

**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: 05- 09, September, 2015

### Bulletin No: -550/2015/ Bulletin/Mizo

Date of issue: 04th September, 2015

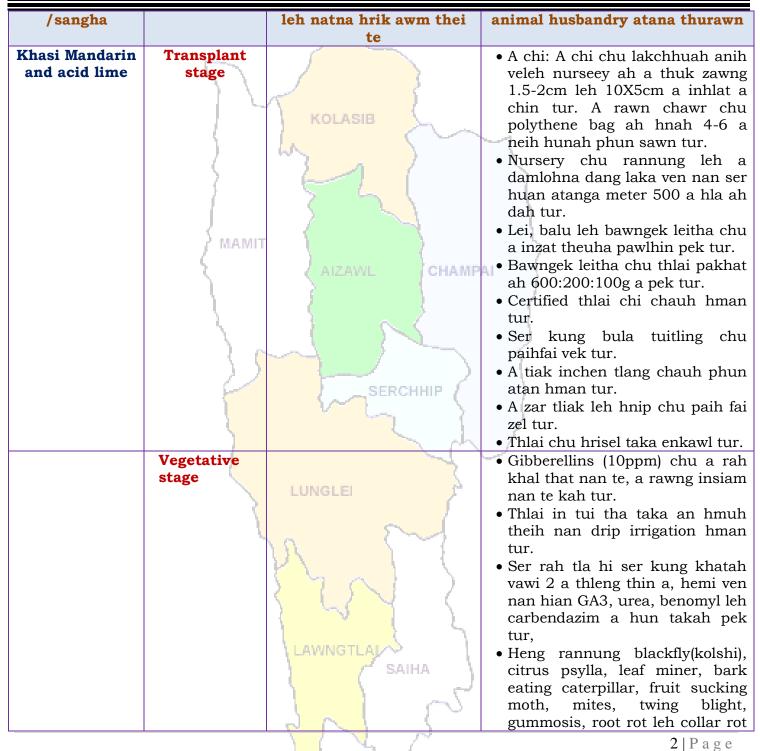
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	10	0	3	3	3
Max Temp (oC)	26	26	28	29	29
Min Temp (oC)	20	18	20	20	19
Cloud Coverage	Mainly cloudy	y Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	98	99	99	99
Min RH (%)	87	89	76	71	66
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	S	S-E	S-E	S-E	S-E
		th-Easterly- <mark>N-E</mark> , Eas			
		h-Westerly- <mark>S-W</mark> , Wes			
STATUS OF MONSO					
Aizawl- 313.32mm			Saiha- 216.20 n		- 247.17mm
(387.0mm	·	(301.30mm)	(367.7n	•	(372.0mm)
Lawngtlai-226.10mm	<b>U</b>	i-370.28mm	Mamit-197.57m		<b>p-247.35mm</b>
(365.4mm)		(371.4mm)	(376.0m		(301.8mm)
Ni thum kaltha	a sik leh 🛛	September 05,	, 2015 atanga	a Septembe:	r 09, 2015
sa dinhmun ti	langpui	sik leh	sa dinhmun	hmuhlawk o	dan
			29°C a ni ang a ni.RH san lai ni tur a beisei nchhak lam a tur a beisei ni n tlem a lan bei	A vawh lai be berin 98-99% niin. Thli tleh tangin a nat in. Ni nga chh sei a ni. <b>uinfall: 19.0m</b>	er in 18-20°C leh a hniam dan kawng zawng chu nung lo awm
NDVI for Mizoram		North East Region	INDVI	for Mizoram	
		TO BE		d NDVI. Value	
			1=02 / background         NDVI           background         0.3-0.4           0.4-0.5         0.4-0.5           0.3-0.6         1.0.6	is zero. So, i Soil".	it represents
		NDVI conditions are observed all over NE region.			
Thlai/ ran S	spat zawng	Hmalakna tur/ ra	innung Agi	ricultural/Hort	cicultural/
			14		1   Page



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	5		te hi ven tur. • Fungicide Carbendazim (0.1% emaw 1000ppm) a hun takah pek tur (thlakhat naah leh a seng hma ni 15 ah, chu chu vawi hnih kah tur).
Oil palm	Vegetative/ harvesting stage MAMIT	AIZAWL	<ul><li>that bawk tur.</li><li>Oil palm rah chu a puitlin</li></ul>
Balhla	Veretetink		hunah te, a rawng inthlak hunah leh a thlum leh thur a pai tam hunah seng tur.
	Vegetative/ harvesting	LUNGLEI	<ul> <li>Balhla kung bul chu tihfai a a zar thlak bawk tur.</li> <li>Leitha chu thlai pakhatah 600:200:100g a pek tur.</li> <li>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.</li> <li>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.</li> <li>A rah chu a puitlin hunah leh a rawng eng a nih hunah seng tur.</li> </ul>
Sapthei	Nursery stage	Saiha	<ul> <li>A chi chu a rah hmin tha atanga lak ni se, ni 15-20 hnuah nursery siam tur.</li> <li>A hnah 2/3 a rawn awm tan hnu</li> </ul>
L	1		3   P a g e



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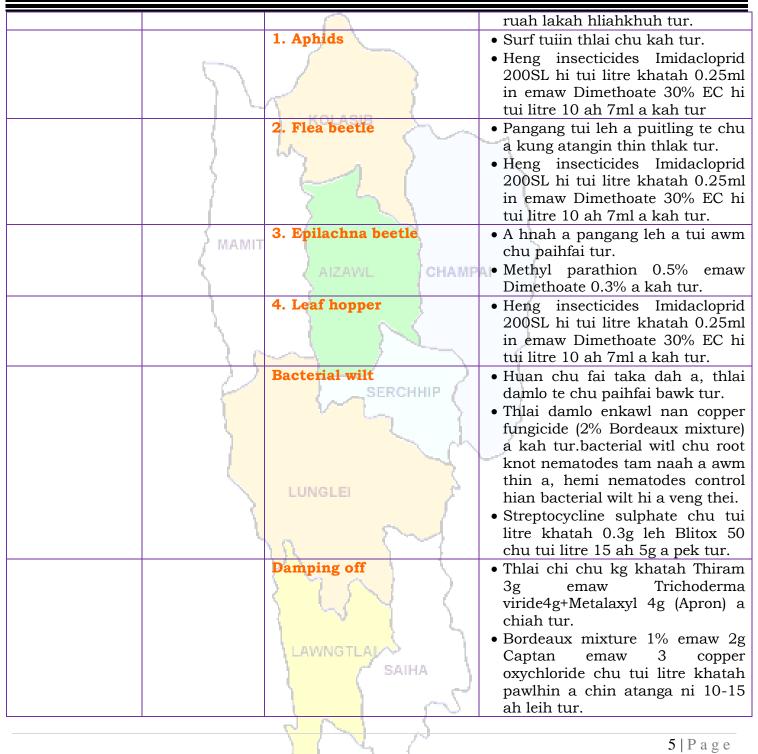
	[		<ul> <li>ah polythene bag ah phunsawn tur.</li> <li>Polythene bag atangin thla <sup>3</sup>/<sub>4</sub></li> </ul>
	1		<ul><li>hnu ah huan ah phun sawn leh tur.</li><li>Bawngek leitha chu khur khat</li></ul>
		KOLASIB	ah 15g leh NPK 100:50:100g in kumkhat chhungin pek tur.
Lakhuihthei	A par lai	The second	• 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 hunah pek tur.
		AIZAWL CHAMP	ang.
			<ul> <li>Leitha chu thlai pakhat ah 60:50:60g a pek tur.</li> <li>Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.</li> </ul>
	Ţ	Corm borer SERCHHIP	<ul> <li>Carbofuran 3G chu hectare khatah 1.5kga.i a pek tur. Hemi hi a zung ah a tuina hnuhma a awmin pek tur</li> </ul>
Cucurbitaceous crops	A rah lai	LUNGLEI	<ul> <li>Ni 7 danah tui chu tha taka pek tur.</li> <li>Huan zau thamah chuan fruitfly</li> </ul>
	1	10 01	leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah
		m {	<ul> <li>10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur.</li> <li>Thlai pakhatah a par nasat lain urea chu 70g a pek tur.</li> </ul>
Bawrhsaiabe	A chin dan	1. Nursery tihfai a tui	• A kung bulthut ah hnim chheh
		tlem pek tur. SAIHA 2. Phunsawn hnuah tui	darh tur. • A khat tawkin tui pek tur.
		tha taka pek tur.	• A tiak phunsawn te chu nil eh
			4   P a g e



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	5	Leaf spot and leaf blotch Leaf spot leh leaf blotch	<ul> <li>Dithane M-45 chu tui litre khatah 2.5g emaw Carbendazim 1g chu tui litre khatah pawlhin karkhat danah vawi 2/3 kah tur.</li> <li>Leaf spot tan Blitox 3g chu tui litre khata pawlhin kah tur.</li> <li>Tui litre khatah Dithane M-45</li> </ul>
		men and a second	<ul> <li>chu 2.5g emaw Bavistin chu 1g a pawlhin karkhat danah vawi 2/3 kah thin tur.</li> <li>Leaf spot ah chuan tui litre khatah Blitox chu 3g pawlh a kah thin tur.</li> </ul>
French bean	A par lai	AIZAWL CHAMP	<ul> <li>Bean hnah, a tang ro leh hnim te chu paihfai vek tur.</li> <li>Lei chu boruak kal that nan laihphut thin tur.</li> <li>A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.</li> </ul>
	P	Blister beetle	<ul> <li>Rannung ho chu mankhawmin thah vek tur.</li> <li>Cypermethrin 2g chu tui litre khata pawlhin kah thin tur</li> </ul>
Bawkbawn	A chin dan		• Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur.
Tomato	A chin dan	KAN 2	<ul> <li>A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.</li> <li>Nursery tur chu lei dip tha darh</li> </ul>
			<ul> <li>leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).</li> <li>Leitha 10kg leh bawngek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.</li> </ul>
		Aphids	• Surf tuiin thlai chu kah tur.
			<b>6</b>   P a g e



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			• Heng insecticides Imidacloprid 200SL hi tui litre khatah 0.25ml in emaw Dimethoate 30% EC hi tui litre 10 ah 7ml a kah tur.
		Epilachna beetle KOLASIB	• Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in flea beetle a veng thei
Buh	Nursery stage	Pre kharif rice	<ul> <li>A chi tha leh khat tha chauh hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.</li> </ul>
	35	Raised bed method CHAMP	<ul> <li>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.</li> <li>Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.</li> </ul>
Vaimim	A chin dan		<ul> <li>Lei chu vawi 2/3 laihphut phawt tur.</li> <li>A chi chu a line indawt a chin tur</li> <li>A chi chu kg khatah Thiram 4g a chiah tur.</li> <li>Hectare khatah buh chi chu 20-</li> </ul>
		LAWINGTLAL	<ul> <li>25kg hman tur.</li> <li>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. Nitrogen chu a dose chanve 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.</li> </ul>
Sawhthing leh Aieng	Land preparation	Saiha	<ul> <li>Thlai hnah, a tang ro leh hnim te chu paihfai vek tur.</li> <li>Lei chu boruak kal that nan</li> </ul>
			7   P a g e



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		$\frown$	laihphut thin tur.
			• Nitrogen leitha chu an mamawh
			taw kanga pek tur.
		Thrips	• Roger emaw Monocrophos chu
		5	tui litre khatah 2.5ml a pawlhin
		KOLASIB	kah tur.
		Scales	• Quinalphos emaw
	)		Monocrotophos chu tui litre
			khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive	1. A natna vei vawk te chu thah a
		<b>Respiratory Syndrome</b>	phum tur a ni.
		(PRRS).	
	A puitling	Swine fever.	2. Vawk thla hnih a nihin SF
	hun	AIZAWL CHAMP	vaccine pek tur a ni a, he vaccine
			hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease	Thla16 a upa an rih in FMD
During		(FMD)	vaccine pek tur a nia, thla 6
			danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	Black Quarter Vaccine (BQ)
	5	SERCHHIP	🔰 🖊 Thla ruk an tlin hunah
			vaccine lak tan tur.
			Kumkhat hnu ah vaccine
Ar	Kumtluanin	Ranikhet Disease.	pek leh tur.
Ar	Kumtiuanin	Ranikhet Disease.	1. Ar note an pian hlimin $F_1$ vaccine pek tur a nia an puitlin
			hunah $R_2B$ pek leh tur a ni.
	1	Coccidiosis	2. Amprolium emaw coccidiostat
		2	pek tur.
		IR IT	
		Y Y	
		)	
		1 1 4 4	
		SAIHA	



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#### **District:** Aizawl

Bulletin No: -550/2015/ Bulletin/English

#### Period: 05- 09, September, 2015

#### Date of issue: 04th September, 2015

	7 1				
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	10	0	3	3	3
Max Temp (oC)	26	26	28	29	29
Min Temp (oC)	20	18	20	20	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	98	99	99	99
Min RH (%)	87	89	76	71	66
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	S	S-E	S-E	S-E	S-E
N	ortherly- <b>N</b> , Nort	h-Easterly- <mark>N-E</mark> , E	asterly- E, South-I	Easterly- <mark>S-E</mark> ,	
So	utherly- <mark>S</mark> , South	n-Westerly- <mark>S-W</mark> , W	esterly-W, North-	westerly- N-W.	
STATUS OF MONSO	OON- August 1-	31, 2015 (Percen	nt of deviation fr	om normal in p	arenthesis)
Aizawl- 313.32m	m Champha	ai- 268.78mm	Saiha- 216.20 r	nm Kolasib-	247.17mm
(387.0m)	<b>m)</b>	(301.30mm)	(367.71	nm)	(372.0mm)
Lawngtlai-226.10m	m Lungle	-370.28mm	Mamit-197.57n	nm Serchhip	-247.35mm
(365.4m)	n)	(371.4mm)	(376.0n	nm)	(301.8mm)
Weather summa	ry of the past	Weather for	ecast valid from	n 05 <sup>th</sup> Septemb	er, 2015 To
three o	lavs		09 <sup>th</sup> Septen	nber, 2015.	
		There is a ch	ance of modera	· · · · · · · · · · · · · · · · · · ·	all during the
			The maximum	0	0
			5 days may rang		-
			elative humidity		
			minimum may f		
			utherly to southe	0	-
			per hour. Mai	nly cloudy sky	v will prevail
		during the ne	ext five days.		
		Wee	kly cumulative	rainfall: 19.0	mm
NDVI for Mizoram		North East Region		OVI for Mizoram	
				rmal NDVI. V	
			Persistent cloud	at NDVI is z	
		K225 597		presents "Bare S	· · ·
		6 Am	0.3-0.4 IC	bicschits Dale a	
		10	>0.6		
		Agriculture vigour is good in valleys of cover parts of Assam . NDVI values van	ry from 0.4-0.6. Normal		
		NDVI conditions are observed all over N	E region.		
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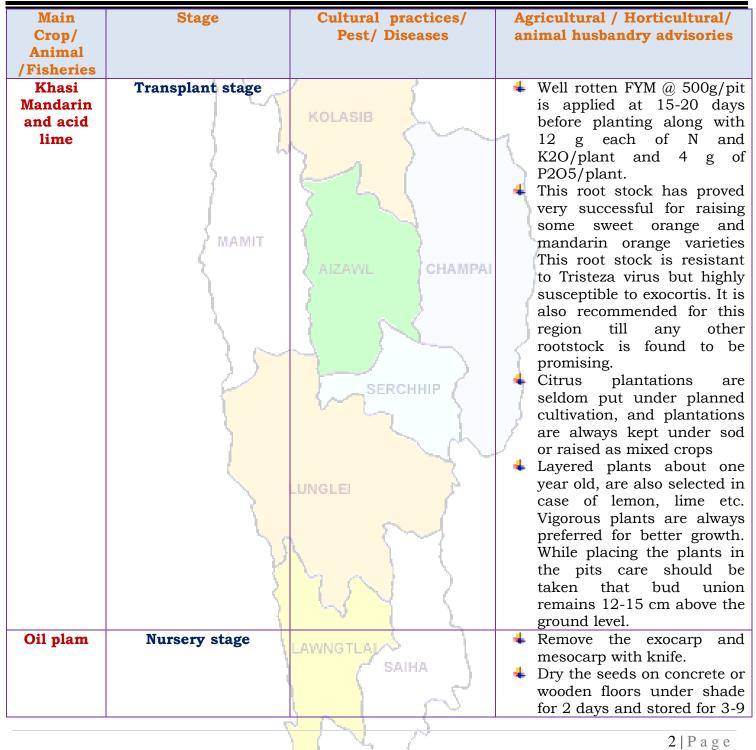


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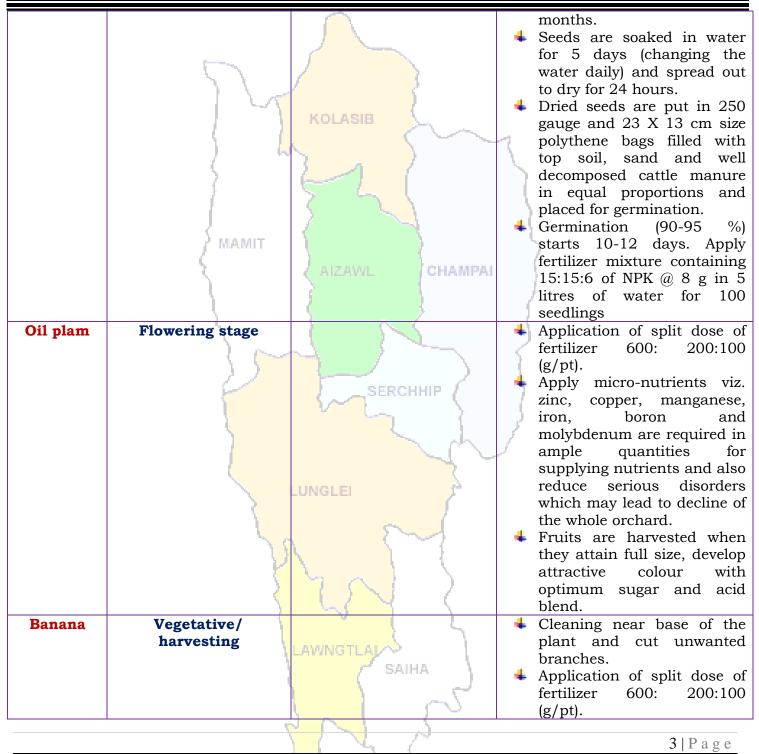




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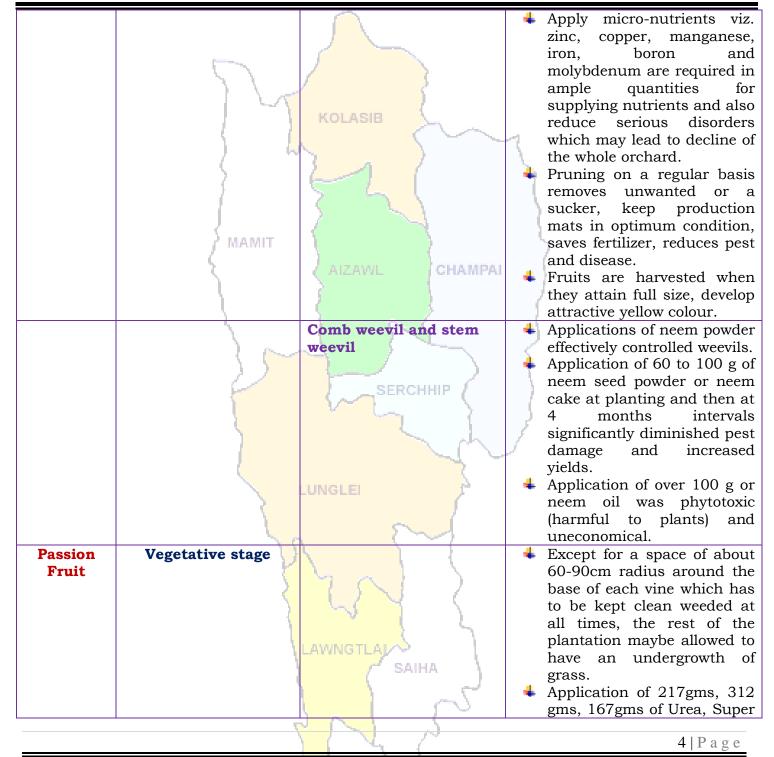




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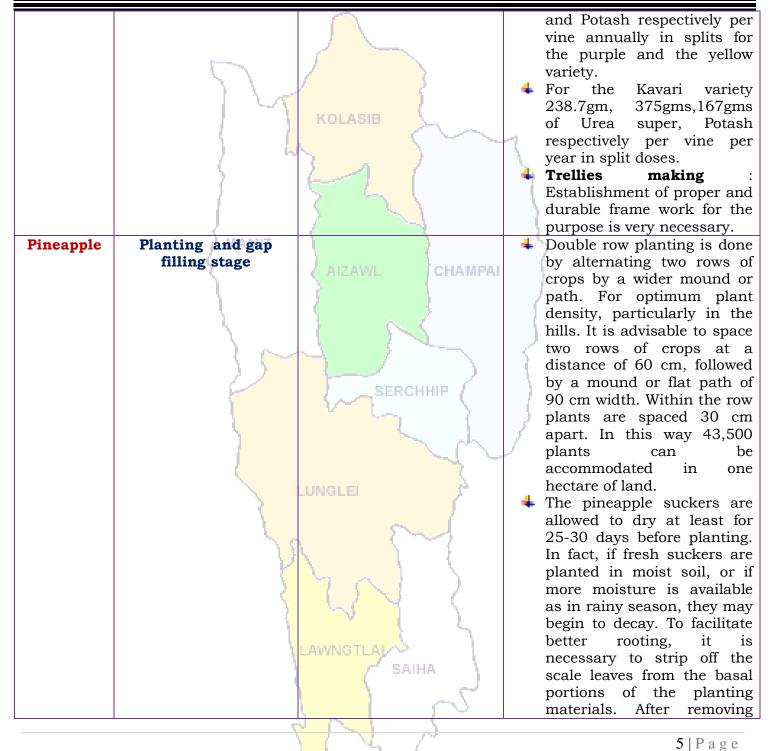


