergence will come out

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			rued receive the along
Colonaria	TTo make Aires		weed near to the plant.
Colocasia	Vegetative		Remove unwanted plant near base of the
	stage		plant and cut dead branches.
	2.1	1 1	♣ Earthing up soil at base of the plant along
		T	with split doses of fertilizer.
		KOLASIB	♣ Proper drainage is required to avoid water
	4		logging.
	1	W)	# Mulching with black polythene is found
		4	beneficial for both reducing the weed and
			increasing the yield.
		Corm borer	Carbofuran 3G @1.5 kg a.i./ha applied in
	*		root zone when egg laying ooze is observed
) MAMIT	(at plant base.
Cucurbitaceo	Harvesting	Z AIZAVVL	♣ In large gardens apply carbaryl 0.2 per cent
us crop	stage	A	or malathion 0.15 per cent suspension
		7	containing sugar or jeggery at 10 g/l at
	1		fortnightly intervals at flowering and fruit
		1 1	initiation against fruit fly and pumpkin
	1.0		beetle.
	11		Harvest all mature fruit.
Okra	Vegetative	SERCHH	Remove unwanted plant near base of the
	stage	IV. Land	plant and cut dead branches.
	1		Earthing up soil at base of the plant along
	4		with split doses of fertilizer.
			Proper drainage is required to avoid water
		LUNGLEI	logging.
Cowpea	Vegetative		Remove unwanted plant near base of the
	stage	500	plant and cut dead branches.
		A Y	Earthing up soil at base of the plant along
			with split doses of fertilizer.
		70	Proper drainage is required to avoid water
		1 L7 Y	logging.
		(Y	Mulching with black polythene is found
		A STATE OF THE STA	beneficial for both reducing the weed and
D • • •	T1 •	LAWNGTLAL	increasing the yield.
Brinjal	Flowering	A SAIHA	1
	stage		plant and cut dead branches.
			Pre emergence application of Basalin

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		@0.5 ml/lit of water for reduce grass type
		weed.
	The state of the s	↓ Mulching with black polythene film
	1.7	reduces weed growth, increases the crop
	1	growth.
		Split dose of fertilizer application @
		50kg/ha urea.
Rice	Transplanting	♣ Land preparation is done by ploughing,
	stage	harrowing, and levelling the field to make
		it suitable for crop establishment.
	1	♣ Ploughing should be done 3-4 weeks prior
		to sowing.
	} MAMIT	Select disease free seedling with 3-5 leaf
	2 Same	stage
	3	Treat seedling with Bavistin 50 WP @
		0.1% (2 g/lt) solution.
	1	♣ After ploughing, harrowing the field should
	1	be done twice, with one week gap between
) (>	the two. First harrowing should be done
		after 1 week of ploughing. The second
		SERCHHP / harrowing should be done across the first
		harrowing.
	1	↓ Under good management and adequate
		nitrogen levels, the optimum spacing for
	J.C.	rice varieties should be around 20x15 cms
		both for kharif and rabi arons
	\ \	Transplanting two to three seedlings per
	T.	hill under normal conditions is enough.
	1	Remove the tip of rice seedling which
		reduces stem borer infestation.
Maize	Vegetative	Remove unwanted plant near base of the
	stage	plant and cut dead branches.
		Earting up of soil along with fertilizer
		mixture.
		↓ Foliar spray of 0.1 % Endosulfan {2 ml (35)
		EC) in litre water} at 30 days after
		germination is very effective against stem
		borer.
Ginger and	Vegetative	Remove unwanted plant near base of the
		5 P a g e

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turmeric	stage		plant and cut dead branches.
			♣ Pre-emergence application of Atrazine
		F -	(Atratraf 50 wp, Gesaprim 500 fw) @ of
	1/2	1	1.0-1.5 kg a.i ha-1in 600 litre water,
		1	Alachlor (Lasso) @ 2-2.5 kg a.i ha-1,
		KOLASIB	Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1,
	4	. (Pendamethalin (Stomp) @ 1-1.5 kg a.i. ha-
	1	W)	large effective way for control of many annual and broad leaved weeds.
	>		Larting up of soil along with fertilizer
	1	7 5	mixture.
Kharif pulses	Sowing stage	7	↓ Land preparation or sowing in pits
(Green gram,	MAMIT		Inorganic fertilizer like Urea, SSP and
Black gram and	5	A Annual	MOP @ 20: 60: 40 kg.
Rajma)	1	AIZAVIL	4 Use PSB 2g/kg for better germination.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	1
		Respiratory	
	R. O	Syndrome	
	11	(PRRS).	2
	Adult stage	Swine fever.	1 0
	1	Y/ La	months and yearly interval/6 month
			interval
Cattle	All age group	Foot and Mouth	FMD vaccine at 16 week and repeat every
		Disease (FMD)	6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	Primary vaccination 6 month or above
Do14	Admit stage	W. Danildad	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Pouls atoms		17 Dec 19
	Early stage	Coccidiosis	Amprolium or coccidiostat
			A.
		Vi III	(Q)

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/Mizo

Date of issue: 17th June, 2016

			The state of the s		
Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	11	15	15	6	6
Max Temp (oC)	28	27	27	28	27
Min Temp (oC)	23	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	98	98	98
Min RH (%)	79	81	72	73	73
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	S-E	S-E	S	S

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm

Champhai- 239.49mm

Saiha- 109.52 mm

Kolasib- 352.38mm

(341.8mm)

(250.30mm)

(87.2mm)

(380.9mm)

Lawngtlai-321.51mm

Lunglei-344.00mm

Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Ni thum kaltha sik leh sa dinhmun tlangpui

Khua a lum lai berin 26.7-28.8°C leh a vawh lai berin 16.3-20.3°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 84-97% leh a hniam lai 58-92% ani ang. Ni 3 kal ta ruah tla zatchu chhung 15.50mm (Sourceani.

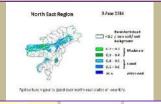
Mosdac.gov.in)

NDVI for Mizoram

June 18, 2016 atanga June 22, 2016 sik leh

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 27-29°C a ni ang a.A vawh lai ber in 23°C ni tur ah beisei a ni.RH san lai berin 98-99% leh a hniam lai berin 73-81% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 53.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna	Agricultural/Horticultural/ animal husbandry atana thurawn
/ Sangna		hrik awm thei te	nusbanury atana thurawn
Serthlum	Nursery stage	KOLASIB	A chi: A chi chu lakchhuah anih veleh nurseey ah a thuk zawng 1.5-2cm leh 10X5cm a inhlat a chin tur. A rawn chawr chu polythene bag ah hnah 4-6 a neih hunah phun sawn
	}	Z_(tur. Nursery chu rannung leh a damlohna dang laka ven nan ser huan atanga
	j		meter 500 a hla ah dah tur.
	MAMIT	AIZAVIL CHAM	Lei, balu leh bawngek leitha chu a inzat theuha pawlhin pek tur.
	}		 Bawngek leitha chu thlai pakhat ah 600:200:100g a pek tur. Certified thlai chi chauh hman tur.
	À.	1 505	♣ Ser kung bula tuitling chu paihfai
	35		vek tur. 4 A tiak inchen tlang chauh phun atan
	£	SERCHHIP (hman tur. A zar tliak leh hnip chu paih fai zel
	3		tur. Thlai chu hrisel taka enkawl tur.
Oil palm	Vegetative stage	4	Oil palm kung bul chu tihfai a a zar thlak bawk tur.
	stage	UNGLEI	♣ Leitha chu thlai pakhatah
	1	E	600:200:100g a pek tur. ♣ Heng micro-nutrients zinc, copper,
	P.	1	manganese, iron, boron leh molybdenum te hi an mamawh
	3	C87 3	tawka pek tur, a huan pum a chhiat vek loh nan ven that bawk tur.
	(4	Oil palm rah chu a puitlin hunah te, a rawng inthlak hunah leh a thlum leh
	1:	AWNGTLAI SAIHA	thur a pai tam hunah seng tur
	4.0	7 ~ [Oil palm kung bul chu tihfai a a zar thlak bawk tur.
			♣ Leitha chu thlai pakhatah
		1 1/4	2 P a g e

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				600:200:100g a pek tur.
			4	Heng micro-nutrients zinc, copper,
		1		manganese, iron, boron leh
	1	/		molybdenum te hi an mamawh
		X .		tawka pek tur, a huan pum a chhiat
		KOLASIB		vek loh nan ven that bawk tur.
	/)	NULASIBI	4	Oil palm rah chu a puitlin hunah te, a
	1 60	\	-	rawng inthlak hunah leh a thlum leh
	(3 4 /		thur a pai tam hunah seng tur.
Balhla	Flowering stage		4	Balhla kung bul chu tihfai a a zar
	110110111111111111111111111111111111111	7	_	thlak bawk tur.
			4	Leitha chu thlai pakhatah
	MAMIT		_	600:200:100g a pek tur.
	2 *********	Α	4	Heng micro-nutrients zinc, copper,
	3(1)	AIZAWL CHAM	PAI	manganese, iron, boron leh
	1	3		molybdenum te hi an mamawh
		\$		tawka pek tur, a huan pum a chhiat
	1			vek loh nan ven that bawk tur.
) (. 4	A zar thlak ngun hian rannung leh
				natna lakah a veng a, chubak ah
		_ SERCHHIP /		leitha a hek lova, thlai thar a ti tam
		(~		bawk ani.
		100	4	A rah chu a puitlin hunah leh a
		the second	()	rawng eng a nih hunah seng tur.
		Comb weevil and	4	Application of 60 to 100 g of neem
		stem weevil		seed powder or neem cake at planting
) L	UNGLEI		and then at 4 months intervals
		- /		significantly diminished pest damage
	A Source	E ~~		and increased yields.
Sapthei	Transplanting	A C	4	A chi chu a rah hmin tha atanga lak
	stage	(a a		ni se, ni 15-20 hnuah nursery siam
	3			tur.
		200	4	A hnah 2/3 a rawn awm tan hnu ah
	The second secon		į.	polythene bag ah phunsawn tur.
	1	AWNGTLAL	4	Polythene bag atangin thla ¾ hnu ah
		≠ SAIHA		huan ah phun sawn leh tur.
	4.0	1	ļ +	Bawngek leitha chu khur khat ah
		- FU		15g leh NPK 100:50:100g in
	0			kumkhat chhungin pek tur.
		1 1		3 P a g e