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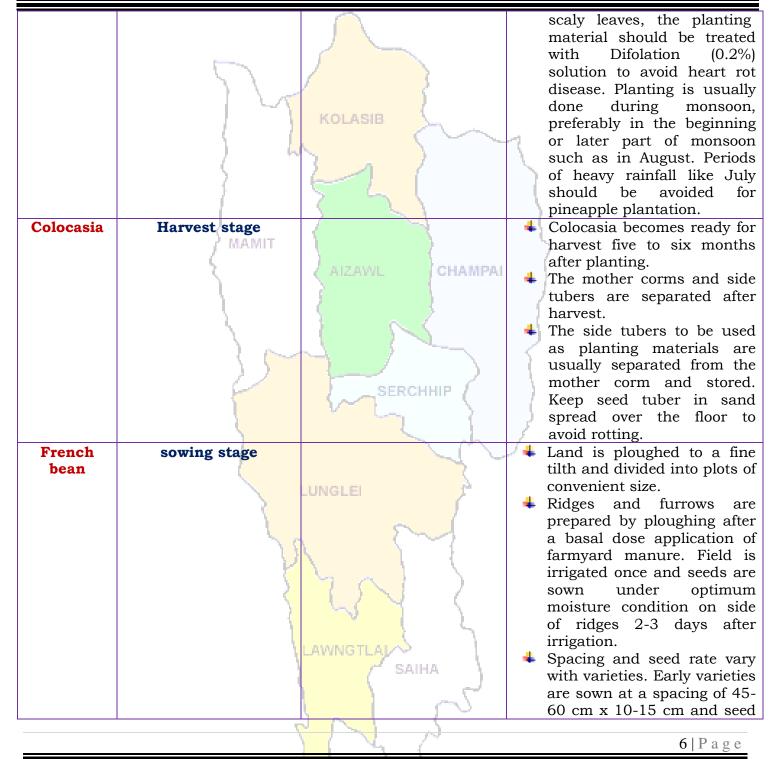




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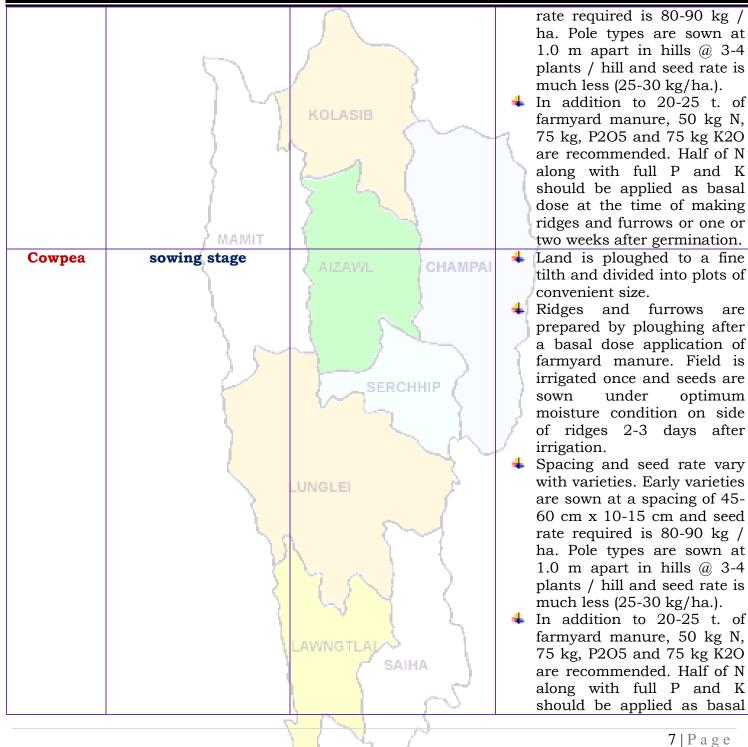


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1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).  $\downarrow$  In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O

- are recommended. Half of N along with full P and K should be applied as basal dose at the time of making ridges and furrows or one or two weeks after germination.
- Land is ploughed to a fine tilth and divided into plots of convenient size.
- Ridges and furrows are prepared by ploughing after a basal dose application of farmyard manure. Field is irrigated once and seeds are sown under optimum moisture condition on side of ridges 2-3 days after irrigation.
- ↓ Spacing and seed rate vary with varieties. Early varieties are sown at a spacing of 45-60 cm x 10-15 cm and seed rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
- ↓ In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal

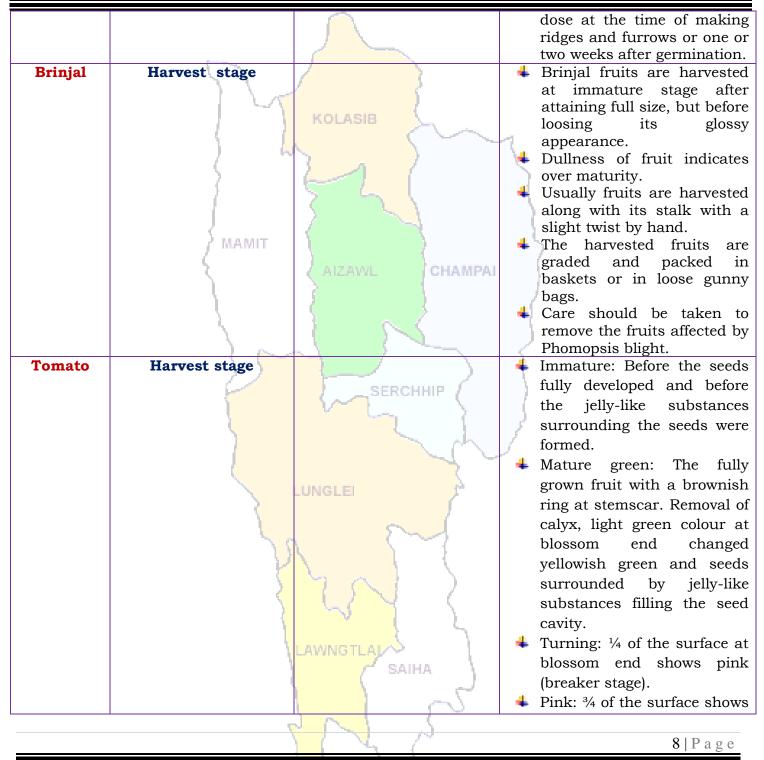
7 | Page



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		<ul> <li>pink</li> <li>Hard ripe: Nearly all red or pink with firm flesh</li> <li>Over ripe: Fully coloured and soft.</li> </ul>
Rice	Panicle initiation stage MAMIT AIZAWL CHAMPA	like toria or pea.
Maize	Harvest stage	<ul> <li>Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.</li> <li>The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.</li> <li>The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	flowering stage	<ul> <li>One or two hand hoeing and weeding should be done, depending upon soil type and extent of weed infestation.</li> <li>Weeds can also be controlled effectively by the application</li> </ul>



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Ginger and turmeric	Vegetative stage	KOLASIB	+ +	of TOK-E-25 at the rate of 10 ml dissolved in 1 liter of water as pre-emergence spray. Provide irrigation in dry condition or dry spell. Provide 2% urea solution for better growth. Remove unwanted plant near base of the plant and cut dead branches. Pre-emergence application of
	MAMIT	AIZAWL CHAMPAI		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.
		Thrips	/ 🖊	Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.
		Scales	4	Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1.	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 (BQ)	•	Black Quarter Vaccine
				10   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in

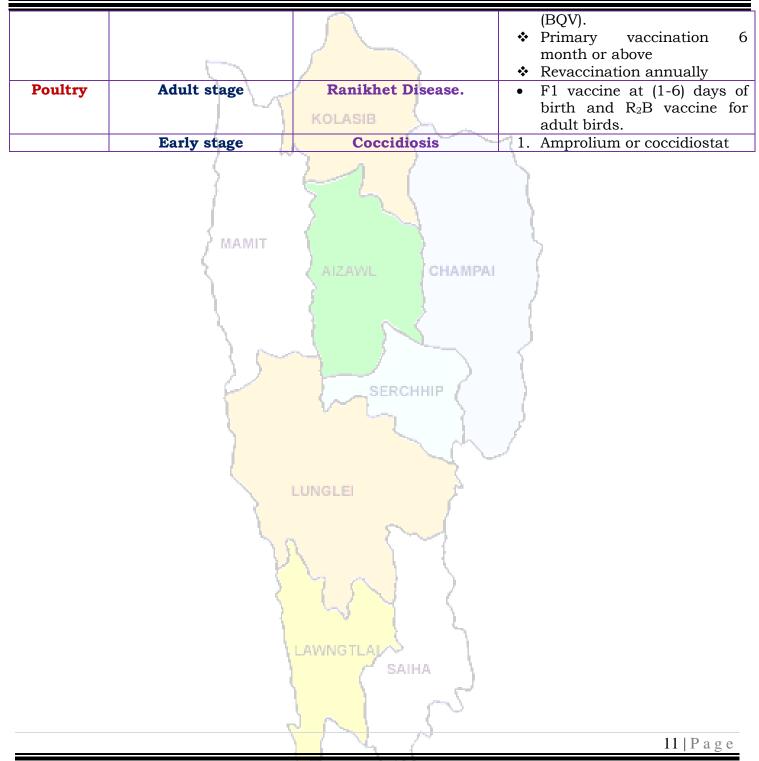


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)







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Guwahati)



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	1			
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#### **District:** Chapmhai

Period: 05- 09, September, 2015

Bulletin	No:	-550,	/2015/	Bulletin	/English
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Date of issue: 04th September, 2015

Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015	
Rainfall (mm)	18	0	12	4	0	
Max Temp (oC)	25	26	28	28	28	
Min Temp (oC)	20	18	20	20	19	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	99	99	98	98	
Min RH (%)	84	90	76	74	68	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	S	S-E	S-E	S-E	S	
			asterly- E, South-l			
	· · · · · · · · · · · · · · · · · · ·		Vesterly-W, North-	· · ·		
STATUS OF MONSO	<u> </u>	· · · ·				
Aizawl- 313.32m	· · · · · · · · · · · · · · · · · · ·	ui- 268.78mm	Saiha- 216.20 1		247.17mm	
(387.0m)	· · · · · · · · · · · · · · · · · · ·	(301.30mm)	(367.71	•	(372.0mm)	
Lawngtlai-226.10m		-370.28mm	Mamit-197.57r	•	-247.35mm	
(365.4m)	*	(371.4mm)	(376.0r	<b>/</b>	(301.8mm)	
Weather summa	ry of the past	Weather for	recast valid from	and the second secon	er, 2015 To	
three	lays		09 <sup>th</sup> Septer	nber, 2015.		
		next 3 days.	nance of modera The maximum	and minimum t	emperatures	
			5 days may ran	-		
			elative humidity	<b></b>	U	
			minimum may			
			utherly to south	0	-	
		-	of 2 km per hour. Mainly cloudy sky will prevail during			
		the next five	days.			
		Wee	ekly cumulative	rainfall: 34.0	mm	
NDVI for Mizoram		North East Region	12 August 2015 NI	OVI for Mizoram	is less than	
			no	rmal NDVI. V	alue shown	
			ersistent cloud color / bare soil / wet background	at NDVI is z	zero. So, it	
			0.2-0.3 0.3-0.4	presents "Bare S	· · · · · · · · · · · · · · · · · · ·	
		es. A	0.4-0.5	Duro k		
		Agriculture vigour is good in valleys of cover parts of Assam . NDVI values va NDVI conditions are observed all over	North-East states which ary from 0.4-0.6. Normal NE region.			
		2 NI				
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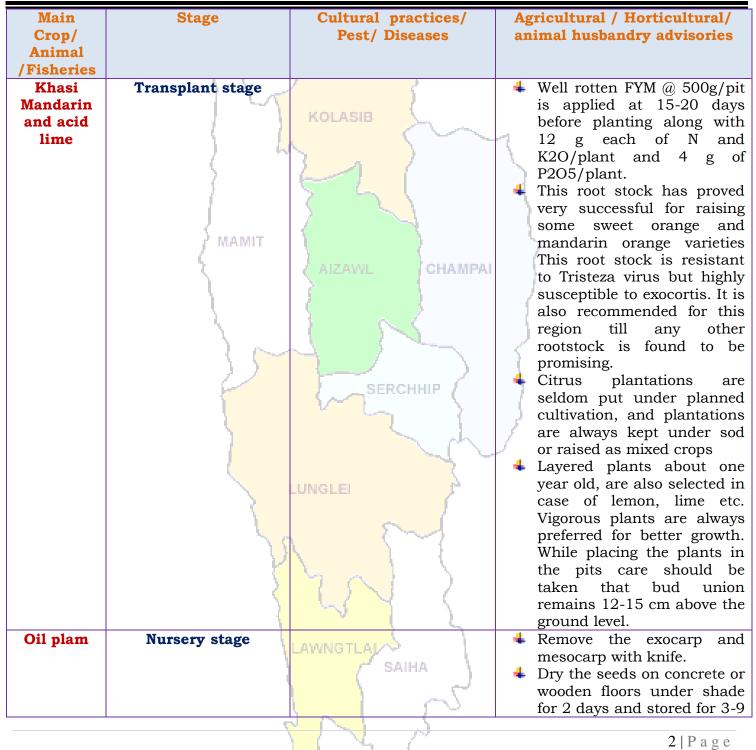


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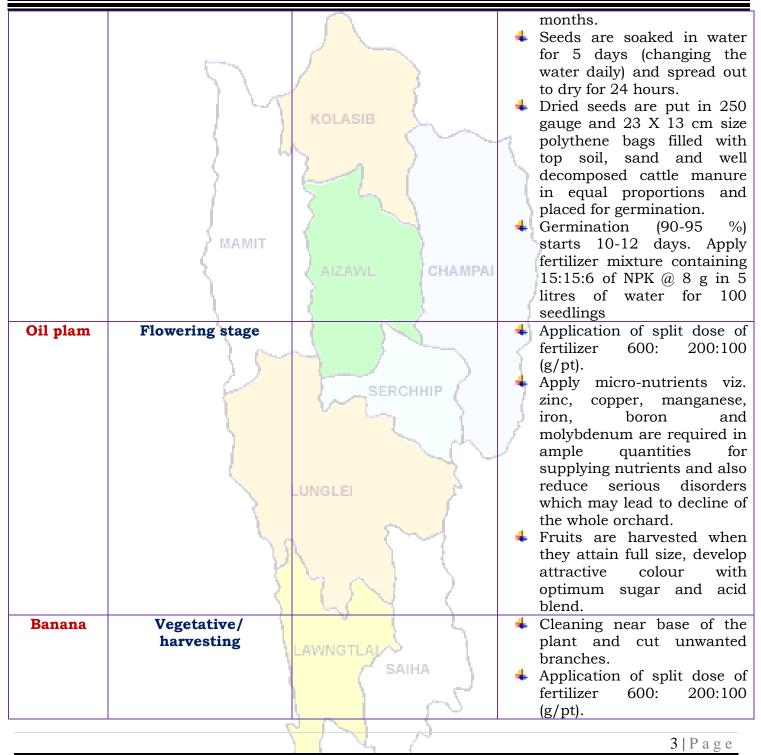




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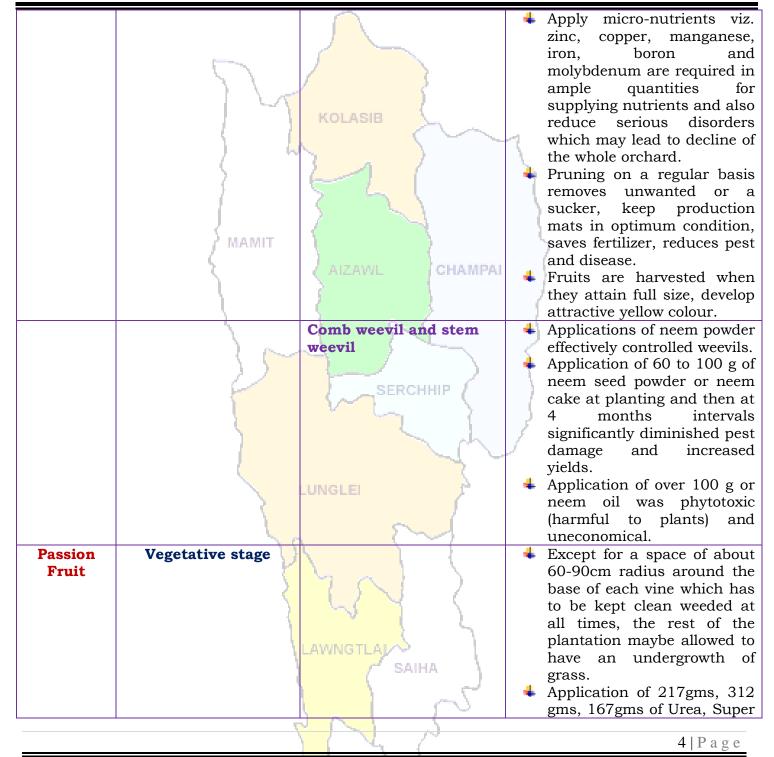




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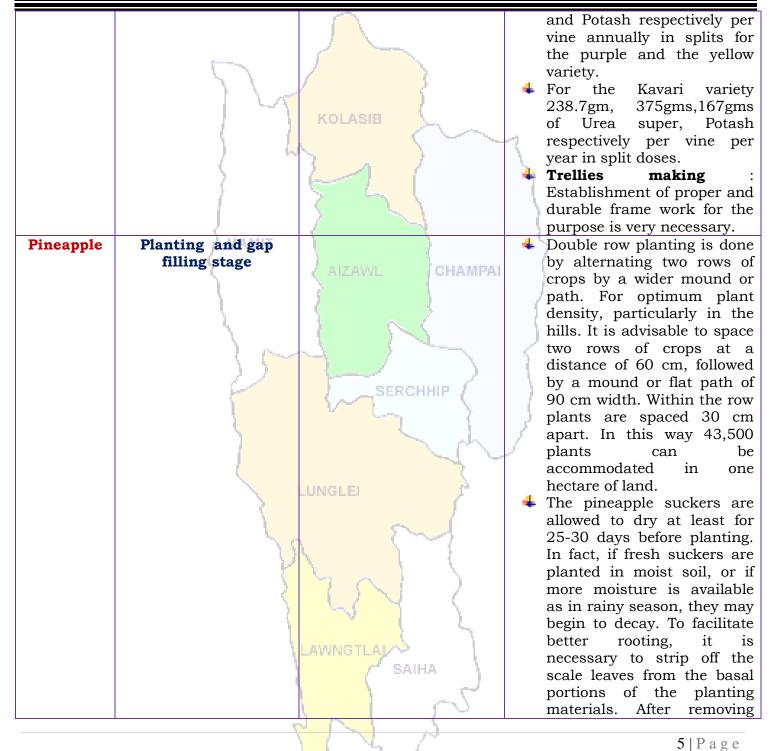




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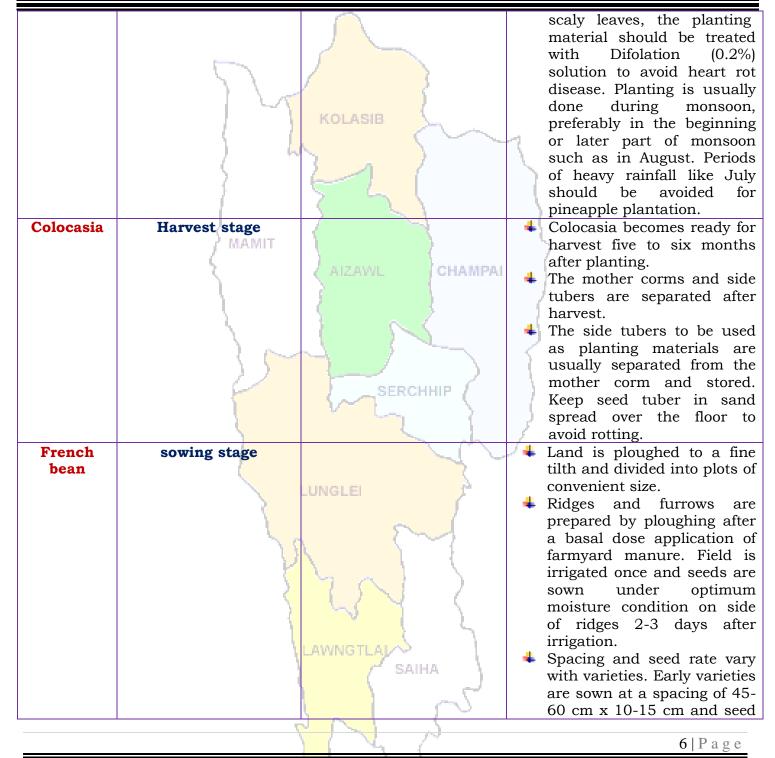




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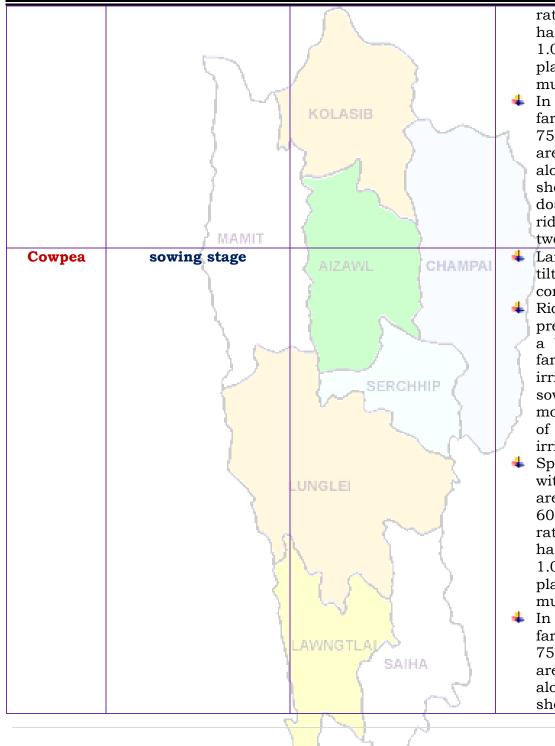


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rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal dose at the time of making ridges and furrows or one or two weeks after germination.

- Land is ploughed to a fine tilth and divided into plots of convenient size.
- Ridges and furrows are prepared by ploughing after a basal dose application of farmyard manure. Field is irrigated once and seeds are sown under optimum moisture condition on side of ridges 2-3 days after irrigation.
- Spacing and seed rate vary with varieties. Early varieties are sown at a spacing of 45-60 cm x 10-15 cm and seed rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
- In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal

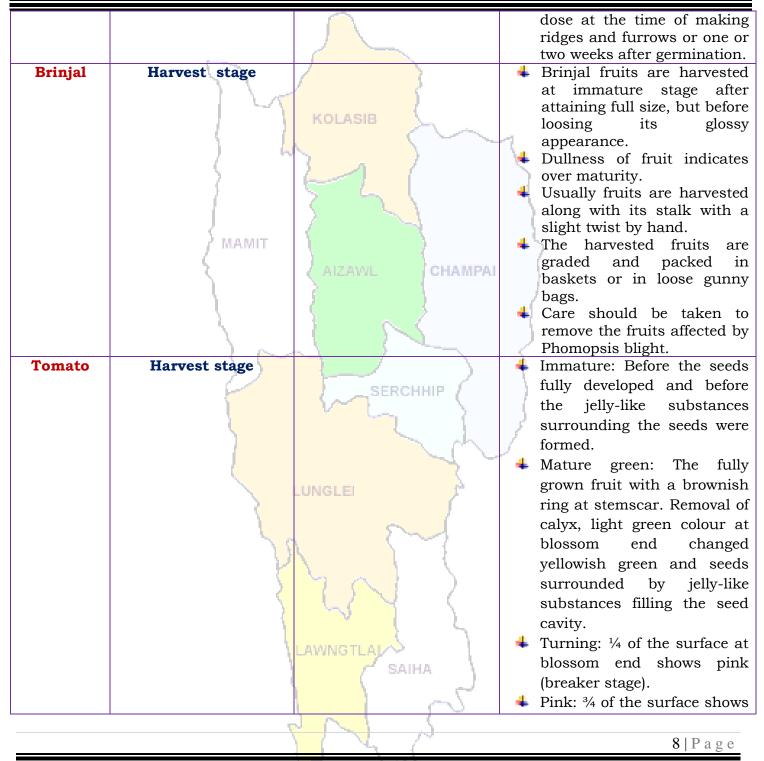
7 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



Rice       Panicle initiation stage       Kharif Rice       Apply split dose of nitrogenous fertilizer.         Maize       Mamuri Allowing and water stage       Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       Allowing and stage area stage         Maize       Harvest stage       CHAMPA         Nuclei       SERCHIP       Planning for second crop like toria or pea.         Cobs which are to be utilized as grain should be harvested when the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNOLE       Here or work hand hoeing and weeding should be done, depending upon soil type and extent of weed infestation. <th></th> <th></th> <th></th>			
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       Azavut CHAMPA       Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       CHAMPA       Planning for second crop like toria or pea.         Cobs which are to be utilized as grain should be harvested when the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.       Cobs which are to be utilized as grain should be harvested when the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       Avvino TLASAHA			pink
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of nitrogenous fertilizer.         Waize       MAMIT       AlaxyL       CHAMPA         Maize       Harvest stage       CHAMPA       Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage       Champa       Coss which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture. The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Kharif pulses (Green gram, Black gram, Black gram and Rajma)       flowering stage       4 WNGTLALARIA			4 Hard ripe: Nearly all red or
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of mitrogenous fertilizer.         Waize       MAMIT       AZAVIL       Use cracker or shining rope to resist from the attack of birds.         Maize       Harvest stage       AZAVIL       CHAMPA         Maize       Harvest stage       CHAMPA         SERCHHP       SERCHHP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Maize       flowering stage         Wharif pulses (Green gram, Black gram and Rajma)       flowering stage			pink with firm flesh
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of mitrogenous fertilizer.         Waize       MAMIT       AZAVIL       Use cracker or shining rope to resist from the attack of birds.         Maize       Harvest stage       AZAVIL       CHAMPA         Maize       Harvest stage       CHAMPA         SERCHHP       SERCHHP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Maize       flowering stage         Wharif pulses (Green gram, Black gram and Rajma)       flowering stage			$\downarrow$ Over ripe: Fully coloured
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of introgenous fertilizer.         Maize       MAMIT       Juse cracker or shining rope to resist from the attack of birds.         Maize       Harvest stage       CHAMPAI         Maize       Harvest stage       CHAMPAI         SERCHHIP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage			
stage       nitrogenous fertilizer.         Use cracker or shining rope to resist from the attack of birds.         Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage         Maize       Harvest stage         SERCHHP       CHAMPAI         SERCHHP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the stalk and leaves are still green.       The cobs are removed from the stalking otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage	Pice	Paniale initiation Khatif Pice	
Maize       Harvest stage       Imamit       Alzand       CHAMPAI         Maize       Harvest stage       CHAMPAI       Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage       CHAMPAI       Champai       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing rough 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       AWNOTLAN	Rice		
Maize       Harvest stage       Image: CHAMPA       Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage       Image: CHAMPA       Planning for second crop like toria or pea.         Maize       Harvest stage       Image: CHAMPA       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, gram, Black gram and Rajma)       flowering stage       Image: Composite and so be controlled effectively by the application		stage	
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Maize       Harvest stage         Maize       Harvest stage         Maize       Harvest stage         SERCHHP       Champal         SERCHHP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage			
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Maize       Harvest stage       In four corner of the field         Maize       Harvest stage       Champai         Maize       Harvest stage       Champai         In four corner of the field       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         UNGLE       SERCHIP       The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNGLE       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses gram, Black gram and Rajma)       AMAGTLAY SAIHA         gram and Rajma)       SAIHA			
Maize       Harvest stage       Planning for second crop like toria or pea.         Maize       Harvest stage       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNGLE       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage		A MAMIT	
Maize       Harvest stage       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNGLE       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage			$\downarrow$ / Planning for second crop
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Kharif pulses (Green gram, Black gram and Rajma)flowering stageAwng TLALA SAIHAAnd the stall sains and extent of weed infestation.Kharif pulses (Green gram, and Black gram and Rajma)flowering stageImage: Comparison of the stall the stall of the stall the stall of the stall the stall of the stall the stall of the stall of the stall the stall of the stall of the stall the stall the stall of the stall the stall the stall of the stall of t	Maize	Harvest stage	
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Kharif       flowering stage         gram,       Black         gram and       Rajma)			e e e e e e e e e e e e e e e e e e e
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Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Consumed or utilized at a later stage.Kharif pulses (Green (Green gram, Black gram and Rajma)flowering stageImage: Consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Consumed or utilized at a later stage.		LUNGLEI	
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Kharif pulses (Green gram, Black       flowering stage       Iater stage.         gram, and Rajma)       Image: Constraint of the stage			jackets, if kept for seed or to
Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Constraint of the state of the st			be consumed or utilized at a
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(Green gram, Black gram and Rajma) AWNGTLAL SAIHA AWNGTLAL SAIHA A depending upon soil type and extent of weed infestation. Weeds can also be controlled effectively by the application		flowering stage	
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Black       SAIHA       and extent of weed         gram and       SAIHA       infestation.         Rajma)       Weeds can also be controlled	•	A AMAIGT ALS	
gram and Rajma)     Weeds can also be controlled effectively by the application			
Rajma)   effectively by the application			
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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)



Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>of TOK-E-25 at the rate of 10 ml dissolved in 1 liter of water as pre-emergence spray.</li> <li>Provide irrigation in dry condition or dry spell.</li> <li>Provide 2% urea solution for better growth.</li> <li>Remove unwanted plant near base of the plant and cut dead branches.</li> <li>Pre-emergence application of Atrazine (Atratraf 50 wp, Gesaprim 500 fw) @ of 1.0-</li> </ul>
	ł	AIZAWL CHAMPAI	<ul> <li>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.</li> <li>Earting up of soil along with fertilizer mixture.</li> </ul>
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.
	ζ.	Scales	<ul> <li>Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.</li> </ul>
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Culling of positive pigs or piglets.</li> </ol>
	Adult stage	Swine fever.	<ol> <li>Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval</li> </ol>
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
	, ,		10   P a g e

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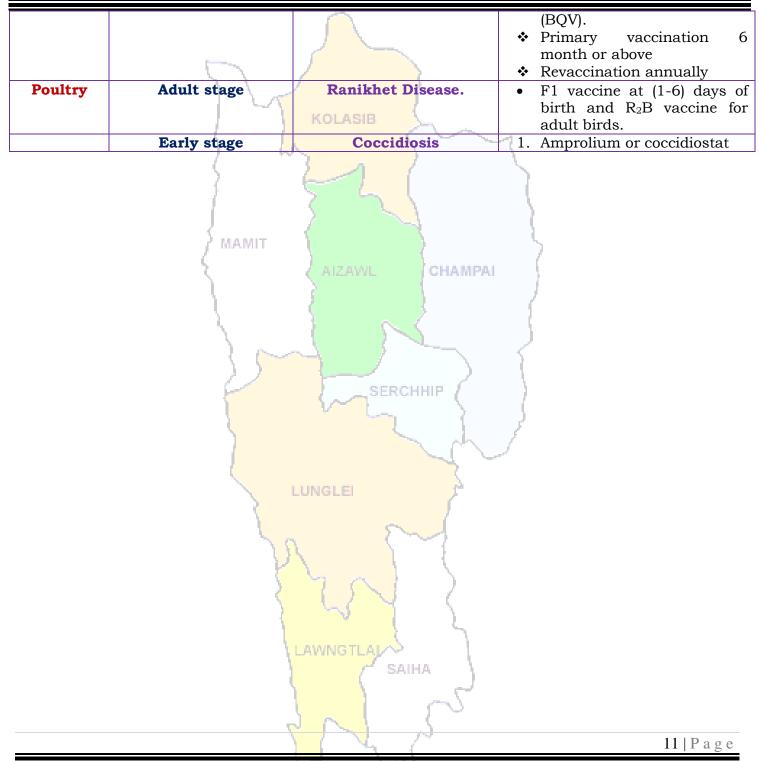


ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

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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: 05- 09, September, 2015

### Bulletin No: -550/2015/ Bulletin/Mizo

Date of issue: 04th September, 2015

Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	18	0	12	4	0
Max Temp (oC)	25	26	28	28	28
Min Temp (oC)	20	18	20	20	19
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	99	98	98
Min RH (%)	84	90	76	74	68
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S	S-E	S-E	S-E	S
		th-Easterly- <mark>N-E</mark> , Eas			
		h-Westerly- <mark>S-W</mark> , Wes		*	
STATUS OF MONSO					
Aizawl- 313.32mm	· · · · · · · · · · · · · · · · · · ·		Saiha- 216.20 m		- 247.17mm
(387.0mm		(301.30mm)	(367.7n	•	(372.0mm)
Lawngtlai-226.10mm			Mamit-197.57m		p-247.35mm
(365.4mm)		(371.4mm)	(376.0m		(301.8mm)
Ni thum kaltha	a sik leh	September 05,	, 2015 atanga	a Septembe	r 09, 2015
sa dinhmun tl	angpui	sik leh	sa dinhmun	hmuhlawk o	dan
	Ni 3 lo awm turah hian ruahtui a tlak beisei a ni. Khua lum lai berin 25-28°C a ni ang a.A vawh lai ber in 18-20° ni tur ah beisei a ni.RH san lai berin 98-99% leh a hniar lai berin 68-90% ni tur a beisei niin. Thli tleh dan kawn zawng chu chhimchhak lam atangin a nat zawng ch darkar 2 km ni tur a beisei niin. Ni nga chhung lo awm tu ah hian chhum tlem a lan beisei a ni. <b>Weekly cumulative rainfall: 34.0mm</b>				
NDVI for Mizoram				for Mizoram	
		Agriculture vigour is good in valleys of North-East states which every parts of Assam. NDV values ary from 0.406. Normal NDV values ary from 0.406. Normal NDV values ary from 0.406. Normal			e shown that
Thlai/ ran S	pat zawng	Hmalakna tur/ ra	innung Agi	ricultural/Hort	cicultural/
	- 3		N		
					1   Page

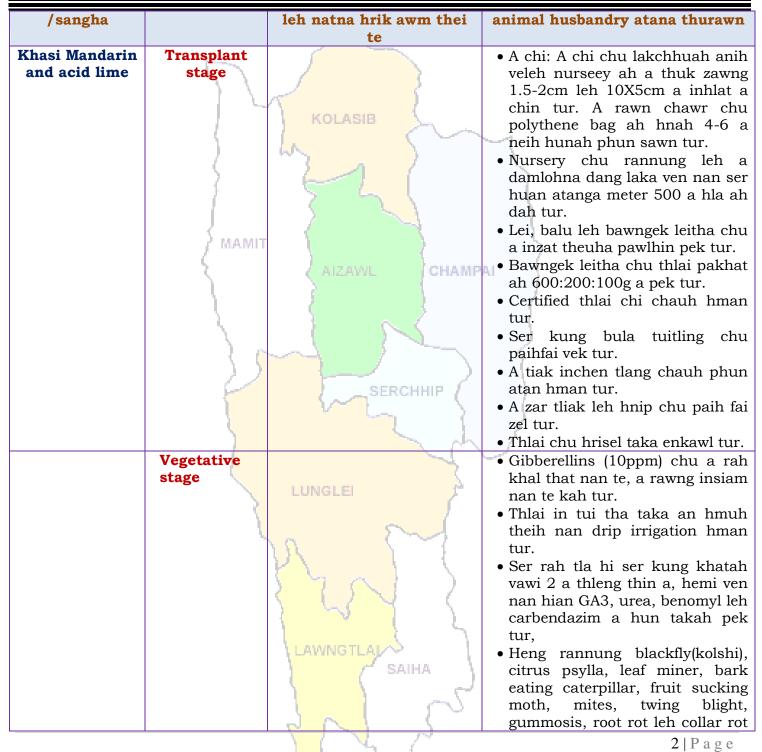
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)







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	2	KOLASIB	te hi ven tur. • Fungicide Carbendazim (0.1% emaw 1000ppm) a hun takah pek tur (thlakhat naah leh a seng hma ni 15 ah, chu chu vawi hnih kah tur).
Oil palm	Vegetative/ harvesting stage MAMIT	AIZAWL CHAMP	<ul> <li>Oil palm kung bul chu tihfai a a zar thlak bawk tur.</li> <li>Leitha chu thlai pakhatah 600:200:100g a pek tur.</li> <li>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.</li> <li>Oil palm rah chu a puitlin hunah te, a rawng inthlak hunah leh a thlum leh thur a pai tam hunah seng tur.</li> </ul>
Balhla	Vegetative/ harvesting	LUNGLEI	<ul> <li>Balhla kung bul chu tihfai a a zar thlak bawk tur.</li> <li>Leitha chu thlai pakhatah 600:200:100g a pek tur.</li> <li>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.</li> <li>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.</li> <li>A rah chu a puitlin hunah leh a rawng eng a nih hunah seng tur.</li> </ul>
Sapthei	Nursery stage	Saiha	<ul> <li>A chi chu a rah hmin tha atanga lak ni se, ni 15-20 hnuah nursery siam tur.</li> <li>A hnah 2/3 a rawn awm tan hnu</li> </ul>
			3   P a g e



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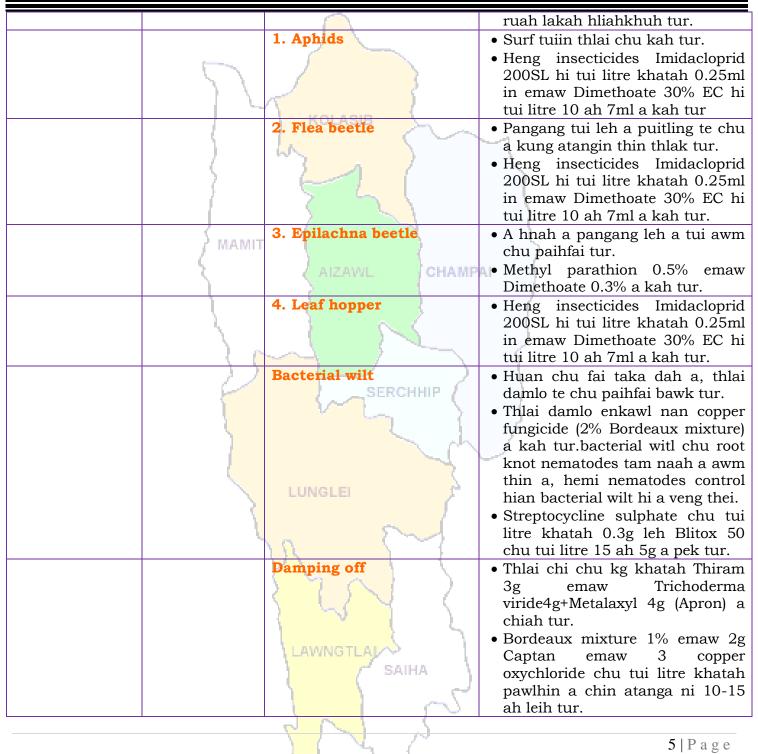
			ah polythene bag ah phunsawn
			tur.
			• Polythene bag atangin thla <sup>3</sup> / <sub>4</sub>
			hnu ah huan ah phun sawn leh
		5 5	tur.
		(	• Bawngek leitha chu khur khat
		KOLASIB	ah 15g leh NPK 100:50:100g in
			kumkhat chhungin pek tur.
Lakhuihthei	A par lai		• A par chhuah hma nan chemical
Dakituiittitei	A pai lai		(Ethrel 10ppm+2% urea+0.04%
	<u></u>		sodium carbonate) chu pek tur.
			Tlai ah emaw thlaiin hnah 32 a
			neih hunah pek tur.
	A MAMIT		• Chemical pek atangin ni 55-60
	6		1.1.4
	<u> </u>	AIZAWL CHAMP	ang.
			• Leitha chu thlai pakhat ah
		ι <u>ς</u> γ	60:50:60g a pek tur.
			• Thlai hnah leh a zar thi te chu
			paihfai a, hnim te tihfai bawk
	1 1		tur.
		Corm borer SERCHHIP	• Carbofuran 3G chu hectare
		Carl Serennin (	khatah 1.5kga.i a pek tur. Hemi
			hi a zung ah a tuina hnuhma a
		h A	awmin pek tur
Cucurbitaceous	A rah lai		• Ni 7 danah tui chu tha taka pek
crops	(	2	tur.
		LUNGLEI 🎾	• Huan zau thamah chuan fruitfly
	5	f i f	leh pumpkin beetle ven nan
			carbaryl 0.2% leh malathion
			0.15% chu chini tui litre khatah
			10g a pawlhin kar khat danah
			leh a par tan tirhah leh a rah tan
			hunah kah tur.
			• Thlai pakhatah a par nasat lain
			urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a tui	• A kung bulthut ah hnim chheh
		tlem pek tur. SAIHA	darh tur.
		2. Phunsawn hnuah tui	• A khat tawkin tui pek tur.
		th <mark>a taka pek</mark> tur. 🦳	• A tiak phunsawn te chu nil eh
			_
		N. N. /	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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