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



4 | P a g e

Lakhuihthei	A par lai		4	A par chhuah hma nan chemical
	•			(Ethrel 10ppm+2% urea+0.04%
				sodium carbonate) chu pek tur. Tlai
		/		ah emaw thlaiin hnah 32 a neih
) \	2		hunah pek tur.
			4	Chemical pek atangin ni 55-60
		KOLASIB		<u> </u>
	4 1	200	-	chhungin a par a chhuah thei ang.
) 10	7 2)	-	Leitha chu thlai pakhat ah 60:50:60g
	5	2		a pek tur.
	3	Samuel Control	-	Thlai hnah leh a zar thi te chu
				paihfai a, hnim te tihfai bawk tur.
	- E	Corm borer	+	Carbofuran 3G chu hectare khatah
) MAMIT	(1.5kga.i a pek tur. Hemi hi a zung ah
	\$	Access Course	831	a tuina hnuhma a awmin pek tur
Cucurbitaceous	A rah lai	CHIEDRIE CHAIN	4	Ni 7 danah tui chu tha taka pek
crops	1	j)		tur.
	\ \.		4	Huan zau thamah chuan fruitfly
		1 1 5 5		leh pumpkin beetle ven nan
) [~	1 1		carbaryl 0.2% leh malathion
	(1.0)			0.15% chu chini tui litre khatah
		SERCHHIP /	0	10g a pawlhin kar khat danah
		(~		leh a par tan tirhah leh a rah tan
	Name of the last o	Will the State of		hunah kah tur.
		L. J.	+	Thlai pakhatah a par nasat lain
			N	urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a	4	A kung bulthut ah hnim chheh
	\ L	tui tlem pek tur.		darh tur.
		2. Phunsawn hnuah	*	A khat tawkin tui pek tur.
		tui tha taka pek	*	A tiak phunsawn te chu nil eh
- · · ·	1. 10	tur.	-	ruah lakah hliahkhuh tur.
French bean	A par lai		-	Bean hnah, a tang ro leh hnim
	\(\lambda_{\cdots}\)	9 3		te chu paihfai vek tur.
			-	Lei chu boruak kal that nan
	1	3	_	laihphut thin tur.
			*	A chin atanga ni 20-25 ah bean
	11	AWNGTLAY		kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan	SAIHA	4	Balu leh leitha chu lei nen a
Dawknamii	A CHIH UAH	-	. *	chawhpawlh hnu in 75-100cm a
		- Pul		zau ah a phunna tur siam tur. A
	C			Zau an a piruma tur siam tur. A

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Tomato	A chin dan	KOLASIB	+	chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur. Nursery tur chu lei dip tha darh
	} ~~	£ 1	#	leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se). Leitha 10kg leh bawngek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	+ t PAT +	A chi tha leh khat tha chauh hman tur. Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method SERCHHIP	+	A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan	AWNGTLAN SAIHA	+ + + +	Lei chu vawi 2/3 laihphut phawt tur. A chi chu a line indawt a chin tur A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.

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			chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation	KOLASIB	 Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. Lei chu boruak kal that nan laihphut thin tur. Nitrogen leitha chu an mamawh taw kanga pek tur.
	MAMIT	Thrips	Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
	\$	Scales CHAM	Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever CHHIP	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	 Black Quarter Vaccine (BQ) Thla ruk an tlin hunah vaccine lak tan tur. Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
	_	Coccidiosis SAIHA	2. Amprolium emaw coccidiostat pek tur.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

Date of issue: 17th June, 2016

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	10	15	10	5	7
Max Temp (°C)	30	29	28	29	28
Min Temp (°C)	23	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	97	99	98	98
Min RH (%)	75	77	69	76	79
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S	S

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

(87.2mm)

Kolasib- 352.38mm

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

Mamit-449.48mm

(380.9mm) Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

The temperature range for maximum and minimum were 26.8-29.1°C and 21.8-23.4°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 95-100% & minimum of 70-87%. Rainfall recorded for the three davs past 102.60mm. (Source-

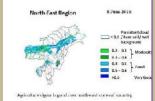
NDVI for Mizoram

mosdac.gov.in)