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		Leaf spot and leaf blotch	• Dithane M-45 chu tui litre khatah 2.5g emaw Carbendazim 1g chu tui litre khatah pawlhin
	5		karkhat danah vawi 2/3 kah tur. • Leaf spot tan Blitox 3g chu tui
	~	KOLASIB	litre khata pawlhin kah tur.
		Leaf spot leh leaf blotch	• Tui litre khatah Dithane M-45 chu 2.5g emaw Bavistin chu 1g a pawlhin karkhat danah vawi 2/3 kah thin tur.
	{		• Leaf spot ah chuan tui litre khatah Blitox chu 3g pawlh a kah thin tur.
French bean	A par lai MAMIT	AIZAWL CHAMP	
			<ul><li> Lei chu boruak kal that nan laihphut thin tur.</li><li> A chin atanga ni 20-25 ah bean</li></ul>
	1		kung chu mau in a zamna siam tur.
	$\sum$	Blister beetle	• Rannung ho chu mankhawmin thah vek tur.
		~~~ }	• Cypermethrin 2g chu tui litre khata pawlhin kah thin tur
Bawkbawn	A chin dan		• Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a
			zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw
		in M	formaldehyde nen a pawlhin leih tur.
		Mal S	• A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan	1 VY L	• Nursery tur chu lei dip tha darh 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.
		Aphids ~	• Surf tuiin thlai chu kah tur.
			<b>6</b>   P a g e



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

Guwahati)



			• Heng insecticides Imidacloprid 200SL hi tui litre khatah 0.25ml in emaw Dimethoate 30% EC hi
			tui litre 10 ah 7ml a kah tur.
		Epilachna beetle	• Methyl parathion 0.5% emaw
			Dimethoate 0.3% a kah in flea beetle a veng thei
Buh	Nursery stage	Pre kharif rice	• A chi tha leh khat tha chauh
			hman tur.
	1		• Tui litre 10 ah chi (salt) 250g
			pawlhin chutah chuan chiah tur.
	J		• Bavistin 50WP @0.1% chu tui
	A MAMIT	1	litre khatah 2g a pawlhin a chi
			chu chiah tur.
	5	Raised bed method CHAMP	• A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna
	1	S	tur 20-30cm a zau siam tur. Hei
			hian a chi kal ral mai mai tur a
			veng.
	1 2 0		• Leitha pek hnu ah a chi damdawi
			a chian te chu then tur.
Vaimim	A chin dan	SERCHHIP (	• Lei chu vawi 2/3 laihphut phawt
			tur.
	1		• A chi chu a line indawt a chin tur
			• A chi chu kg khatah Thiram 4g a
		7	chiah tur.
		LUNGLEI 📌	<ul> <li>Hectare khatah buh chi chu 20- 25kg hman tur.</li> </ul>
	2	ſ	• Bawngek leitha chu hectare
		<u> </u>	khatah 5-10t chu 80:60:40kg N,
			P2O5 leh K20 hman tur. Vaimim
			chin hma in lei nen tihpawlh tur.
			Nitrogen chu a dose chanve in a
			chin hnu ah pek tur, a bang 25%
			chu a hnu thlakhat ah leh a
			dang 25% chu a par hunah pek
Sawhthing leh	Land	SAIHA	tur. • Thlai hnah, a tang ro leh hnim te
Aieng	preparation		• Thiai nnan, a tang ro len nnim te chu paihfai vek tur.
	Freparación		• Lei chu boruak kal that nan
L	1	2015	
			7   P a g e



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			laihphut thin tur.
			• Nitrogen leitha chu an mamawh
			taw kanga pek tur.
		Thrips	• Roger emaw Monocrophos chu
		5	tui litre khatah 2.5ml a pawlhin
		KOLASIB	kah tur.
		Scales	• Quinalphos emaw
	)	Scales	• Quinalphos emaw Monocrotophos chu tui litre
	5	2	khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive	1. A natna vei vawk te chu thah a
		<b>Respiratory Syndrome</b>	phum tur a ni.
		(PRRS).	-
	A puitling	Swine fever.	2. Vawk thla hnih a nihin SF
	hun	AIZAWL CHAMP	vaccine pek tur a ni a, he vaccine
	- I )		hi thla ruk emaw kumtluanin
			pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease	• Thla16 a upa an rih in FMD
		(FMD)	vaccine pek tur a nia, thla 6
	A naupan lai	Black Quarter (BQ)	<ul><li>danah pek chhunzawm tur a ni.</li><li>Black Quarter Vaccine (BQ)</li></ul>
	A naupan lai	SERCHHIP	↓ Thla ruk an tlin hunah
			vaccine lak tan tur.
			Kumkhat hnu ah vaccine
			pek leh tur.
Ar	Kumtluan <mark>in</mark>	Ranikhet Disease. 🐂	<b>1.</b> Ar note an pian hlimin $F_1$
			vaccine pek tur a nia an puitlin
		LUNGLEI	hunah R <sub>2</sub> B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat
			pek tur.
		that b	
		SAIHA	
		7	
			010
			8   P a g e

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/" SAIHA

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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**

Bulletin No: -550/2015/ Bulletin/English

### Period: 05- 09, September, 2015

#### Date of issue: 04th September, 2015

	<u> </u>	1					
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015		
Rainfall (mm)	8	3	5	3	0		
Max Temp (oC)	27	28	29	29	30		
Min Temp (oC)	21	20	21	21	21		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	98	99	99	99		
Min RH (%)	92	89	73	70	66		
Wind Speed (KmpH)	2	2	2	2	3		
*Wind Direction	S	S-E	S-E	S-E	S-E		
			asterly- E, South-l				
	· · · ·		esterly-W, North-				
STATUS OF MONSO							
Aizawl- 313.32m	-	i- 268.78mm	Saiha- 216.20 1		247.17mm		
(387.0m)		(301.30mm)	(367.71		(372.0mm)		
Lawngtlai-226.10mr		370.28mm	Mamit-197.57r	-	-247.35mm		
(365.4mm	· · · · · · · · · · · · · · · · · · ·	(371.4mm)	(376.0r	/	(301.8mm)		
Weather summa	· · · ·	Weather for	ecast valid from		er, 2015 To		
three d	lays	09 <sup>th</sup> September, 2015.					
The temperature	e range for	There is a chance of light rainfall during the next 4 days.					
maximum and r	ninimum were	e The maximu	m and minimu	n temperatures	for the next		
28.3-30.3°C and	l 23.2-23.7°C	5 days may	range for 27-30	0°C and 20-21°	C. Maximum		
respectively. Dens	se cloudy sky	5 5	idity is expected				
was observed. Wi	J J J		ay from 70-92%				
	laximum RH		southeasterly w				
observed 90-96%							
51-56%. Rainfall r			anny cloudy sky	win prevan du	ing the next		
		ive days.					
past three days is a	30.80mm.						
			kly cumulative				
NDVI for Mizoram		North East Region	INL	OVI for Mizoram			
		-		rmal NDVI. V			
		E COS CAS	Persistent cloud cloue cloue	at NDVI is z	zero. So, it		
			0.2-0.3 0.3-0.4 0.4-0.5	oresents "Bare S	Soil".		
		in Br	0.5 - 0.6				
		Agriculture viscour is good in valleys of	North-East states which				
		Agriculture vigour is good in valleys of cover parts of Assam . NDVI values var NDVI conditions are observed all over N	y from 0.4-0.6. Normal E region.				
		V V	14		1   Page		

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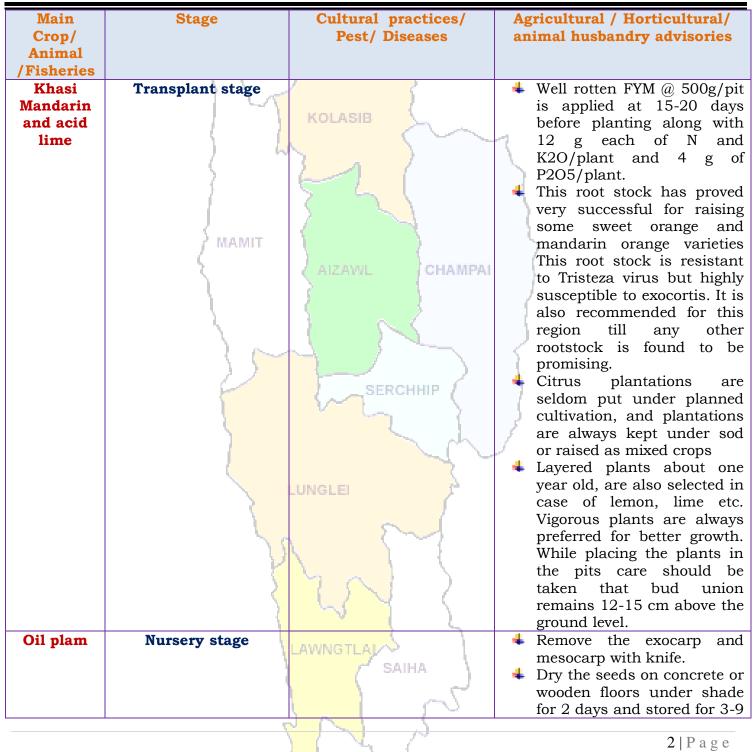


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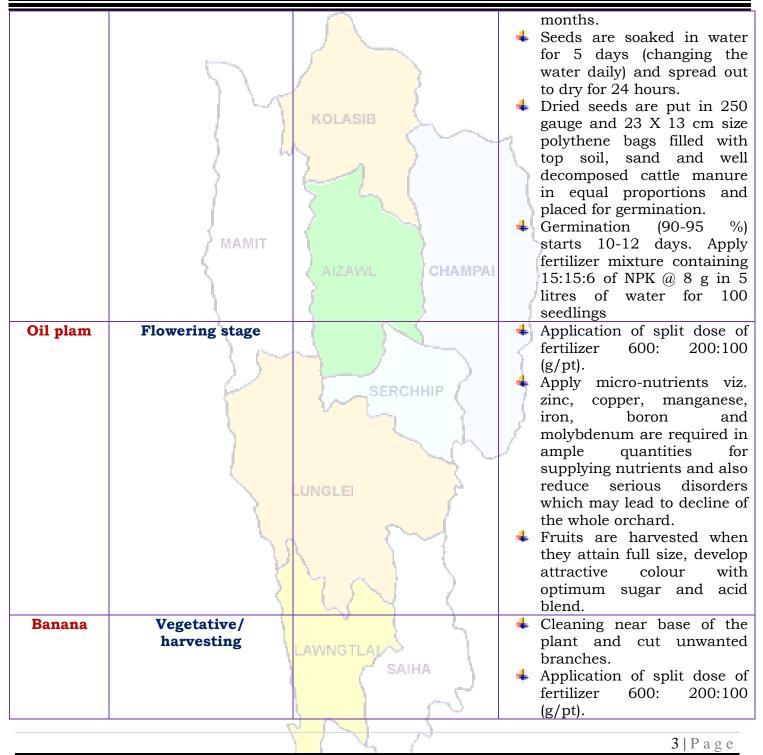




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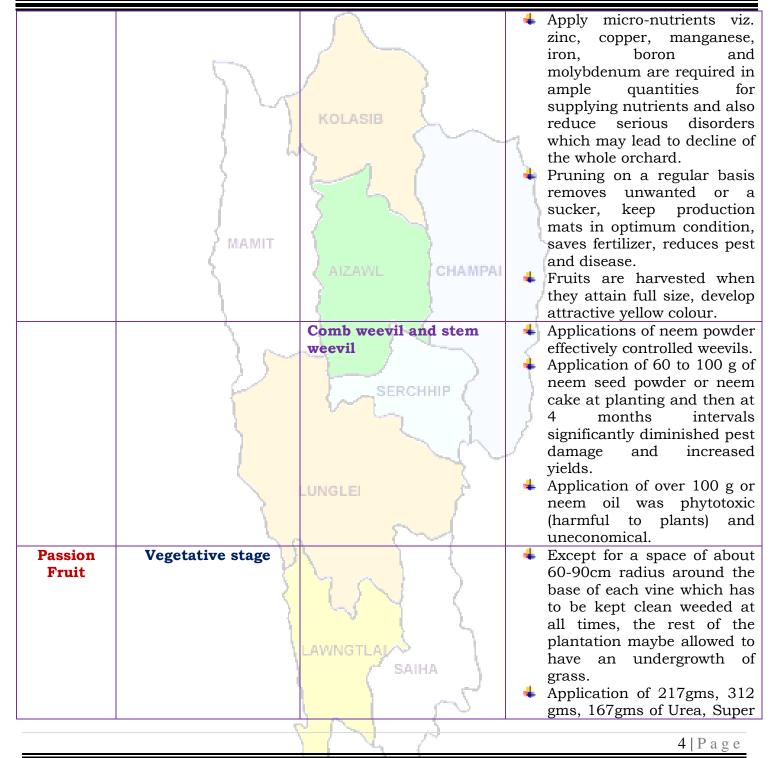




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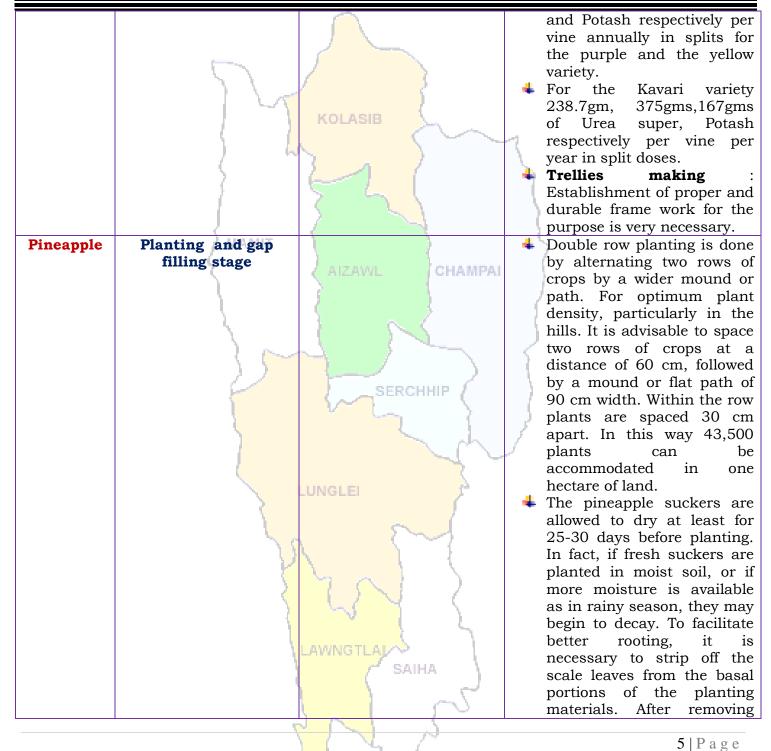




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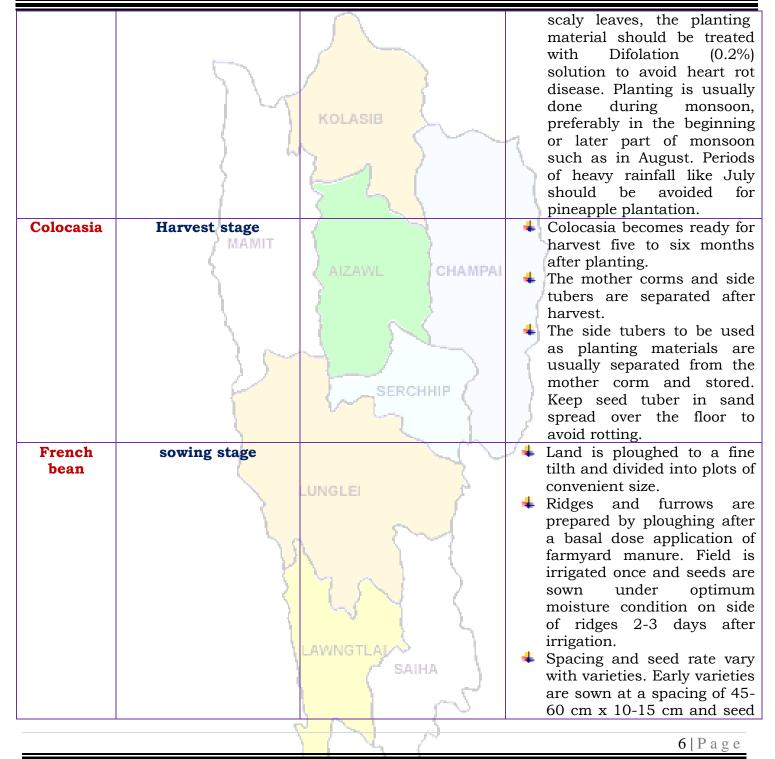




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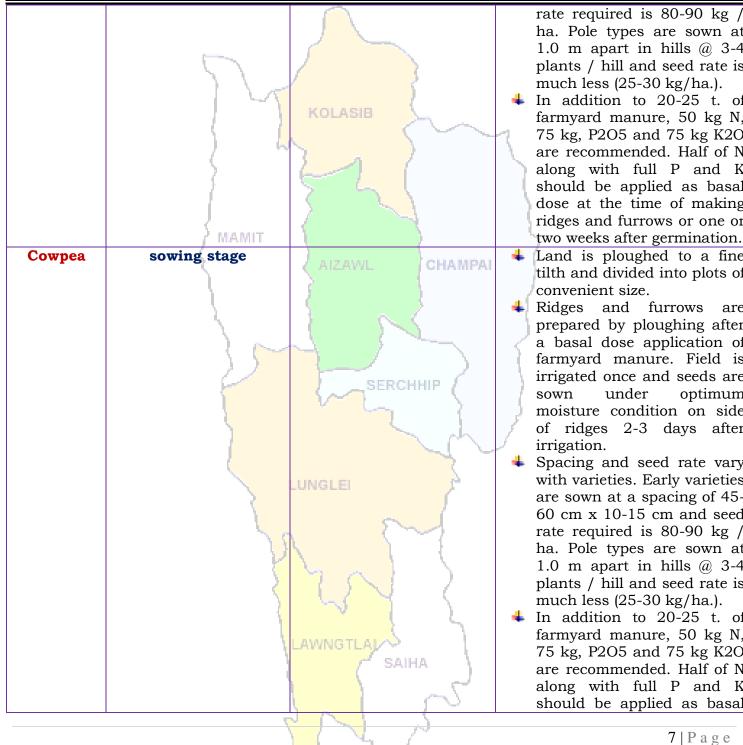


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ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).  $\downarrow$  In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N

- along with full P and K should be applied as basal dose at the time of making ridges and furrows or one or two weeks after germination.
- Land is ploughed to a fine tilth and divided into plots of convenient size.
- Ridges and furrows are prepared by ploughing after a basal dose application of farmyard manure. Field is irrigated once and seeds are sown under optimum moisture condition on side of ridges 2-3 days after irrigation.
- ♣ Spacing and seed rate vary with varieties. Early varieties are sown at a spacing of 45-60 cm x 10-15 cm and seed rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
- ↓ In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal

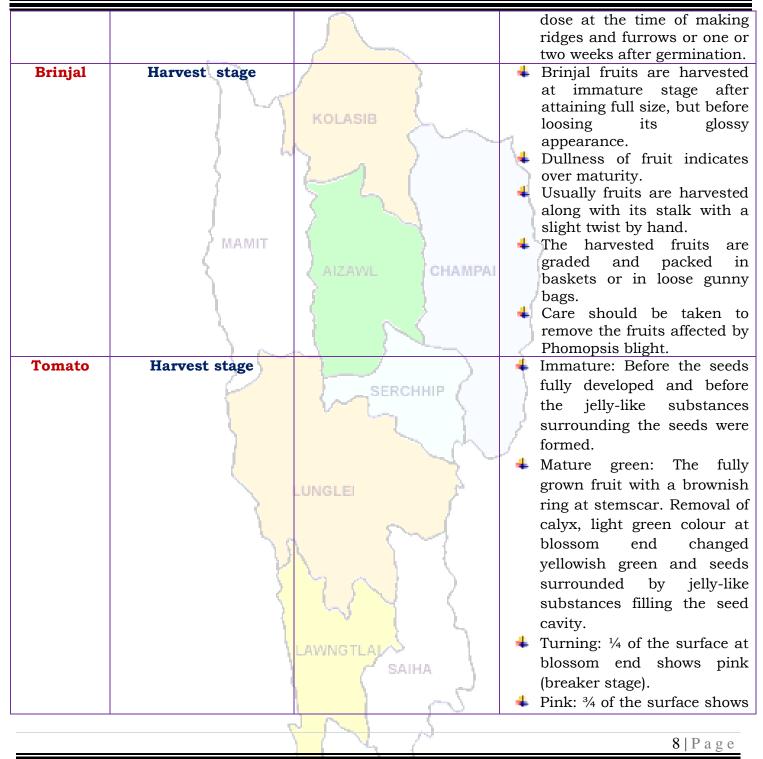
7 | Page



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		<ul> <li>pink</li> <li>Hard ripe: Nearly all red or pink with firm flesh</li> <li>Over ripe: Fully coloured and soft.</li> </ul>
Rice	Panicle initiation stage MAMIT AIZAWL CHAMPA	like toria or pea.
Maize	Harvest stage	<ul> <li>Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.</li> <li>The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.</li> <li>The cobs are removed from the standing crop and sum dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	flowering stage	<ul> <li>One or two hand hoeing and weeding should be done, depending upon soil type and extent of weed infestation.</li> <li>Weeds can also be controlled effectively by the application</li> </ul>
		<b>9</b>   P a g e



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	24	KOLASIB	4	of TOK-E-25 at the rate of 10 ml dissolved in 1 liter of water as pre-emergence spray. Provide irrigation in dry condition or dry spell. Provide 2% urea solution for
Ginger and turmeric	Vegetative stage	Z	4	better growth. Remove unwanted plant near base of the plant and cut dead branches.
	AMMIT	AIZAWL CHAMPAI	4	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,
	2	SERCHHIP	ł	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.
		Thrips	/ 4	Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.
		Scales	4	Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).		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 (BQ)	•	Black Quarter Vaccine
				10   P a g e

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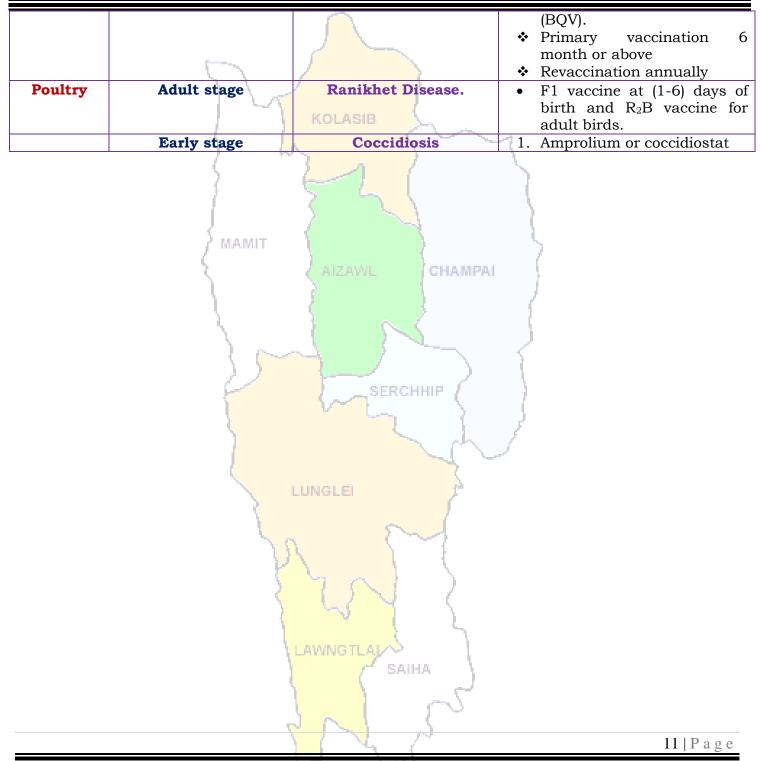


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12 | P a g e



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



1 | Page

### **District: Kolasib**

Bulletin	No: -550	/2015/	Bulletin/	Mizo
		· ·		

### Period: 05- 09, September, 2015

#### Date of issue: 04th September, 2015

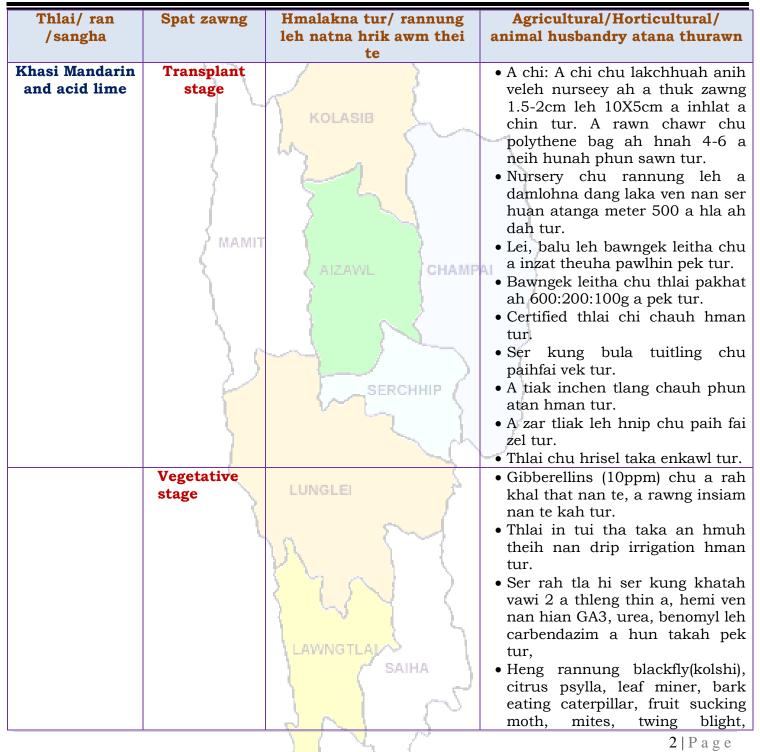
Bulletin No: -550/2	OIS Dullet	.111/ 14120	Date of issue.	04 <sup>th</sup> Septemi	Jer, 2015	
Parameters	05.09.2015	6 06.09.2015	07.09.2015	08.09.2015	09.09.2015	
Rainfall (mm)	8	3	5	3	0	
Max Temp (oC)	27	28	29	29	30	
Min Temp (oC)	21	20	21	21	21	
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	98	99	99	99	
Min RH (%)	92	89	73	70	66	
Wind Speed (KmpH)	2	2	2	2	3	
*Wind Direction	S	S-E	S-E	S-E	S-E	
		rth-Easterly- N-E, Ea				
		th-Westerly- S-W, We				
STATUS OF MONSO Aizawl- 313.32mm			Saiha- 216.20 n		- 247.17mm	
	· · · · · · · · · · · · · · · · · · ·	1ai- 268.78mm (301.30mm)	(367.7r		- 247.17mm (372.0mm)	
(387.0mm) Lawngtlai-226.10mm		ei-370.28mm	Mamit-197.57n		p-247.35mm	
(365.4mm)		(371.4mm)	(376.0n		(301.8mm)	
Ni thum kaltha	·				· · · · · · · · · · · · · · · · · · ·	
		September 05, 2015 atanga September 09, 2015 sik leh sa dinhmun hmuhlawk dan				
sa dinhmun tl						
Khua a lum lai b		Ni 4 lo awm tura				
30.3°C leh a vawl		lum lai berin 27-	9			
23.2-23.7°C ani ang		ni tur ah beisei a				
tlem a lan beisei ar	ni. Thli tleh	lai berin 70-92%	ni tur a beisei	niin. Thli tleł	n dan kawng	
dan kawng zawng	chu chhim	zawng chu chhi	imchhak lam a	tangin a nat	zawng chu	
thlang atangin	ani a.	darkar 2-3 km ni tur a beisei niin. Ni nga chhung lo awm				
Maximum RH san	lai berin	tur ah hian chhum tlem a lan beisei a ni.				
observed 90-96% le	eh a hniam					
lai 51-56% ani ang.	Ni 3 kal ta	Weekly cumulative rainfall: 19.0mm				
chhung a ruah				•		
<b>30.80mm</b> ani.						
NDVI for Mizoram		North East Region	12 August 2015 NDVI	for Mizoram	is less than	
		- STA		al NDVI. Value		
			Persistent cloud	is zero. So, i		
		A A A A A A A A A A A A A A A A A A A	"Bare			
		A	0.5-0.6			
		Agriculture vigour is good in valleys of North-East st cover parts of Assam . NDVI values vary from 0.4-0 NDVI conditions are observed all over NE region.	ates which .6. Normal			
		NDVI conditions are observed all over NE region.	0.1			



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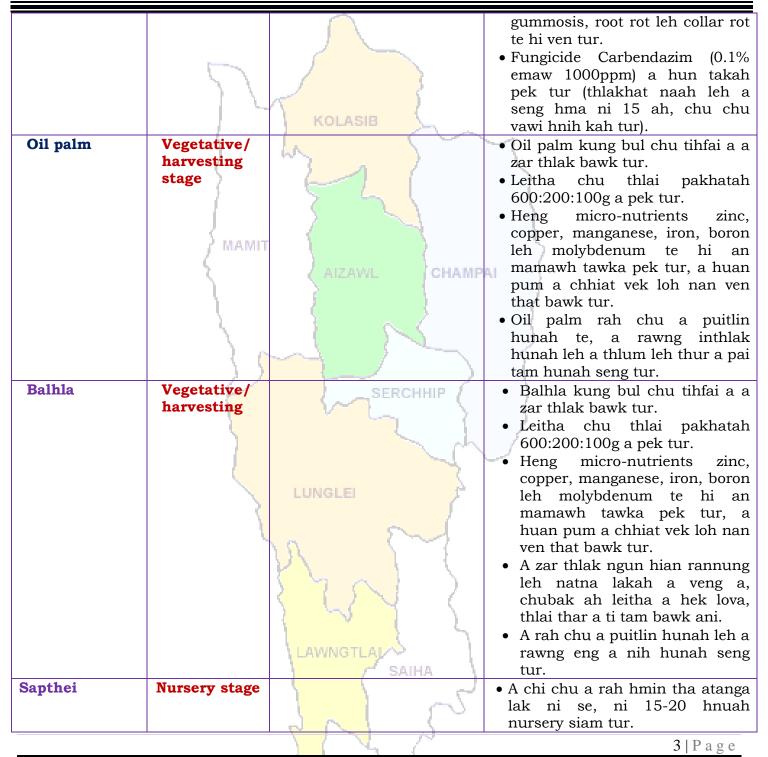


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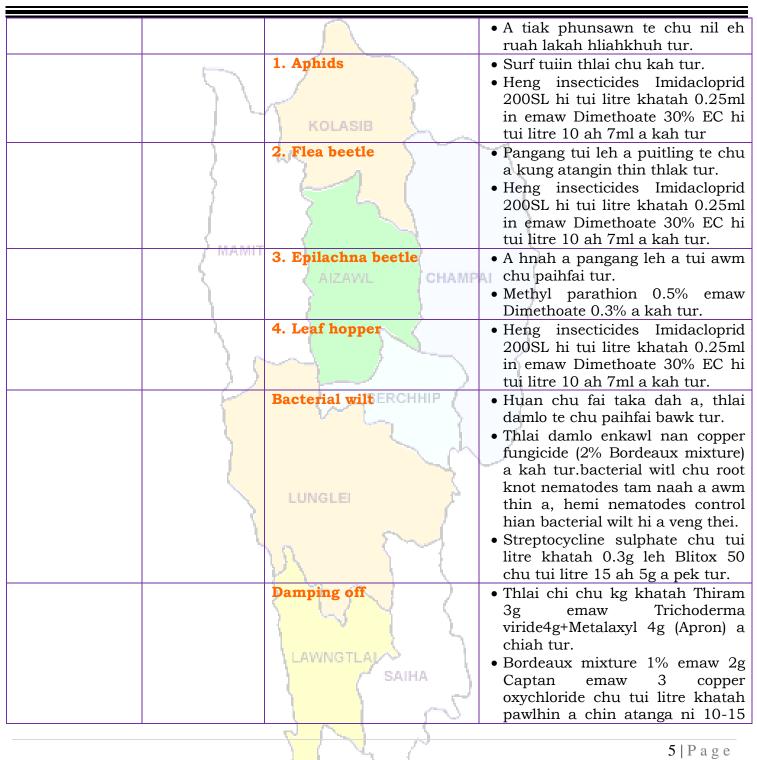
			• A hnah 2/3 a rawn awm tan hnu
			ah polythene bag ah phunsawn
			tur.
			• Polythene bag atangin thla <sup>3</sup> / <sub>4</sub>
		2	hnu ah huan ah phun sawn leh
		$\mathcal{K}$	tur.
		KOLASIB	
	L		• Bawngek leitha chu khur khat
		LAN N	ah 15g leh NPK 100:50:100g in
		3 4 /	kumkhat chhungin pek tur.
Lakhuihthei	A par lai		• A par chhuah hma nan chemical
	(		(Ethrel 10ppm+2% urea+0.04%
			sodium carbonate) chu pek tur.
	<		Tlai ah emaw thlaiin hnah 32 a
	/ MAMIT		neih hunah pek tur.
	5	AIZAWL CHAMP	• Chemical pek atangin ni 55-60
			chhungin a par a chhuah thei
			ang.
	5		• Leitha chu thlai pakhat ah
	<u> </u>		60:50:60g a pek tur.
	) p		• Thlai hnah leh a zar thi te chu
	1 1		paihfai a, hnim te tihfai bawk
		SERCHHIP	tur.
		Corm borer	• Carbofuran 3G chu hectare
		······································	khatah 1.5kga.i a pek tur. Hemi
			hi a zung ah a tuina hnuhma a
			awmin pek tur
Cucurbitaceous	A rah lai	2	• Ni 7 danah tui chu tha taka pek
crops		LUNGLEI 📌	tur.
crops	>	ſ	• Huan zau thamah chuan fruitfly
		a (	leh pumpkin beetle ven nan
			carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah
			10g a pawlhin kar khat danah
			leh a par tan tirhah leh a rah tan
			hunah kah tur.
		L ANALYSTI ALLAS	• Thlai pakhatah a par nasat lain
-		LAWNGTLAL	urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a tui	• A kung bulthut ah hnim chheh
		tlem pek tur.	darh tur.
		2. Phunsawn hnuah tui	• A khat tawkin tui pek tur.
		tha taka pek tur.	
			4   P a g e



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			ah leih tur.
		Leaf spot and leaf blotch	• Dithane M-45 chu tui litre
			khatah 2.5g emaw Carbendazim
			1g chu tui litre khatah pawlhin
	1 1	2	karkhat danah vawi 2/3 kah tur.
			• Leaf spot tan Blitox 3g chu tui
		KOLASIB	litre khata pawlhin kah tur.
	1	Leaf spot leh leaf blotch	• Tui litre khatah Dithane M-45
	/		chu 2.5g emaw Bavistin chu 1g
	1 S		a pawlhin karkhat danah vawi
			2/3 kah thin tur.
			• Leaf spot ah chuan tui litre
			khatah Blitox chu 3g pawlh a
	A MAMIT		kah thin tur.
French bean			
Flench Dean	A par lai	AIZAWL CHAMP	• Bean hnah, a tang ro leh hnim te
			chu paihfai vek tur.
			• Lei chu boruak kal that nan
	5		laihphut thin tur.
			• A chin atanga ni 20-25 ah bean
			kung chu mau in a zamna siam
		Dilate heating Douilin	
		Blister beetle ERCHHIP	• Rannung ho chu mankhawmin
			thah vek tur.
			• Cypermethrin 2g chu tui litre
D			khata pawlhin kah thin tur
Bawkbawn	A chin dan	2	• Balu leh leitha chu lei nen a
			chawhpawlh hnu in 75-100cm a
		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	zau ah a phunna tur siam tur. A
	1	~ (	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
<b>473 4</b>			lei pangngai a vur leh tur.
Tomato	A chin dan		• Nursery tur chu lei dip tha darh
			leh tlema pawng tur (0.8m a zau
		SAIHA	leh 15cm a sei ni se).
		( ( SAINA )	• Leitha 10kg leh bawngek leitha
		7~ (	15:15:15 leh carbofuran 2.5g
			chawhpawlh pek tur.
			6   P a g e



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		Aphids	<ul> <li>Surf tuiin thlai chu kah tur.</li> <li>Heng insecticides Imidacloprid 200SL hi tui litre khatah 0.25ml</li> </ul>
	5	2	in emaw Dimethoate 30% EC hi tui litre 10 ah 7ml a kah tur.
		Epilachna beetle	<ul> <li>Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in flea</li> <li>beetle a veng thei</li> </ul>
Buh	Nursery stage	Pre kharif rice	<ul> <li>A chi tha leh khat tha chauh hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi</li> </ul>
	35	Raised bed method	<ul> <li>A chin na tur chu 10m a sei n 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.</li> <li>Leitha pek hnu ah a chi damdawa a chiah te chu theh tur.</li> </ul>
Vaimim	A chin dan	LUNGLEI	<ul> <li>Lei chu vawi 2/3 laihphut phaw tur.</li> <li>A chi chu a line indawt a chin tur</li> <li>A chi chu kg khatah Thiram 4g a chiah tur.</li> </ul>
			<ul> <li>Hectare khatah buh chi chu 20-25kg hman tur.</li> <li>Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N P2O5 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a nen hunch nel tur hang hunch hunch han he hang 25% chu a hnu thlakhat ah leh a dang 25% chu a hnu thlakhat ah leh a dang 25% chu a hang hunch hunch han hang hang hunch hang hang hang hang hang hang hang han</li></ul>
Sawhthing leh Aieng	Land preparation	Saiha	<ul> <li>dang 25% chu a par hunah pel tur.</li> <li>Thlai hnah, a tang ro leh hnim t chu paihfai vek tur.</li> </ul>
		PN A	<b>7</b>   P a g e



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	5	Thrips	<ul> <li>Lei chu boruak kal that nan laihphut thin tur.</li> <li>Nitrogen leitha chu an mamawh taw kanga pek tur.</li> <li>Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin</li> </ul>
		KOLASIB	kah tur.
		Scales	• 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.L CHAMP	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) HIP	<ul> <li>Black Quarter Vaccine (BQ)</li> <li>Thla ruk an tlin hunah vaccine lak tan tur.</li> <li>Kumkhat hnu ah vaccine pek leh tur.</li> </ul>
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin $F_1$ vaccine pek tur a nia an puitlin hunah $R_2B$ pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.
		LAWNGTLAL	
		5	
			8   P a g e

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/" SAIHA

9 | P a g e



**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: 05- 09, September, 2015

Bulletin	<b>No:</b> -	550,	/2015/	Bulletin	/English
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Date of issue: 04th September, 2015

Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015		
Rainfall (mm)	3	0	0	0	0		
Max Temp (oC)	28	28	29	30	29		
Min Temp (oC)	21	21	21	21	20		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	97	97	97	98	97		
Min RH (%)	71	79	83	79	73		
Wind Speed (KmpH)	4	3	4	4	2		
*Wind Direction	S-E	S-E	E	E	E		
	ortherly- <mark>N</mark> , Nort	h-Easterly- N-E, E	asterly- E, South-l	Easterly- <mark>S-E</mark> ,			
So	utherly- <mark>S</mark> , South	n-Westerly- <mark>S-W</mark> , W	Vesterly-W, North-	westerly- N-W.			
STATUS OF MONSO	OON- August 1-	31, 2015 (Percer	nt of deviation fr	om normal in p	arenthesis)		
Aizawl- 313.32m	m Champha	ai- 268.78mm	Saiha- 216.20 r	nm Kolasib-	247.17mm		
(387.0m	<b>m)</b>	(301.30mm)	(367.71	mm)	(372.0mm)		
Lawngtlai-226.10m	m Lunglei	-370.28mm	Mamit-197.57n	nm Serchhip	-247.35mm		
(365.4mr	n)	(371.4mm)	(376.0r	nm)	(301.8mm)		
Weather summa	ry of the past	Weather for	ecast valid fror	n 05 <sup>th</sup> Septemb	er, 2015 To		
three o	lays		09 <sup>th</sup> September, 2015.				
		There is a ch	There is a chance of light rainfall during the next 1 day.				
		The maximu	m and minimur	n temperatures	for the next		
		5 days may	5 days may range for 28-30°C and 20-21°C. Maximum				
		5 5	relative humidity is expected in the range of 97-98% and				
			ay from 71-83%				
			<i>.</i>				
			southeasterly to easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next				
		five days.					
		iive days.					
		North East Region	2 kly cumulative				
NDVI for Mizoram		North East Region	INL	OVI for Mizoram			
		2000		rmal NDVI. V			
		Carl Star	<pre>&gt; &lt;0.2 / bare soil / wet background</pre>	at NDVI is z	· · · · · · · · · · · · · · · · · · ·		
		CALLER AND	0.3-0.4 rej	presents "Bare S	Soil".		
		. A	0.5 - 0.6				
		Agriculture vigour is good in valleys of	Agriculture vigour is good in valleys of North-East states which				
		cover parts of Assam . NDVI values var NDVI conditions are observed all over N	ry from 0.4-0.6. Normal NE region.				
		N N	1		1   Page		

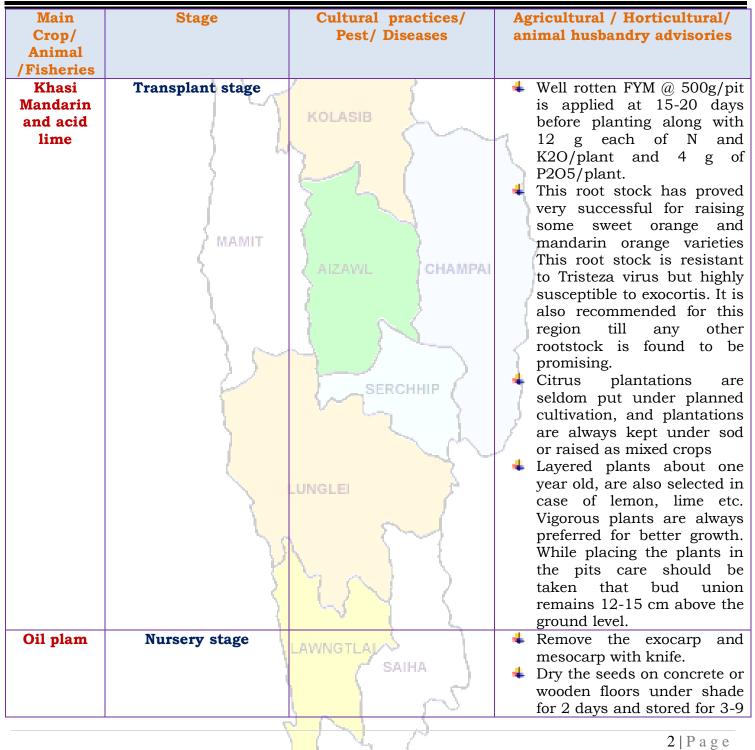


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

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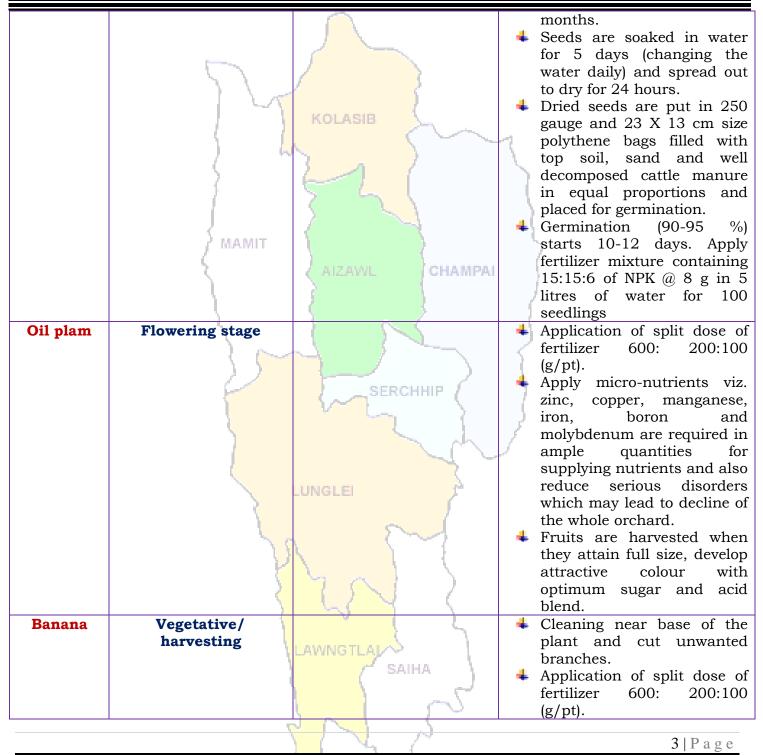




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Mizoram Centre, Kolasib- 796081, MIZORAM



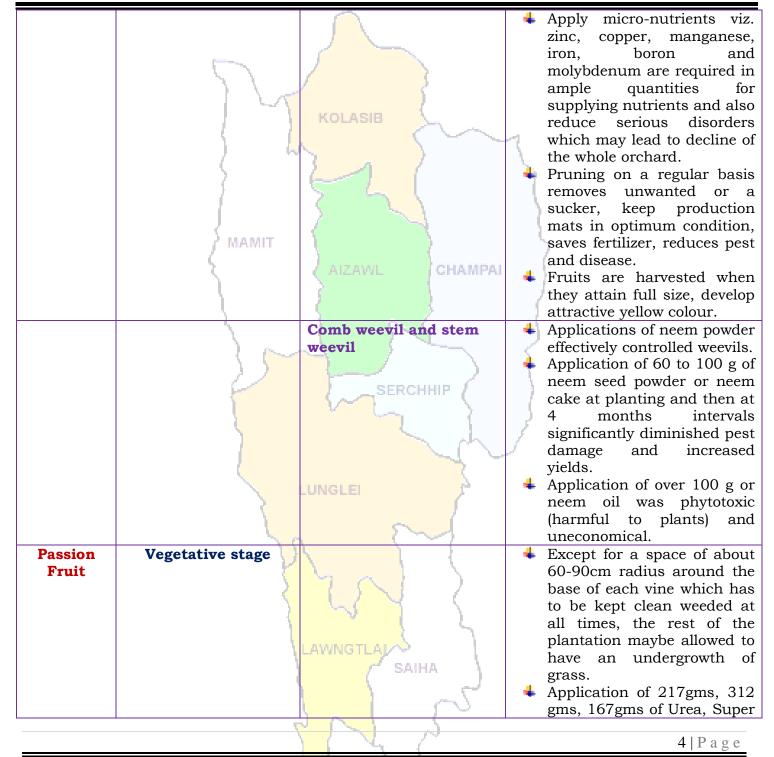




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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)





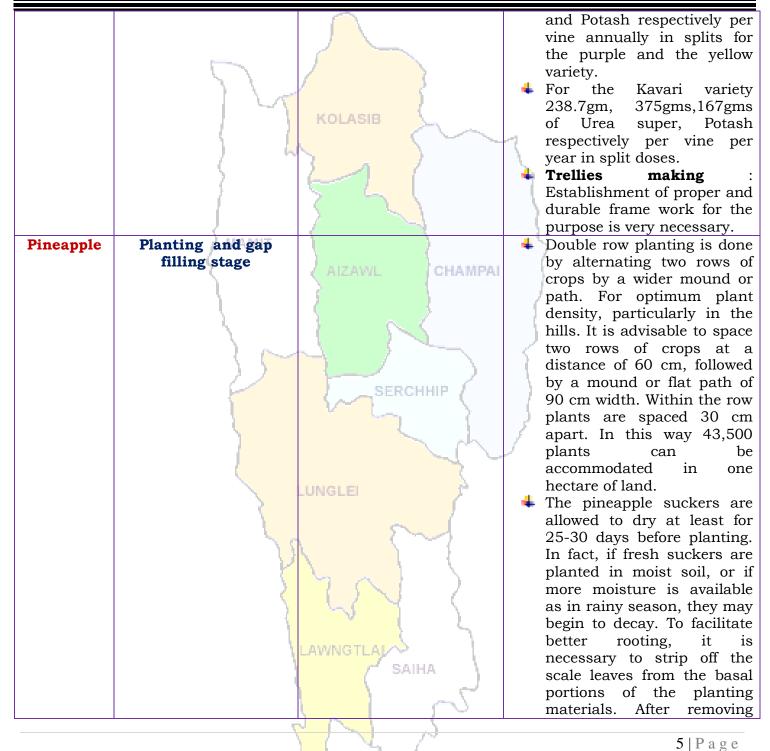


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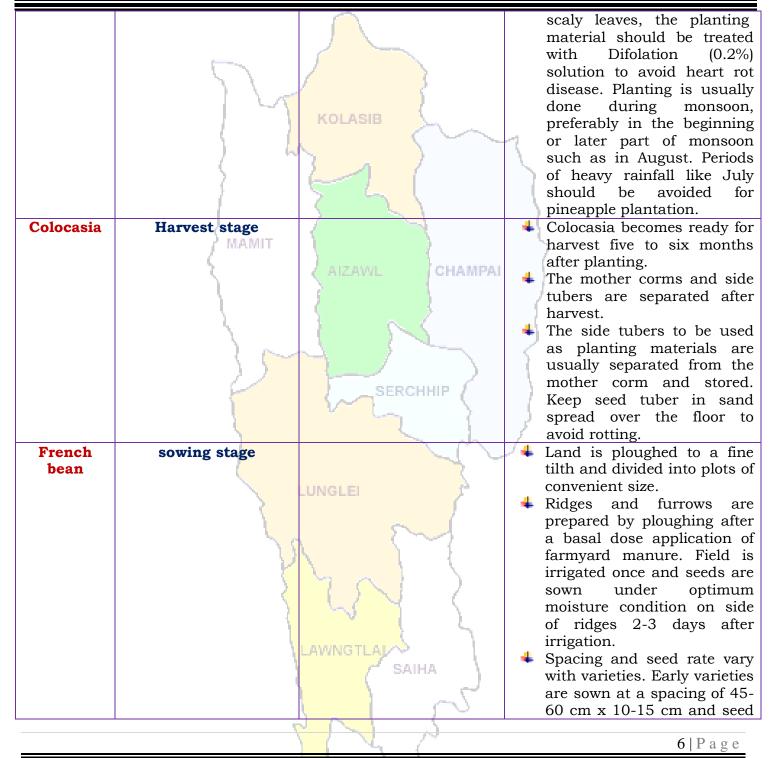




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Mizoram Centre, Kolasib- 796081, MIZORAM





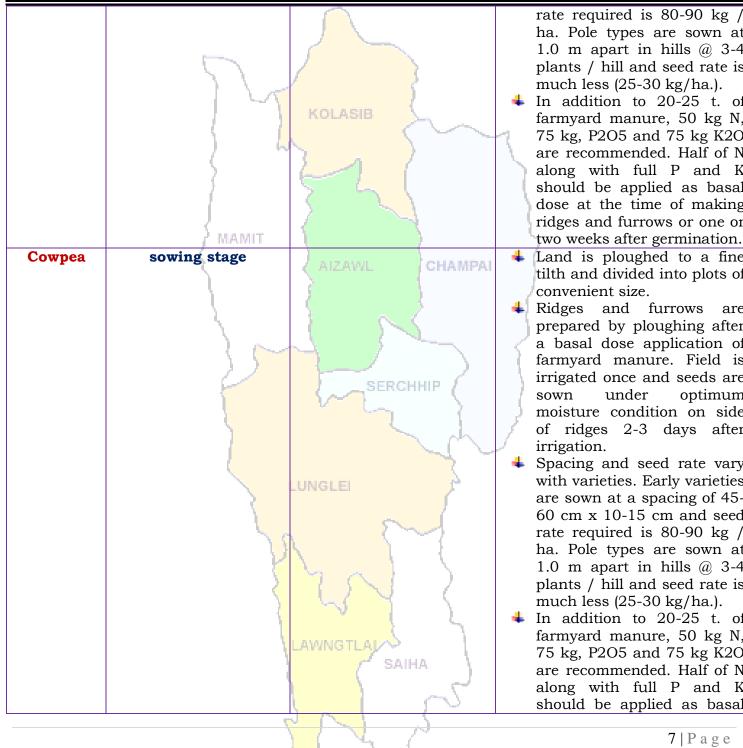


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ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).  $\downarrow$  In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K

- should be applied as basal dose at the time of making ridges and furrows or one or two weeks after germination.
- Land is ploughed to a fine tilth and divided into plots of convenient size.
- Ridges and furrows are prepared by ploughing after a basal dose application of farmyard manure. Field is irrigated once and seeds are sown under optimum moisture condition on side of ridges 2-3 days after irrigation.
- ♣ Spacing and seed rate vary with varieties. Early varieties are sown at a spacing of 45-60 cm x 10-15 cm and seed rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
- ↓ In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal

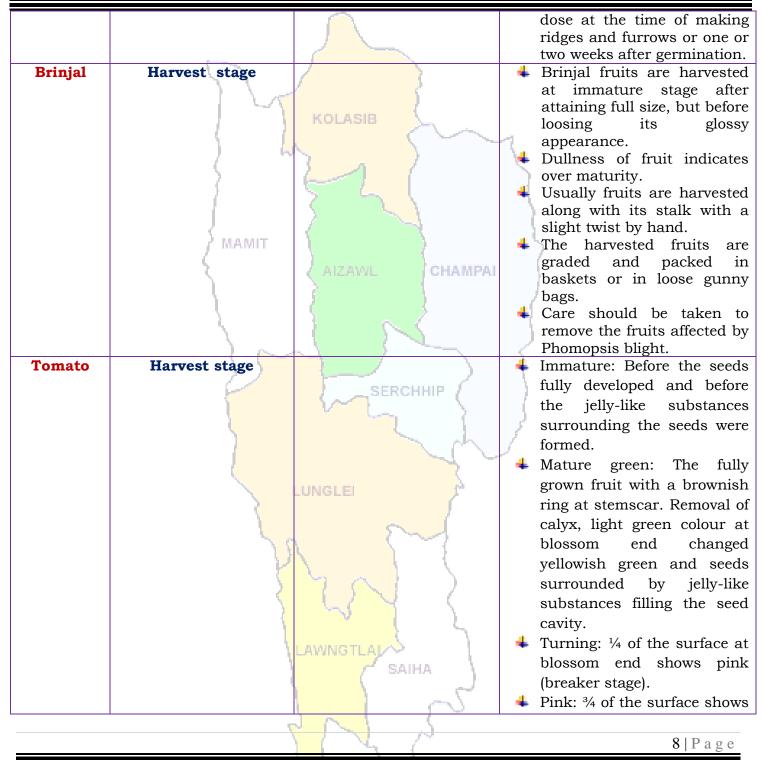
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



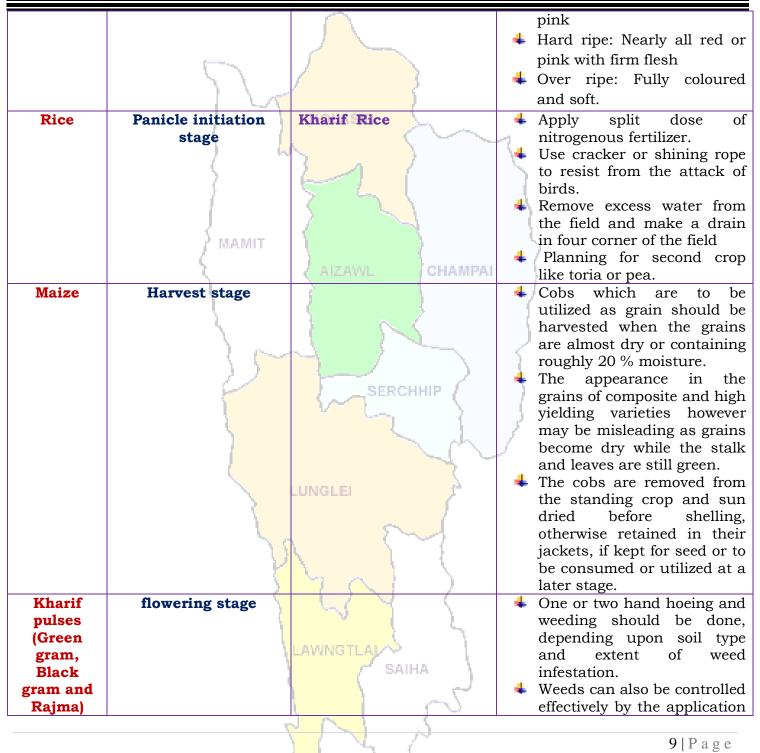




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Ginger and turmeric	Vegetative stage	KOLASIB AIZAWL CHAMPAI		of TOK-E-25 at the rate of 10 ml dissolved in 1 liter of water as pre-emergence spray. Provide irrigation in dry condition or dry spell. Provide 2% urea solution for better growth. Remove unwanted plant near base of the 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, Dandemethelin (Stemp) @ 1
	Z	SERCHHIP	4	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.
		Thrips	/4	Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.
		Scales	4	