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

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 28-30°C and 23°C. Maximum relative humidity is expected in the range of 97-99% and minimum may from 69-79%. Wind direction would be southeasterly to easterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 47.0 mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Cron/	Storo	Cultural	Agricultural / Horticultural/ animal
Main Crop/ Animal	Stage	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	nusbandry advisories
	Name of the second	Diseases	Dry goodge Cood should be sown in the
Khasi Mandarin and	Nursery stage		By seeds: Seed should be sown in the nursery immediately after extraction in to a
acid lime		V CONTRACTOR	depth 1.5 to 2 cm extraction at 10x5 cm
acid lime		KOLASIB	distance. Seedlings are planted in secondary
	1	4.4	bed or polythene bags at 4-6 leaf stages.
	(3 4 /	Potting mixture of soil, sand and FYM or
	7		compost should be in proper ratio.
	1	7 6 5	♣ Application of split dose of fertilizer 600:
	J	3	200:100 (g/pt).
	MAMIT		♣ Only certified seed should be used.
	Z mantitude		♣ Stagnation of water in beds should be
		AIZAVIL	avoided.
	\ \	J N	♣ Seedling of uniform height should be
	\\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\		selected for planting.
			Hooked or bench rooted plants should be
	1 0		discarded.
	12		♣ Plant protection measures should be
		SERCHH	
Oil plam	Vegetat <mark>ive</mark>	Value Language	Cleaning near base of the plant and cut
	stage	352	unwanted branches.
		2.7	Application of split dose of fertilizer 600:
			200:100 (g/pt).
		LUNGLEI	Apply micro-nutrients viz. zinc, copper,
	1		manganese, iron, boron and molybdenum
	L.	5%	are required in ample quantities for supplying nutrients and also reduce serious
			disorders which may lead to decline of the
			whole orchard.
			Fruits are harvested when they attain full
) 6-31 X	size, develop attractive colour with optimum
		Y	sugar and acid blend.
Banana	Flowering	LAWNGTLAU	Clear near base of the plant and cut
	stage	/ SAIHA	_
			♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
		201	- LE - C

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		KOLASIB	 Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
	MAMIT	Comb weevil and stem weevil	→ Application of 60 to 100 g of neem seed powder or neem cake at planting and then at 4 months intervals significantly diminished pest damage and increased yields.
Passion Fruit	Transplanting	LUNGLEI	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	LAWNGTLAI	Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out

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Colocasia Vegetative stage **Remove unwanted plant near base of the plant and cut dead branches.** Earthing up soil at base of the plant along with split doses of fertilizer. Proper drainage is required to avoid water logging. Mulching with black polythene is found beneficial for both reducing the weed and increasing the yield. Corm borer Cucurbitaceo us crop **Harvesting stage** **In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. **Harvest all mature fruit.** Okra Vegetative stage** Cowpea Vegetative stage** **Proper drainage is required to avoid water logging. Cowpea vegetative stage** **Remove unwanted plant near base of the plant and cut dead branches. Earthing up soil at base of the plant along with split doses of fertilizer. Proper drainage is required to avoid water logging. Remove unwanted plant near base of the plant and cut dead branches. Earthing up soil at base of the plant along with split doses of fertilizer. Proper drainage is required to avoid water logging. **Proper drainage is required to avoid water logging.				rued receive the along
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LAWNGTLAL increasing the yield.			LAWNGTLAL	
	Brinjal	Flowering	# SAIHA	
stage plant and cut dead branches.	•	_		
		J		Pre emergence application of Basalin

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@0.5 ml/lit of water for reduce grass type weed. Mulching with black polythene film reduces weed growth, increases the crop growth. Split dose of fertilizer application @50kg/ha urea. Land preparation is done by ploughing, harrowing, and levelling the field to make it suitable for crop establishment. Ploughing should be done 3-4 weeks prior to sowing. Select disease free seedling with 3-5 leaf stage. Treat seedling with Bavistin 50 WP @0.1% (2 g/lt) solution. After ploughing, harrowing the field should be done twice, with one week gap between the two. First harrowing should be done after 1 week of ploughing. The second harrowing should be done across the first harrowing. Under good management and adequate nitrogen levels, the optimum spacing for rice varieties should be around 20x15 cms both for kharif and rabi crops. Transplanting two to three seedlings per hill under normal conditions is enough. Remove the tip of rice seedling which reduces stem borer infestation.
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Remove the tip of rice seedling which
reduces stem borer infestation.
Maize Vegetative Remove unwanted plant near base of the
stage plant and cut dead branches.
Earting up of soil along with fertilizer
mixture.
Foliar spray of 0.1 % Endosulfan {2 ml (35 EC) in litre water} at 30 days after
EC) in litre water} at 30 days after germination is very effective against stem
borer.
Ginger and Vegetative ♣ Remove unwanted plant near base of the
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turmeric	stage		plant and cut dead branches.
			♣ Pre-emergence application of Atrazine
			(Atratraf 50 wp, Gesaprim 500 fw) @ of 1.0-1.5 kg a.i ha-1in 600 litre water,
	7 /	1	Alachlor (Lasso) @ 2-2.5 kg a.i ha-1,
		KOLASIB	Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1,
	Į.	NOLKOID >	Pendamethalin (Stomp) @ 1-1.5 kg a.i. ha-
		(A)	large effective way for control of many
	5		annual and broad leaved weeds.
	5	5 6	Larting up of soil along with fertilizer
Kharif pulses	Coming store		mixture. ♣ Land preparation or sowing in pits
(Green gram,	Sowing stage		
Black gram and	1	Augustus 1	MOP @ 20: 60: 40 kg.
Rajma)	1	ANZAVIL	
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	λ,	Reproductive	
)	Respiratory	_ /
	1 1	Syndrome (PRRS).) }
	Adult stage	Swine fever.	P 2. Vaccination of pigs with SF vaccines at 2
	Adult stage	V	months and yearly interval/6 month
	1		interval
Cattle	All age gr <mark>oup</mark>	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	1	(BQ)	Primary vaccination 6 month or above
Dou 14	Adult store	Ranikhet	Revaccination annually
Poultry	Adult stage	Disease.	F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
		()	γ

LAWNGTLA

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SAIHA

LAVVNGTLA

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/Mizo

Date of issue: 17th June, 2016

Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	10	15	10	5	7
Max Temp (oC)	30	29	28	29	28
Min Temp (oC)	23	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	97	99	98	98
Min RH (%)	75	77	69	76	79
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S	S

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

STATUS OF MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 383.68mm

Champhai- 239.49mm

Saiha- 109.52 mm

Kolasib- 352.38mm

(341.8mm)

(250.30mm)

(87.2mm)

(380.9mm)

Lawngtlai-321.51mm

Lunglei-344.00mm

Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Ni thum kaltha sik leh sa dinhmun tlangpui

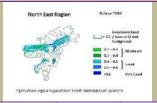
Khua a lum lai berin 26.8-29.1°C leh a vawh lai berin 21.8-23.4°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 95-100% leh a hniam lai 70-87% ani ang. Ni 3 kal ta ruah tla zatchu chhung а 102.60mm (Sourceani.

Mosdac.gov.in)
NDVI for Mizoram

June 18, 2016 atanga June 22, 2016 sik leh

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 28-30°C a ni ang a.A vawh lai ber in 23°C ni tur ah beisei a ni.RH san lai berin 97-99% leh a hniam lai berin 69-79% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 47.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna	Agı	ricultural/Horticultural/ animal husbandry atana thurawn
, su-g		hrik awm thei te		
Serthlum	Nursery stage	(4	A chi: A chi chu lakchhuah anih
	1 1			veleh nurseey ah a thuk zawng 1.5-
		KOLASIB		2cm leh 10X5cm a inhlat a chin tur.
	1 1	NOLEKOILI .		A rawn chawr chu polythene bag ah
) (2)			hnah 4-6 a neih hunah phun sawn
	(3 1		tur.
	{		+	Nursery chu rannung leh a damlohna
	1			dang laka ven nan ser huan atanga
	Į.	/	_	meter 500 a hla ah dah tur.
) MAMIT	(*	Lei, balu leh bawngek leitha chu a
	5	AIZAVIL CHAM	1204	inzat theuha pawlhin pek tur.
		CHESTILE COMM	-	Bawngek leitha chu thlai pakhat ah
)		600:200:100g a pek tur.
	λ.		*	Certified thlai chi chauh hman tur.
		()))]	-	Ser kung bula tuitling chu paihfai
	((~		4	vek tur.
	ナノ		_	A tiak inchen tlang chauh phun atan hman tur.
		SERCHHIP (4	A zar tliak leh hnip chu paih fai zel
		M. Lay	_	tur.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		. 4	Thlai chu hrisel taka enkawl tur.
Oil palm	Vegetative		1	Oil palm kung bul chu tihfai a a zar
Oir puiii	stage	7		thlak bawk tur.
	Stage	UNGLE	4	Leitha chu thlai pakhatah
	7	1	,	600:200:100g a pek tur.
		5	4	Heng micro-nutrients zinc, copper,
	10		-	manganese, iron, boron leh
	P			molybdenum te hi an mamawh
)	1 ()		tawka pek tur, a huan pum a chhiat
		THE YEAR		vek loh nan ven that bawk tur.
	Vi.	, L	4	Oil palm rah chu a puitlin hunah te, a
	No.	AWNGTLAL		rawng inthlak hunah leh a thlum leh
	No.	SAIHA	l.	thur a pai tam hunah seng tur
	10		ļ. 4	Oil palm kung bul chu tihfai a a zar
		col .		thlak bawk tur.
			-	Leitha chu thlai pakhatah
		1 1/4 /4		2 P a g e