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1.	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 (BQ)	•	Black Quarter Vaccine
	1			10   P a g e

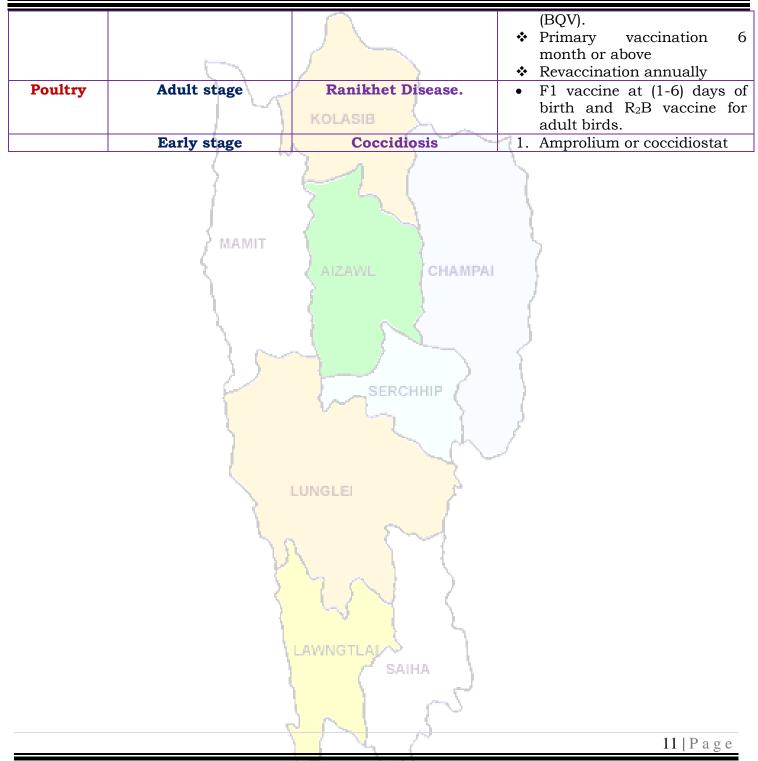
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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







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

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12 | P a g e



**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: 05- 09, September, 2015

#### Bulletin No: -550/2015/ Bulletin/Mizo

Date of issue: 04th September, 2015

Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	3	0	0	0	0
Max Temp (oC)	28	28	29	30	29
Min Temp (oC)	21	21	21	21	20
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	97	97	97	98	97
Min RH (%)	71	79	83	79	73
Wind Speed (KmpH)	4	3	4	4	2
*Wind Direction	S-E	S-E	E	E	E
		th-Easterly- <mark>N-E</mark> , Eas			
		th-Westerly- <mark>S-W</mark> , Wes			
STATUS OF MONSO					
Aizawl- 313.32mm	· · · · · · · · · · · · · · · · · · ·	ai- 268.78mm	Saiha- 216.20 m		- 247.17mm
(387.0mm		(301.30mm)	(367.7n		(372.0mm)
Lawngtlai-226.10mm		ei-370.28mm	Mamit-197.57m		p-247.35mm
(365.4mm)	· · · · · · · · · · · · · · · · · · ·	(371.4mm)	(376.0m		(301.8mm)
Ni thum kaltha	a sik leh 🛛	September 05,	, 2015 atanga	a Septembe:	r 09, 2015
sa dinhmun tl	langpui	sik leh	sa dinhmun i	hmuhlawk (	dan
Ni 1 lo awm turah hian ruahtui a tlak beisei a ni. Khu lum lai berin 28-30°C a ni ang a.A vawh lai ber in 20-2 ni tur ah beisei a ni.RH san lai berin 97-98% leh a hn lai berin 71-83% ni tur a beisei niin. Thli tleh dan kay zawng chu chhimchhak lam atangin a nat zawng darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo a tur ah hian chhum tlem a lan beisei a ni. <b>Weekly cumulative rainfall: 03.0mm</b>					
NDVI for Mizoram		North East Region	12 August 2015 NDVI	for Mizoram	is less than
		Agriculture vigour is good in valleys of North-East stat cover parts of Assam . NDVI values vary from 0.40.6. NDVI conditions are observed all over NE region.	Persistent cloud background 0 4 - 0.3 - 0.4 0 4 - 0.5 0 4 - 0.5 0 - 0.6 which	l NDVI. Value is zero. So, i	e shown that
			<i>p</i> )		1 Page

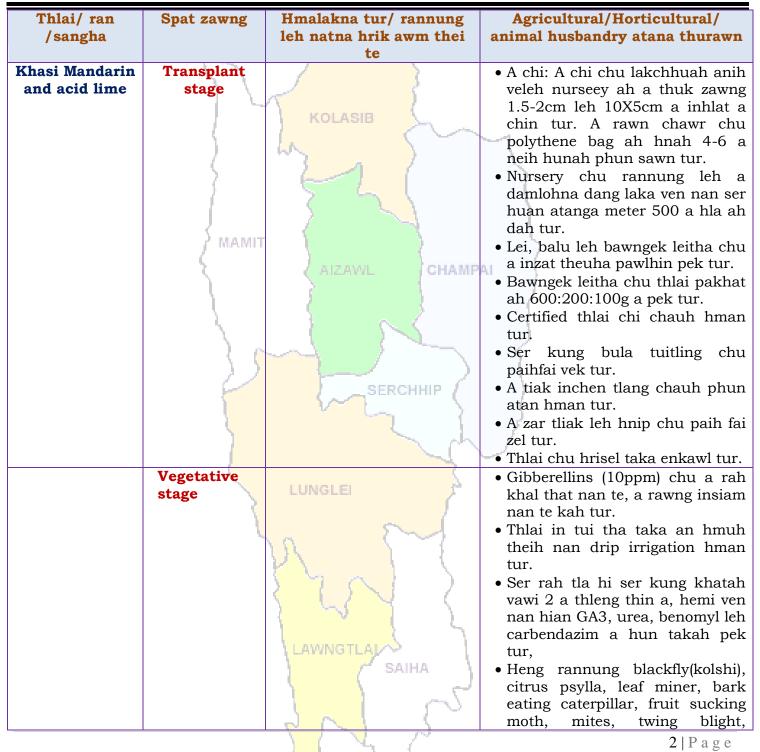
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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM



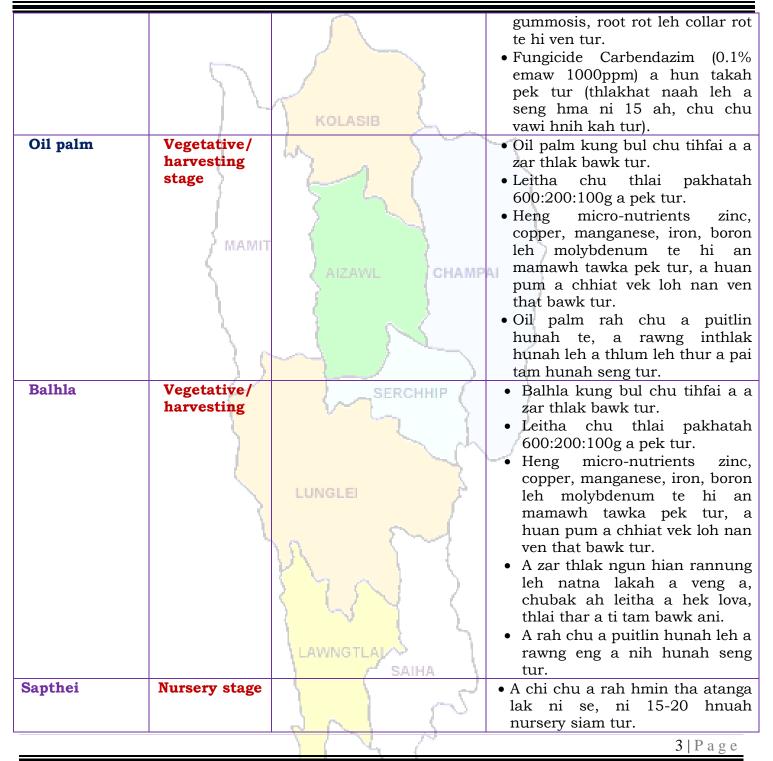




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Mizoram Centre, Kolasib- 796081, MIZORAM







ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM



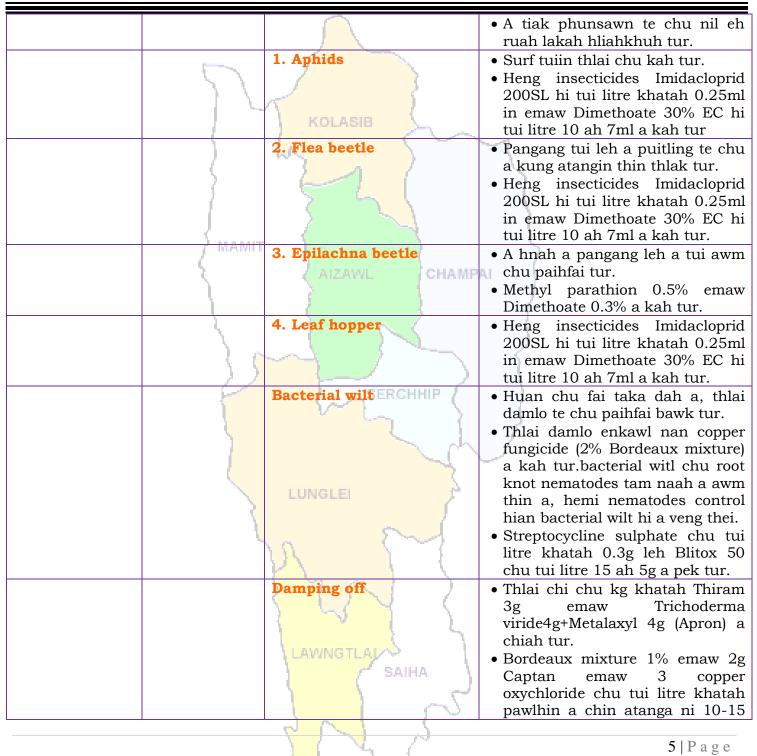
	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>A hnah 2/3 a rawn awm tan hnu ah polythene bag ah phunsawn tur.</li> <li>Polythene bag atangin thla <sup>3</sup>/<sub>4</sub> hnu ah huan ah phun sawn leh tur.</li> <li>Bawngek leitha chu khur khat ah 15g leh NPK 100:50:100g in kumkhat chhungin pek tur.</li> </ul>
Lakhuihthei	A par lai	AIZAWL CHAMP	<ul> <li>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 hunah pek tur.</li> <li>Chemical pek atangin ni 55-60 chhungin a par a chhuah thei ang.</li> <li>Leitha chu thlai pakhat ah 60:50:60g a pek tur.</li> <li>Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.</li> </ul>
		Corm borer	• Carbofuran 3G chu hectare khatah 1.5kga.i a pek tur. Hemi hi a zung ah a tuina hnuhma a awmin pek tur
Cucurbitaceous crops	A rah lai		<ul> <li>Ni 7 danah tui chu tha taka pek tur.</li> <li>Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur.</li> <li>Thlai pakhatah a par nasat lain urea chu 70g a pek tur.</li> </ul>
Bawrhsaiabe	A chin dan	<ol> <li>Nursery tihfai a tui tlem pek tur.</li> <li>Phunsawn hnuah tui tha taka pek tur.</li> </ol>	<ul><li> A kung bulthut ah hnim chheh darh tur.</li><li> A khat tawkin tui pek tur.</li></ul>
L	I		4   P a g e



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







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			ah leih tur.
		Leaf spot and leaf blotch	• Dithane M-45 chu tui litre
	· · · · ·		khatah 2.5g emaw Carbendazim
			1g chu tui litre khatah pawlhin
		~ ~	karkhat danah vawi 2/3 kah tur.
		KOLASIB	• Leaf spot tan Blitox 3g chu tui
			litre khata pawlhin kah tur.
	<u>}</u>	Leaf spot leh leaf blotch	• Tui litre khatah Dithane M-45
			chu 2.5g emaw Bavistin chu 1g
	1		a pawlhin karkhat danah vawi
			2/3 kah thin tur.
			• Leaf spot ah chuan tui litre
	A MAMIT		khatah Blitox chu 3g pawlh a
Decest to see	/	(	kah thin tur.
French bean	A par lai	AIZAWL CHAMP	• Bean hnah, a tang ro leh hnim te
			chu paihfai vek tur.
		5 5	• Lei chu boruak kal that nan laihphut thin tur.
	N 1		• A chin atanga ni 20-25 ah bean
	)		kung chu mau in a zamna siam
	) )		tur.
		Blister beetle ERCHHIP	• Rannung ho chu mankhawmin
			thah vek tur.
			• Cypermethrin 2g chu tui litre
			khata pawlhin kah thin tur
Bawkbawn	A chin dan	1	• Balu leh leitha chu lei nen a
			chawhpawlh hnu in 75-100cm a
		LONGLEI	zau ah a phunna tur siam tur. A
		~ (	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
			• A chi chu schi a hinat a tun in lei pangngai a vur leh tur.
Tomato	A chin dan		• Nursery tur chu lei dip tha darh
			leh tlema pawng tur (0.8m a zau
			leh 15cm a sei ni se).
		SAIHA	• Leitha 10kg leh bawngek leitha
			15:15:15 leh carbofuran 2.5g
			chawhpawlh pek tur.
		2 1 1 5	
		N N C	<b>6</b>   P a g e



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		Aphids	<ul> <li>Surf tuiin thlai chu kah tur.</li> <li>Heng insecticides Imidacloprid 200SL hi tui litre khatah 0.25ml in emaw Dimethoate 30% EC hi</li> </ul>
		1	tui litre 10 ah 7ml a kah tur.
		Epilachna beetle	• Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in flea beetle a veng thei
Buh	Nursery stage	Pre kharif rice	<ul> <li>A chi tha leh khat tha chauh hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi</li> </ul>
	35	Raised bed method	<ul> <li>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.</li> <li>Leitha pek hnu ah a chi damdawi</li> </ul>
Vaimim	A chin dan	SERCHHIP	<ul> <li>a chiah te chu theh tur.</li> <li>Lei chu vawi 2/3 laihphut phaw tur.</li> <li>A chi chu a line indawt a chin tur</li> <li>A chi chu kg khatah Thiram 4g a chiah tur.</li> </ul>
			<ul> <li>Hectare khatah buh chi chu 20-25kg hman tur.</li> <li>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 Nitrogen chu a dose chanve in a</li> </ul>
Sawhthing leh Aieng	Land preparation		<ul> <li>chin hnu ah pek tur, a bang 25%</li> <li>chu a hnu thlakhat ah leh a dang 25% chu a par hunah pel tur.</li> <li>Thlai hnah, a tang ro leh hnim te chu paihfai vek tur.</li> </ul>
	FF	PNL S	7   P a g e



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	5	Thrips	<ul> <li>Lei chu boruak kal that nan laihphut thin tur.</li> <li>Nitrogen leitha chu an mamawh taw kanga pek tur.</li> <li>Roger emaw Monocrophos chu</li> </ul>
			tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun		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) HIP	<ul> <li>Black Quarter Vaccine (BQ)</li> <li>Thla ruk an tlin hunah vaccine lak tan tur.</li> <li>Kumkhat hnu ah vaccine pek leh tur.</li> </ul>
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin $F_1$ vaccine pek tur a nia an puitlin hunah $R_2B$ pek leh tur a ni.
	· · · · · · · · · · · · · · · · · · ·	Coccidiosis	2. Amprolium emaw coccidiostat pek tur.
		LAWINGTLAL	·
		PN 5	8   P a g e



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

Guwahati)



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



#### **District:** Lunglei

Period: 05- 09, September, 2015

Bulletin No: -550	/2015/	Bulletin	/English
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Date of issue: 04th September, 2015

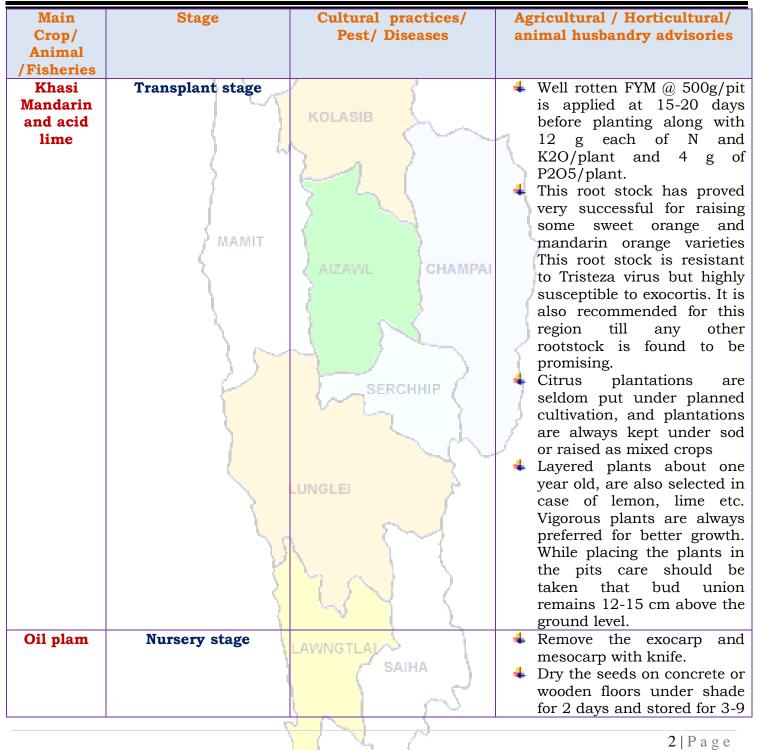
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015		
Rainfall (mm)	0	0	3	0	0		
Max Temp (oC)	28	27	30	30	30		
Min Temp (oC)	20	19	21	20	19		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	99	99	99	99	99		
Min RH (%)	70	85	81	73	65		
Wind Speed (KmpH)	2	2	2	3	2		
*Wind Direction	S-E	E	E	E	E		
		h-Easterly- <mark>N-E</mark> . E	asterly- E, South-l	Easterly- S-E.			
			Vesterly-W, North-				
STATUS OF MONSO	OON- August 1-	31, 2015 (Percer	nt of deviation fr	om normal in p	arenthesis)		
Aizawl- 313.32m	m Champha	ui- 268.78mm	Saiha- 216.20 r	nm Kolasib-	247.17mm		
(387.0m)	m)	(301.30mm)	(367.71	nm)	(372.0mm)		
Lawngtlai-226.10m	m Lunglei	-370.28mm	Mamit-197.57n	nm Serchhip	-247.35mm		
(365.4mr	n)	(371.4mm)	(376.0r	nm)	(301.8mm)		
Weather summa	ry of the past	Weather for	ecast valid fror	n 05 <sup>th</sup> Septemb	er, 2015 To		
three o	lays	09 <sup>th</sup> September, 2015.					
		There is a chance of light rainfall during the next 1 days. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 19-21°C. Maximum					
		minimum m	relative humidity is expected in the range of 99% and minimum may from 65-85%. Wind direction would be				
			southeasterly to easterly with the wind speed of 2-3 km				
		-	per hour. Mainly cloudy sky will prevail during the next				
		five days.					
			kly cumulative	<b>v</b>			
NDVI for Mizoram		North East Region		OVI for Mizoram			
				rmal NDVI. V			
		Constant and	<pre></pre>	at NDVI is z	zero. So, it		
		PR ST	0.1-0.5 0.3-0.4 0.4-0.5	presents "Bare S	Soil".		
		. A	0.5 - 0.6				
		Agriculture vigour is good in valleys of cover parts of Assam . NDVI values va NDVI conditions are observed all over N	ry from 0.4-0.6. Normal				
			1		1   P a g e		



ICAR RESEARCH COMPLEX FOR NEH REGION

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



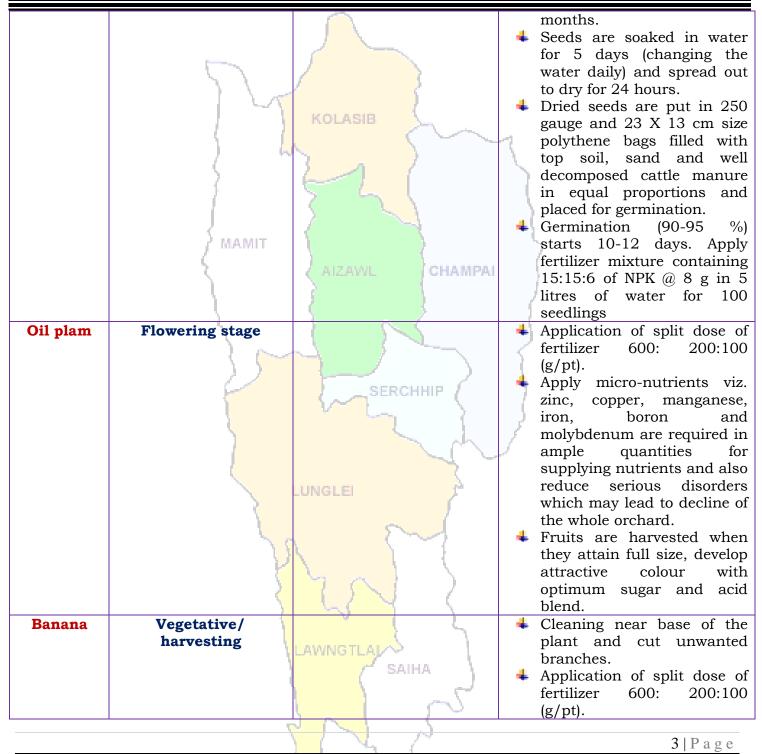




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Mizoram Centre, Kolasib- 796081, MIZORAM



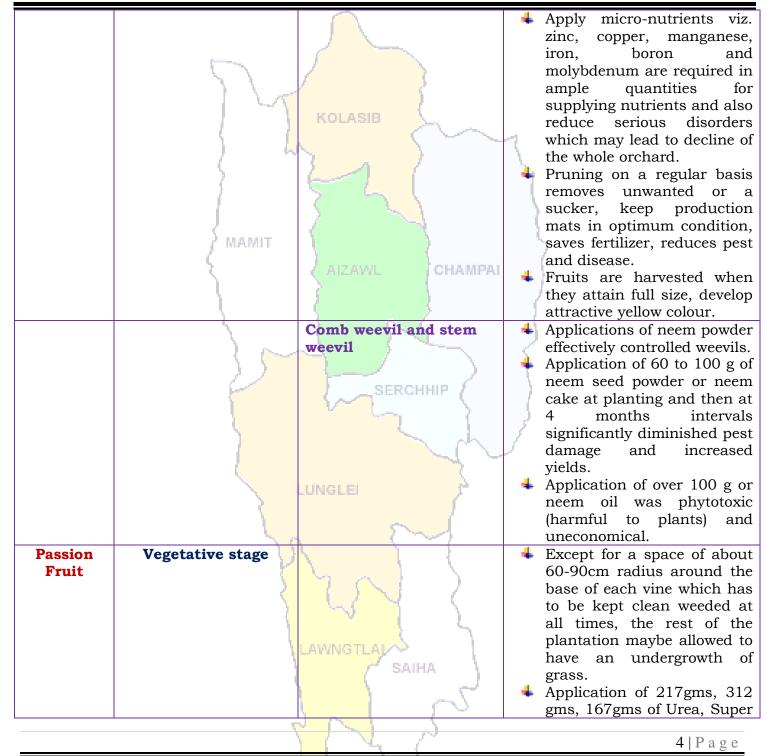




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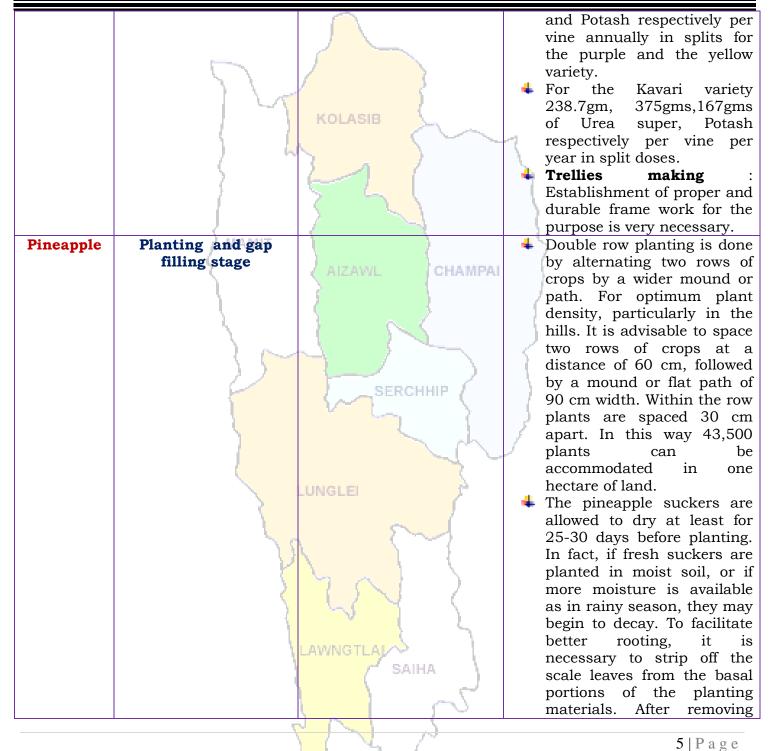




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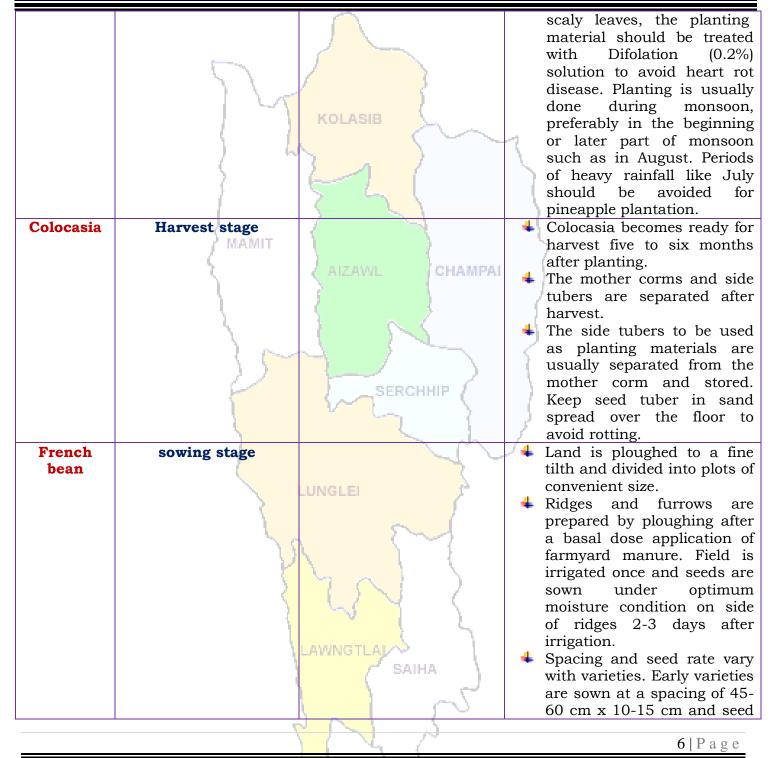




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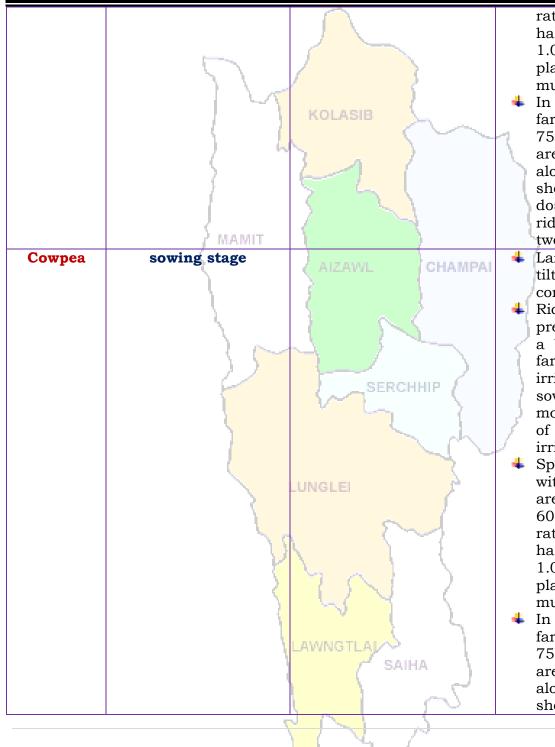


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rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal dose at the time of making ridges and furrows or one or two weeks after germination.

- Land is ploughed to a fine tilth and divided into plots of convenient size.
- Ridges and furrows are prepared by ploughing after a basal dose application of farmyard manure. Field is irrigated once and seeds are sown under optimum moisture condition on side of ridges 2-3 days after irrigation.
- Spacing and seed rate vary with varieties. Early varieties are sown at a spacing of 45-60 cm x 10-15 cm and seed rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
- In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal

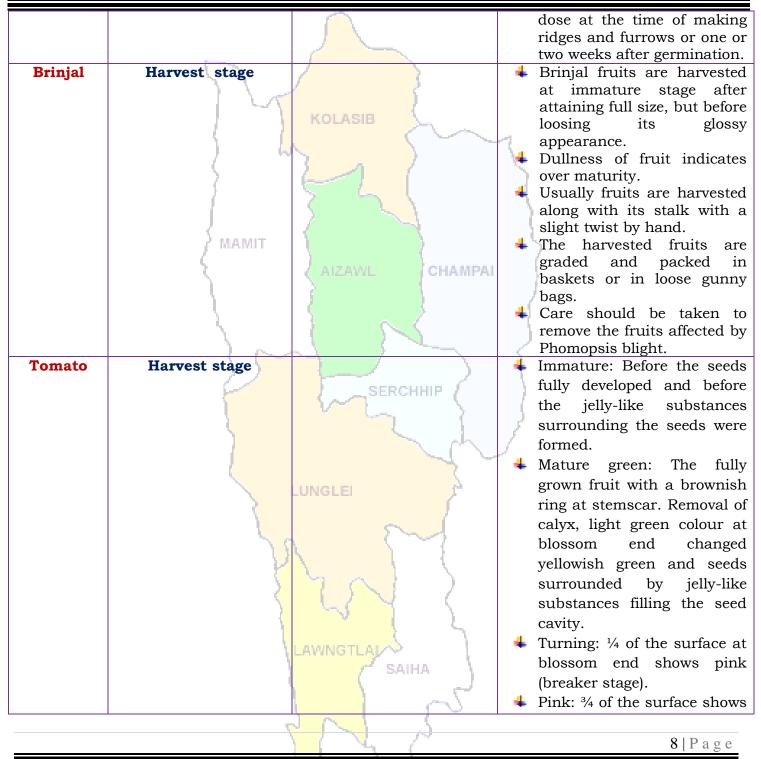
7 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