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				600:200:100g a pek tur.
			4	Heng micro-nutrients zinc, copper,
		2	_	manganese, iron, boron leh
				<i>C</i> , ,
	7 1	1		molybdenum te hi an mamawh
	LA)		tawka pek tur, a huan pum a chhiat
		KOLASIB		vek loh nan ven that bawk tur.
	4 1		-	Oil palm rah chu a puitlin hunah te, a
) (40)	191	rawng inthlak hunah leh a thlum leh
	\ \		-	thur a pai tam hunah seng tur.
Balhla	Flowering stage	STATE	-	Balhla kung bul chu tihfai a a zar
		5	_	thlak bawk tur.
	- Ł		-	Leitha chu thlai pakhatah
	J' MAMIT	(600:200:100g a pek tur.
	5	AIZAVIL CHAN	100	Heng micro-nutrients zinc, copper,
	1	Cultimity Court	in the	manganese, iron, boron leh
	\ \	j)		molybdenum te hi an mamawh
	Δ.			tawka pek tur, a huan pum a chhiat
				vek loh nan ven that bawk tur.
	1	1 1	4	A zar thlak ngun hian rannung leh
))			natna lakah a veng a, chubak ah
	F	SERCHHIP /	1	leitha a hek lova, thlai thar a ti tam
	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		bawk ani.
	1		4	A rah chu a puitlin hunah leh a
		1	No.	rawng eng a nih hunah seng tur.
		Comb weevil and	4	Application of 60 to 100 g of neem
		stem weevil		seed powder or neem cake at planting
) ·	ONOLEI		and then at 4 months intervals
	1	_ (significantly diminished pest damage
	100	{~~}		and increased yields.
Sapthei	Transplanting		4	A chi chu a rah hmin tha atanga lak
	stage	1 6 6		ni se, ni 15-20 hnuah nursery siam
	2			tur.
	7	1	4	A hnah 2/3 a rawn awm tan hnu ah
	Y			polythene bag ah phunsawn tur.
	1.1	AWNGTLAL	4	Polythene bag atangin thla 3/4 hnu ah
	N AV	₹ SAIHA	li .	huan ah phun sawn leh tur.
	10(-	ļ. 4	Bawngek leitha chu khur khat ah
		1		15g leh NPK 100:50:100g in
	6	1		kumkhat chhungin pek tur.
	(-)	1 N V		3 P a g e

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4 | P a g e

Lakhuihthei	A par lai		4	A par chhuah hma nan chemical
	•			(Ethrel 10ppm+2% urea+0.04%
		6		sodium carbonate) chu pek tur. Tlai
		/		ah emaw thlaiin hnah 32 a neih
	3 1 2	2		hunah pek tur.
			4	Chemical pek atangin ni 55-60
		KOLASIB	_	<u> </u>
	4 /		-	chhungin a par a chhuah thei ang.
) W.	7 - 7	-	Leitha chu thlai pakhat ah 60:50:60g
	\ \	2 (a pek tur.
	3	STATE OF THE PARTY	-	Thlai hnah leh a zar thi te chu
				paihfai a, hnim te tihfai bawk tur.
	-	Corm borer	+	Carbofuran 3G chu hectare khatah
) MAMIT	(1.5kga.i a pek tur. Hemi hi a zung ah
	(Janeary Journ	150	a tuina hnuhma a awmin pek tur
Cucurbitaceous	A rah lai	Chilesule Teuvil	1	Ni 7 danah tui chu tha taka pek
crops	\	5		tur.
	\.		4	Huan zau thamah chuan fruitfly
	1	1 185		leh pumpkin beetle ven nan
) /			carbaryl 0.2% leh malathion
				0.15% chu chini tui litre khatah
		SERCHHIP /	0	10g a pawlhin kar khat danah
		(~		leh a par tan tirhah leh a rah tan
	No.			hunah kah tur.
		L. Al	. +	Thlai pakhatah a par nasat lain
		20	X	urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a	4	A kung bulthut ah hnim chheh
	\ L	tui tlem pek tur.	_	darh tur.
	3	2. Phunsawn hnuah	+	A khat tawkin tui pek tur.
	1	tui tha taka pek	+	A tiak phunsawn te chu nil eh
	10	tur.	-	ruah lakah hliahkhuh tur.
French bean	A par lai		-	Bean hnah, a tang ro leh hnim
		9 0	-	te chu paihfai vek tur.
	3		-	Lei chu boruak kal that nan
		200	-	laihphut thin tur.
			*	A chin atanga ni 20-25 ah bean
	11	AWNGTLAL		kung chu mau in a zamna siam
D11	A status dis	SAIHA	j.	tur.
Bawkbawn	A chin dan	-	ļ. "	Balu leh leitha chu lei nen a
		(m)		chawhpawlh hnu in 75-100cm a
				zau ah a phunna tur siam tur. A

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hman tur. Tui [itre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur. A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. A chi chu a line indawt a chin tur. A chi chu a line indawt a chin tur. A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.		57		+	chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. A chi chu 5cm a inhlat a tuh in
Raised bed method Raised bed method Raised bed method SERCHHIP A chi tha leh khat tha chauh ham tur. Raised bed method Raised bed method A chin dan A chin dan dan A chin dan dan dan dan dan dan dan dan dan da			KOLASIB		
Leitha 106g leh bawngek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.	Tomato	A chin dan	THO EXCHANGE	*	
Buh Nursery stage Pre kharif rice A chi tha leh khat tha chauh hman tur. Tui (litre 10 ah chi (salt) 250g pawhlin chutah chuan chiah tur. Bavistin 50WP @0.1% chu tui litre khatah 2g a pawhlin a chi chi chiah tur. Raised bed method SERCHHIP Raised bed method SERCHHIP A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. A chi chu a line indawt a chin tur A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N. P205 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.) W			
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Raised bed method Raised bed method SERCHHIP Vaimim A chin dan A chin dan A chin dan CHANNITA A chi chu kakatah Dawa tur. A chi chu vawi 2/3 laihphut phawt tur. A chi chu a line indawt a chiah tur. Lei chu vawi 2/3 laihphut phawt tur. A chi chu a line indawt a chiah tur. A chi chu a line indawt a chiah tur. A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.		\		_	
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Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur. Raised bed method SERCHHIP Raised bed method A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. Lei chu vawi 2/3 laihphut phawt tur. A chi chu a line indawt a china tur. A chi chu a line indawt a china tur. Hectare khatah buh chi chu 20-25kg hman tur. Kawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.	Buh	Nursery stage	Pre kharif rice	4	A chi tha leh khat tha chauh
Pawistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur. Raised bed method SERCHHIP Raised bed method SERCHHIP Raised bed method SERCHHIP A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. A chi chu vawi 2/3 laihphut phawt tur. A chi chu a line indawt a chin tur A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P205 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.		J' MAMIT	(
Raised bed method Raised bed method SERCHHIP Vaimim A chin dan Raised bed method SERCHHIP Raised bed method SERCHHIP A chin na tur chu 10m a sei mi se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. Lei chu vawi 2/3 laihphut phawi tur. A chi chu a line indawt a chin tur A chi chu a line indawt a chin tur A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P205 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.		§ .	AZAVIL CHAM	PAT	` ,
Raised bed method SERCHHIP Raised bed method SERCHHIP Raised bed method SERCHHIP Raised bed method SERCHHIP A chin na tur chu 10m a sei mi se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. He hian a chi kal ral mai mai tur a veng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. Lei chu vawi 2/3 laihphut phawt tur. A chi chu a line indawt a chin tur A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.				ALI KASAN	- /
Raised bed method SERCHHIP Raised bed method SERCHHIP A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a yeng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. Lei chu vawi 2/3 laihphut phawt tur. A chi chu a line indawt a chin tur A chi chu kg khatah Thiram 4g a chiah tur. A chi chu kg khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.)	1	-	
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Raised bed method SERCHHIP A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a yeng. Leitha pek hnu ah a chi damdawi a chiah te chu theh tur. Lei chu vawi 2/3 laihphut phawi tur. A chi chu a line indawt a chin tur A chi chu kg khatah Thiram 4g a chiah tur. Hectare khatah buh chi chu 20-25kg hman tur. Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur.			1 7 7 -		
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			SAIHA		P2O5 leh K20 hman tur. Vaimim
Nitrogen chu a dose chanve in a			77		chin hma in lei nen tihpawlh tur.
					Nitrogen chu a dose chanve in a
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			chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek
Sawhthing leh Aieng	Land preparation	KOLASIB	tur. 4 Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. 4 Lei chu boruak kal that nan laihphut thin tur. 4 Nitrogen leitha chu an mamawh taw kanga pek tur.
	} MAMIT	Thrips	Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
	1	Scales CHAN	Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever CHHIP	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	 Black Quarter Vaccine (BQ) Thla ruk an tlin hunah vaccine lak tan tur. Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
	1	Coccidiosis	2. Amprolium emaw coccidiostat pek tur.

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District: Lawngtlai Period: 18 June - 22 June, 2016

Bulletin No: - 611/2016/ Bulletin/English

	100M 100M	J.			
Parameters	18.06.2016	19.06.2016	20.06.2016	21.06.2016	22.06.2016
Rainfall (mm)	10	15	10	5	3
Max Temp (°C)	30	29	30	30	30
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	96	96	97	96	96
Min RH (%)	67	68	62	64	63
Wind Speed (KmpH)	5	4	4	4	4
*Wind Direction	F	F	ਸ	ਜ	F

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 MONSOON- May 1-31, 2016 (Percent of deviation from normal in parenthesis)

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

Saiha- 109.52 mm (87.2mm)

Kolasib- 352.38mm (380.9mm)

(341.8mm) Lawngtlai-321.51mm

Lunglei-344.00mm

Mamit-449.48mm

Serchhip-411.72mm

(285.5mm)
Weather summary of the na

(186.21mm)

Cultural

(442.80mm)

(25.9mm)

Weather summary of the past three days

Weather forecast valid from 18th June, 2016 To 22nd June, 2016.

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 29-30°C and 23°C. Maximum relative humidity is expected in the range of 96-97% and minimum may from 62-68%. Wind direction would be easterly with the wind speed of 4-5 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 43.0 mm

	Weeking Co	L
NDVI for Mizoram	North East Region 8.June 2016	1
	Persistent - ce J flave ear - subgrous - a - a - a - b - a - a - a - b - a - a - a - b - a - a - a - b - a - a - a - b - a - a - a - a - b - a - a - a - a - a - a - a - a - a -	ľ

NDVI of soil moisture for Mizoram is moderate wet condition.

Date of issue: 17th June, 2016

Agricultural / Horticultural/ animal

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Stage

E-mail: kolasib.amfu@gov.in

Main Crop/



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Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. Potting mixture of soil, sand and FYM or compost should be in proper ratio. Application of split dose of fertilizer 600: 200:100 (g/pt). Only certified seed should be used. Stagnation of water in beds should be avoided. Seedling of uniform height should be selected for planting. Hooked or bench rooted plants should be discarded. Plant protection measures should be
Oil plam	Vegetative stage	LUINGLEI	followed. Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Fruits are harvested when they attain full size, develop attractive colour with optimum
Banana	Flowering stage	LAWNGTLAL	sugar and acid blend. Clear near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper,

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		KOLASIB Comb weevil and	manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour. Application of 60 to 100 g of neem seed
	} MAMIT	stem weevil	powder or neem cake at planting and then at 4 months intervals significantly diminished
Passion Fruit	Transplanting stage		 pest damage and increased yields. High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings.
	1	SERCHH	 A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene.
	1	LUNGLEI	Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage		Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out
		LAWNGTLAL	after 55-60 days after chemical spraying.

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Colocasia	Vegetative		♣ Remove unwanted plant near base of the
	stage		plant and cut dead branches.
			Larthing up soil at base of the plant along
	7 1	- 1 3	with split doses of fertilizer.
			♣ Proper drainage is required to avoid water
		KOLASIB	logging.
	4		Mulching with black polythene is found
	1	W)	beneficial for both reducing the weed and
		200	increasing the yield.
	1	Corm borer	Carbofuran 3G @1.5 kg a.i./ha applied in
			root zone when egg laying ooze is observed
0 14	TT 1 270.00		at plant base.
Cucurbitaceo	Harvesting	1	In large gardens apply carbaryl 0.2 per cent
us crop	stage	A AIZAVVL	or malathion 0.15 per cent suspension
			containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
		()	initiation against fruit fly and pumpkin
	- A	100	beetle.
) 6	V V V	Harvest all mature fruit.
Okra	Vegetative		Remove unwanted plant near base of the
ORIG	stage	SERCHH	plant and cut dead branches.
	Stuge	(~)	Earthing up soil at base of the plant along
		A CONTRACTOR OF THE CONTRACTOR	with split doses of fertilizer.
		2.50	Proper drainage is required to avoid water
	J.		logging.
Cowpea	Vegetative	LUNGLEI	Remove unwanted plant near base of the
_	stage	LONGER	plant and cut dead branches.
		Process of	Earthing up soil at base of the plant along
	, to the second	A 3 ~~	with split doses of fertilizer.
		1	Proper drainage is required to avoid water
			logging.
			# Mulching with black polythene is found
		(~	beneficial for both reducing the weed and
			increasing the yield.
Brinjal	Flowering	LAWNGTLAN	Remove unwanted plant near base of the
	stage	/ SAIHA	l . F
			Pre emergence application of Basalin
			@0.5 ml/lit of water for reduce grass type

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		1	weed. Mulching with black polythene film
			reduces weed growth, increases the crop growth.
	3 1	1	Split dose of fertilizer application @
		KOLASIB (50kg/ha urea.
Rice	Transplanting	AULASID /	Land preparation is done by ploughing,
	stage	W 7	harrowing, and levelling the field to make
	(1 1	it suitable for crop establishment.
	<i>f</i>		♣ Ploughing should be done 3-4 weeks prior
	1		to sowing.
	Ł		♣ Select disease free seedling with 3-5 leaf
	J' MAMIT	(stage.
	8	AIZAVIL I	Treat seedling with Bavistin 50 WP @ 0.1% (2 g/lt) solution.
	1	1	♣ After ploughing, harrowing the field should
),		be done twice, with one week gap between
		1 3 0	the two. First harrowing should be done
	1		after 1 week of ploughing. The second
	1.2	preparti	harrowing should be done across the first
		SERCHH	harrowing. Under good management and adequate
			nitrogen levels, the optimum spacing for
	7	54	rice varieties should be around 20x15 cms
	T ₁	- 3/	both for kharif and rabi crops.
		WWW.selector	Transplanting two to three seedlings per
	1	LUNGLEI	hill under normal conditions is enough.
	1		Remove the tip of rice seedling which
	1	A 8~	reduces stem borer infestation.
Maize	Vegetative		Remove unwanted plant near base of the
	stage		plant and cut dead branches.
			Earting up of soil along with fertilizer
		8,200	mixture.
			Foliar spray of 0.1 % Endosulfan {2 ml (35
		LAWNGTLAN	EC) in litre water} at 30 days after
		/ SAIHA	
Oin man ass 4	77		borer.
Ginger and	Vegetative	1 2 1	Remove unwanted plant near base of the plant and cut dead branches.
		6 1	plant and cut dead branches. 5 Page

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turmeric	stage		♣ Pre-emergence application of Atrazine
		KOLASIB	(Atratraf 50 wp, Gesaprim 500 fw) @ of 1.0-1.5 kg a.i ha-1in 600 litre water, Alachlor (Lasso) @ 2-2.5 kg a.i ha-1, Metolachlor (Dual) @ 1.5-2.0 kg a.i ha-1, Pendamethalin (Stomp) @ 1-1.5 kg a.i. halarge effective way for control of many annual and broad leaved weeds. Larting up of soil along with fertilizer
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage		mixture. Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20; 60: 40 kg. Use PSB 2g/kg for better germination.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
		175)

LAWNIGTLA

SAIHA

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