Rice       Panicle initiation stage       Kharif Rice       + Hard ripe: Nearly all red or pink with firm flesh         Rice       Panicle initiation stage       Kharif Rice       + Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       - Remove excess water from the attack of birds.         Maize       Harvest stage       - Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage       - Remove excess water from the stack of birds.         Maize       Harvest stage       - Remove excess water from the stack of birds.         Maize       Harvest stage       - Remove excess water from the stack of birds.         Maize       Harvest stage       - Remove excess water from the stack of birds.         Maize       Harvest stage       - Remove excess water from the stack of birds.         Maize       Harvest stage       - Remove excess water from the stack of birds.         Maize       Harvest stage       - Cobs which are to be tuilized as grain should be harvested when the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Maize       flowering stage       - One or two hand hoeing and weeding should be done, depending upon soil type and extent of weed infestation.         Weeds can also be controlled effectively by the application       Weeds can also be controlle			
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       Kharif Rice       Harvest stage         Maize       Harvest stage       CHAMPA       Planning for second crop like toria or pea.         Maize       Harvest stage       CHAMPA       Cobs which are to be utilized as grain should be harvested when the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Musies       flowering stage       UNCLE         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       WNOTLANAMA			pink
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of nitrogenous fertilizer.         Waize       MAMIT       ARAVL       CHAMPA         Maize       Harvest stage       Champa       Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage       Champa       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains are tanding cop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       4			4 Hard ripe: Nearly all red or
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of mitrogenous fertilizer.         Waize       Harvest stage       AZAVIL       CHAMPA         Maize       Harvest stage       AZAVIL       CHAMPA         Maize       Harvest stage       CHAMPA       Planning for second crop like toria or pea.         Maize       Harvest stage       CHAMPA       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at alter stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       AWNGTLAU			pink with firm flesh
Rice       Panicle initiation stage       Kharif Rice       Apply split dose of mitrogenous fertilizer.         Waize       Harvest stage       AZAVIL       CHAMPA         Maize       Harvest stage       AZAVIL       CHAMPA         Maize       Harvest stage       CHAMPA       Planning for second crop like toria or pea.         Maize       Harvest stage       CHAMPA       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at alter stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       AWNGTLAU			4 Over ripe: Fully coloured
Rice       Panicle initiation stage       Kharif Rice       4       Apply split dose of nitrogenous fertilizer.         Maize       Mamit       Mamit       Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       Apply split dose of nitrogenous fertilizer.         Maize       Harvest stage       Apply split dose of nitrogenous fertilizer.         SERCHHP       Apply split dose of nitrogenous fertilizer.       Use cracker or shining rope to resist from the attack of birds.         Maize       Harvest stage       CHAMPAI       Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage       ChamPAI       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughy 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       4         Weeds can also be controlled effectively by the application.       Weeds can also be controlled effectively by the application			
Stage       Introgenous fertilizer.         Waize       Harvest stage         Maize       Harvest stage         Maize       Harvest stage         SERCHHP       CHAMPH         SERCHHP       Color of the stall and leaves are still green.         The appearance in the stalk and leaves are still green.       The stalling of second from the stall and leaves are still green.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       AvwortLate SaiHA	Pice	Paniale initiation Kharif Pice	
Maize       Harvest stage       Imamit       Azamu       CHAMPAI         Maize       Harvest stage       CHAMPAI       Remove excess water from the field and make a drain in four corner of the field         Maize       Harvest stage       CHAMPAI       ChamPAI         SERCHHIP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing rough 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNGLE       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage	Nice		
Maize       Harvest stage       Imamit       Alzavit       CHAMPAI       Imamit field       Imamit field         Maize       Harvest stage       Imamit field       Imamit field       Imamit field       Imamit field         Maize       Harvest stage       Imamit field       Imamit field       Imamit field       Imamit field         Maize       Harvest stage       Imamit field       Imamit field       Imamit field       Imamit field         SERCHIP       SERCHIP       Imamit field       Imamit field       Imamit field       Imamit field         Imamit field       SERCHIP       Imamit field       Imamit field       Imamit field       Imamit field         Imamit field       SERCHIP       Imamit field       Imamit field       Imamit field       Imamit field         Imamit field       SERCHIP       Imamit field       Imamit field       Imamit field       Imamit field         Imamit field       SERCHIP       Imamit field       Imamit field       Imamit field       Imamit field         Imamit field       SERCHIP       Imamit field       Imamit field       Imamit field       Imamit field         Imamit field       SERCHIP       Imamit field       Imamit field       Imamit field       Imamit field         Imamit fie		Stage	
Maize       Harvest stage       Alzawi       CHAMPAI       Biack         SERCHIP       SERCHIP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.       The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       AwnotLay SalHA			
Maize       Harvest stage         Maize       Harvest stage         SERCHHIP       Champal         SERCHHIP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         Kharif pulses (Green gram, Black gram, Black gram and Rajma)       flowering stage			
Maize       Harvest stage       AZZAVL       CHAMPAI       the field and make a drain in four corner of the field         Maize       Harvest stage       Champai       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         SERCHHIP       SERCHHIP       The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         WIGLE       UNGLE       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Black gram and grama)       flowering stage       AWNGTLAN			
Maize       Harvest stage       In four corner of the field         Maize       Harvest stage       Champai         Maize       Harvest stage       Champai         SERCHIP       SERCHIP       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNGLE       UNGLE         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage         Must data data data data data data data da			
Maize       Harvest stage       Planning for second crop like toria or pea.         Maize       Harvest stage       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNGLE       UNGLE         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage         Muse       AWNGTLAY SAIHA         Kharif gram and Rajma)       Mover to file to the dome and supplication		AMAMIT	
Maize       Harvest stage       Cobs which are to be utilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture.         The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.         UNGLE       The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.         Kharif pulses (Green gram, Black gram and Rajma)       flowering stage         WingTLAU       SAIHA         Weeds can also be controlled effectively by the application			↓ Planning for second crop
Kharif pulses (Green gram, Black gram and Rajma)flowering stageAWNGTLAU SAIHAutilized as grain should be harvested when the grains are almost dry or containing roughly 20 % moisture. The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif gram and Rajma)flowering stageImage: Composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif gram and Rajma)flowering stageImage: Composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif gram, Black gram and Rajma)flowering stage the stalk the stalk 		AIZAWL CHAMPA	like toria or pea.
Kharif pulses (Green gram, Black gram and Rajma)flowering stageAwnor Lays Amount of the state and extent of weed infestation.flowering stageKharif pulses (Green gram and Rajma)flowering stageImage: Comparison of the state and extent of weed infestation.	Maize	Harvest stage	
Kharif pulses (Green gram, Black gram and Rajma)flowering stageAwnog TLay SAIHAare almost dry or containing roughly 20 % moisture. The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Composite and block may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram and Rajma)flowering stageImage: Composite and block stageWeeds can also be controlled effectively by the applicationImage: Composite and block stage			
Kharif pulses (Green gram, Black gram and Rajma)flowering stageAWNGTLANA SAIHAToughly 20 % moisture. The appearance in the grains of composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Composite and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, and gram and Rajma)flowering stageImage: Composite and high stalkaKharif pulses (Green gram and Rajma)flowering stageImage: Composite and high stalka			<u> </u>
SERCHHIPSERCHHIPSERCHHIPSERCHHIPWielding varieties however may be misleading as grains become dry while the stalk and leaves are still green.UNGLE<			
Kharif pulses (Green gram, Black gram and Rajma)flowering stageSERCHHIP ser and high yielding varieties however may be misleading as grains become dry while the stalk and leaves are still green. The cobs are removed from the standing crop and sun dried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram and Rajma)flowering stage4One or two hand hoeing and weeding should be done, depending upon soil type and extent of weed infestation.			
Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Composite and fight may be misleading as grains become dry while the stalk and leaves are still green.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Composite and fight may be misleading as grains become dry while the stalk and leaves are still green.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Composite and fight may be misleading as grains become dry while the stalk and leaves are still green.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Composite and fight may be misleading as grains become dry while the stalk and leaves are still green.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Composite and fight may be misleading as grains become dry while the stalk and leaves are still green.Kharif pulses (Green gram, blackflowering stageImage: Composite and fight may be misleading and may be misleadin		SERCHHIP	
Kharif pulses (Green gram, Black gram and Rajma)flowering stageAWNGTLA SAIHAmay be misleading as grains become dry while the stalk and leaves are still green.Kharif pulses (Green (Green gram, Black gram and Rajma)flowering stageImage: Comparison of the standing crop and sundried the stand			
Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Constraint of the stand state of the			
Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Constraint of the standing crop and sundried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Constraint of the standing crop and sundried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Constraint of the standing crop and sundried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Constraint of the standing crop and sundried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, black gram and black gram			
Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Construct of the standing crop and sundried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Construction of the standing crop and sundried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Construction of the standing crop and sundried before shelling, otherwise retained in their jackets, if kept for seed or to be consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Construction of the standing crop and sundried before shelling, otherwise retained in their gram and extent of weed infestation.Weeds can also be controlled effectively by the application			
Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Here is a state			C C
Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Consumed or utilized at a later stage.		LUNGLEI	
Kharif pulses (Green gram, Black gram and Rajma)       flowering stage       Image: Consumed or utilized at a later stage.         AWNGTLA SAIHA       One or two hand hoeing and weeding should be done, depending upon soil type and extent of weed infestation.			
Kharif pulses (Green gram, Black gram and Rajma)flowering stage the consumed or utilized at a later stage.Kharif pulses (Green gram, Black gram and Rajma)flowering stage AWNGTLA SAIHA4Weeds can also be controlled effectively by the application			
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Kharif pulses (Green gram, Black gram and Rajma)flowering stageImage: Constraint of the state of the st			be consumed or utilized at a
pulses (Green gram, Black gram and Rajma)weeding should be done, depending upon soil type and extent of weed infestation.Weeds can also be controlled effectively by the application			
(Green gram, Black gram and Rajma) AWNGTLA SAIHA AWNGTLA SAIHA AWNGTLA SAIHA CAWNGTLA SAIH		flowering stage	
gram, Black gram and Rajma)			
Black       SAIHA       and extent of weed         gram and       SAIHA       infestation.         Rajma)       Gram and catent of weed       SAIHA	•	AWNGTIAL	
gram and Rajma)	- · ·		
Rajma)  effectively by the application			
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Ginger and turmeric       Vegetative stage       Image: Construction of the solution of the solutis the solutis of the solution of the soluti				
Fig       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 (BQ)       • Black Quarter Vaccine	_		AIZAWL CHAMPAI	<ul> <li>spray.</li> <li>Provide irrigation in dry condition or dry spell.</li> <li>Provide 2% urea solution for better growth.</li> <li>Remove unwanted plant near base of the plant and cut dead branches.</li> <li>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.</li> </ul>
Scales       Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.         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 (BQ)       • Black Quarter Vaccine				Spray Roger or Monocrotophos (2.5 ml/lt)
Respiratory Syndrome (PRRS).       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 (BQ)       • Black Quarter Vaccine				<ul> <li>Spray Quinalphos or Monocrotophos (2.5 ml/lt)</li> </ul>
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	Pig	All stages	Respiratory Syndrome	0 1 10
(FMD)         repeat every 6 month.           Young stage         Black Quarter (BQ)         Black Quarter Vaccine		Adult stage	Y E S	
	Cattle		(FMD)	repeat every 6 month.
10   Page		ioung stage	Black Quarter (BQ)	• Black Quarter Vaccine
				10   P a g e

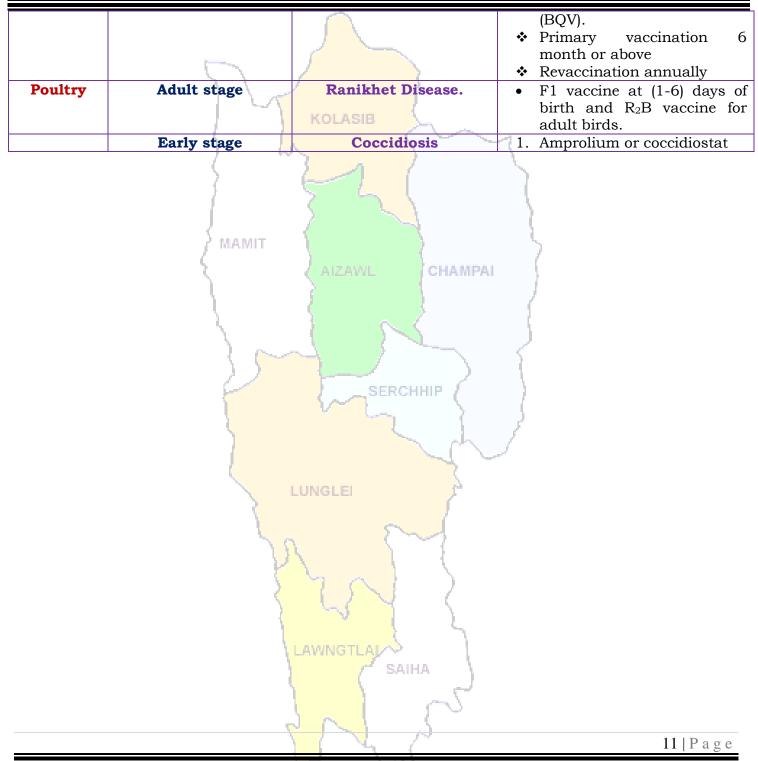
Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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







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

Guwahati)



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12 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



#### **District:** Lunglei

Period: 05- 09, September, 2015

#### Bulletin No: -550/2015/ Bulletin/Mizo

Date of issue: 04th September, 2015

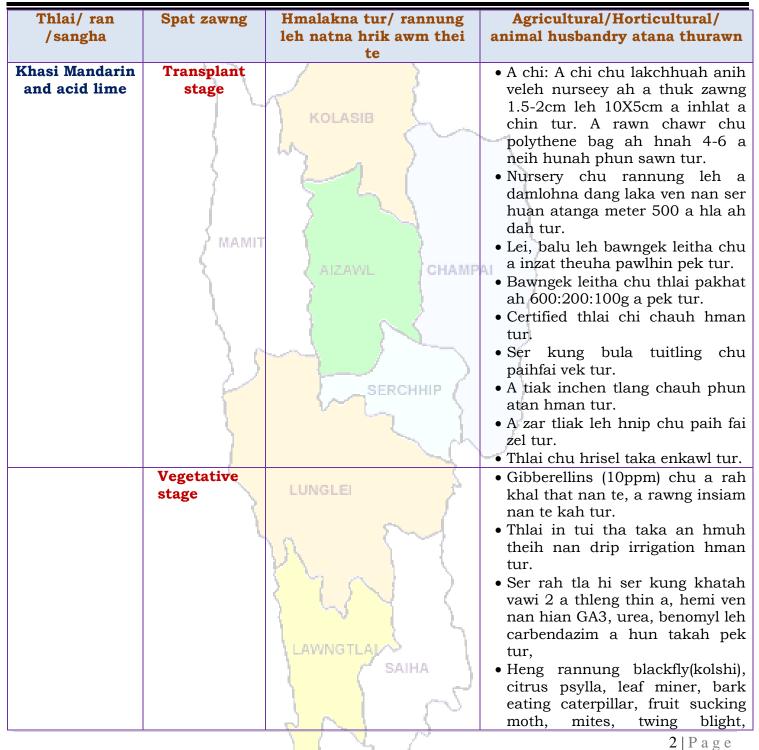
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	0	0	3	0	0
Max Temp (oC)	28	27	30	30	30
Min Temp (oC)	20	19	21	20	19
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	99	99	99	99
Min RH (%)	70	85	81	73	65
Wind Speed (KmpH)	2	2	2	3	2
*Wind Direction	S-E	E	E	E	E
		th-Easterly- N-E, Eas			
		th-Westerly- S-W, Wes			
STATUS OF MONSO					
Aizawl- 313.32mm	· · · · · · · · · · · · · · · · · · ·	ai- 268.78mm	Saiha- 216.20 m		- 247.17mm
(387.0mm		(301.30mm)	(367.7n		(372.0mm)
Lawngtlai-226.10mm		ei-370.28mm	Mamit-197.57m		p-247.35mm
(365.4mm)		(371.4mm)	(376.0m		(301.8mm)
Ni thum kaltha		September 05,			
sa dinhmun tl	langpui	sik leh	sa dinhmun	hmuhlawk (	dan
		Ni 1 lo awm tura	h hian ruahtui	a tlak beisei	a ni. Khua a
		lum lai berin 27-3	30ºC a ni ang a	.A vawh lai be	er in 19-21°C
		ni tur ah beisei a	ni.RH san lai i	berin 99% leh	a hniam lai
		berin 65-85% ni	tur a beisei r	niin. Thli tleh	dan kawng
		zawng chu chhi			
		darkar 2-3 km ni		0	0
		tur ah hian chhur			8
		Weeklı	, cumulative ra	uinfall: 03.0m	nm
NDVI for Mizoram		North East Region		for Mizoram	
		STA		l NDVI. Value	
			and the second se	is zero. So, i	
		R225 FR	<sup>0.2-0.3</sup> 0.3-0.4 "Bare	· · · · · · · · · · · · · · · · · · ·	n represents
			0.4-0.5 0.5-0.6		
		W/	>0.6		
		Agriculture vigour is good in valleys of North-East state cover parts of Assam . NDVI values vary from 0.4-0.6. NDVI conditions are observed all over NE region.	zs which Normal		
		the resolutions are observed an over ME region.			
			2		
					1   Page



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Mizoram Centre, Kolasib- 796081, MIZORAM



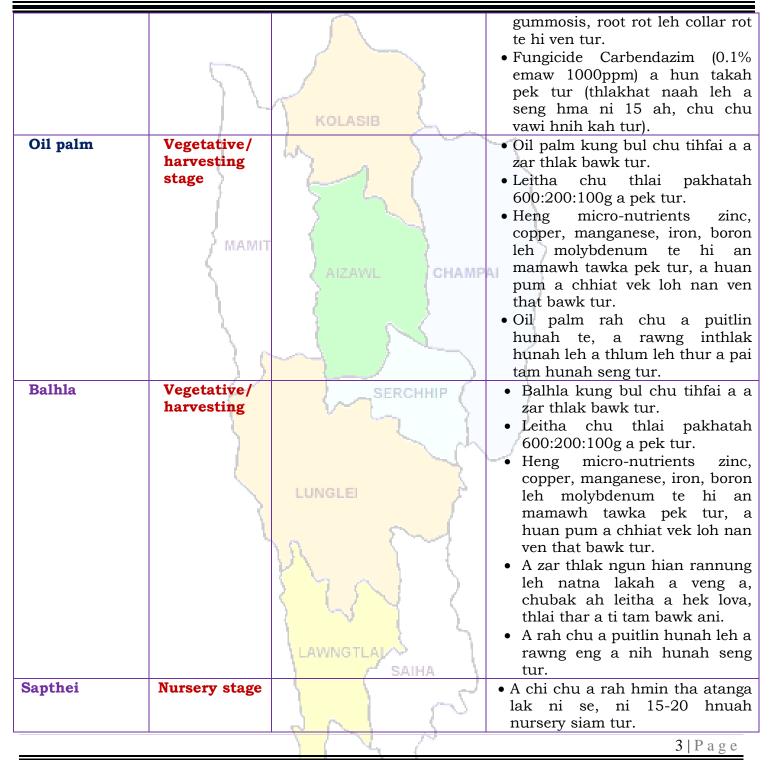




**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM







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Mizoram Centre, Kolasib- 796081, MIZORAM



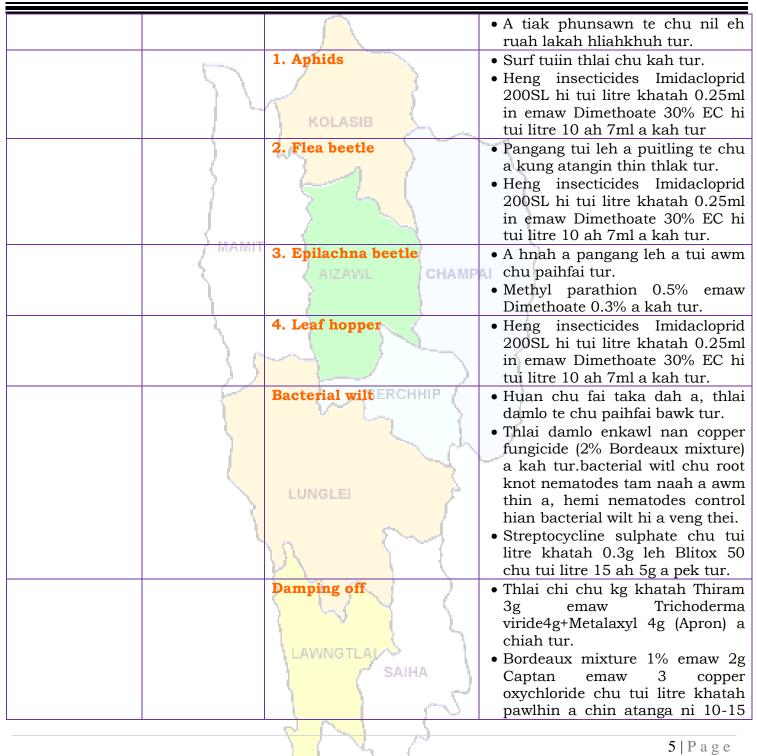
			• A hnah 2/3 a rawn awm tan hnu
			ah polythene bag ah phunsawn
			tur.
			• Polythene bag atangin thla <sup>3</sup> / <sub>4</sub>
		2	hnu ah huan ah phun sawn leh
		S	tur.
		KOLASIB	• Bawngek leitha chu khur khat
			ah 15g leh NPK 100:50:100g in
			kumkhat chhungin pek tur.
Lakhuihthei	A par lai		• A par chhuah hma nan chemical
	• • • • • • • • • • • • • • • • • • • •		(Ethrel 10ppm+2% urea+0.04%
			sodium carbonate) chu pek tur.
			Tlai ah emaw thlaiin hnah 32 a
	AMIT		neih hunah pek tur.
	ζ	AIZAWL CHAMP	• Chemical pek atangin ni 55-60
	5	CAIZAWL CHAMP	chhungin a par a chhuah thei
			ang.
			• Leitha chu thlai pakhat ah
	N 1		60:50:60g a pek tur.
	) p		• Thlai hnah leh a zar thi te chu
	))		paihfai a, hnim te tihfai bawk
		SERCHHIP	tur.
		Corm borer	• Carbofuran 3G chu hectare
			khatah 1.5kga.i a pek tur. Hemi
			hi a zung ah a tuina hnuhma a
			awmin pek tur
Cucurbitaceous	A rah lai	<u></u>	• Ni 7 danah tui chu tha taka pek
crops		LUNGLEI	tur.
			• Huan zau thamah chuan fruitfly
			leh pumpkin beetle ven nan
			carbaryl 0.2% leh malathion
			0.15% chu chini tui litre khatah
			10g a pawlhin kar khat danah
			leh a par tan tirhah leh a rah tan
			hunah kah tur.
			• Thlai pakhatah a par nasat lain
		LAWNGTLAL	urea chu 70g a pek tur.
Bawrhsaiabe	A chin dan	1. Nursery tihfai a tui	• A kung bulthut ah hnim chheh
		tlem pek tur.	darh tur.
		2. Phunsawn hnuah tui	• A khat tawkin tui pek tur.
		tha taka pek tur.	
			4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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







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			ah leih tur.
		Leaf spot and leaf blotch	• Dithane M-45 chu tui litre
			khatah 2.5g emaw Carbendazim
			1g chu tui litre khatah pawlhin
		~ {	karkhat danah vawi 2/3 kah tur.
		KOLASIB	• Leaf spot tan Blitox 3g chu tui
			litre khata pawlhin kah tur.
		Leaf spot leh leaf blotch	• Tui litre khatah Dithane M-45
			chu 2.5g emaw Bavistin chu 1g
	1		a pawlhin karkhat danah vawi
			2/3 kah thin tur.
			• Leaf spot ah chuan tui litre
	A MAMIT		khatah Blitox chu 3g pawlh a
Decest to a	/		kah thin tur.
French bean	A par lai	AIZAWL CHAMP	• Bean hnah, a tang ro leh hnim te
			chu paihfai vek tur.
		5 5	• Lei chu boruak kal that nan
	5		<ul><li>laihphut thin tur.</li><li>A chin atanga ni 20-25 ah bean</li></ul>
	) .		kung chu mau in a zamna siam
	1 3 5		tur.
		Blister beetle ERCHHIP	• Rannung ho chu mankhawmin
	1		thah vek tur.
			• Cypermethrin 2g chu tui litre
			khata pawlhin kah thin tur
Bawkbawn	A chin dan		• Balu leh leitha chu lei nen a
			chawhpawlh hnu in 75-100cm a
		LUNGLEI	zau ah a phunna tur siam tur. A
	1		chinna lai chu Blue copper 100g
	1		tui litre 40 ah emaw
			formaldehyde nen a pawlhin leih
			tur.
			• A chi chu 5cm a inhlat a tuh in
Tomoto	A abin dan		lei pangngai a vur leh tur.
Tomato	A chin dan		• Nursery tur chu lei dip tha darh
			leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).
		SAIHA	• Leitha 10kg leh bawngek leitha
			15:15:15 leh carbofuran 2.5g
			chawhpawlh pek tur.
	1	2015	r r r
		N. N.	<b>6</b>   P a g e



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



<ul> <li>A chin dan</li> <li>A chin dan</li> <li>LUNGLE</li> <li>A chin dan</li> <li>A chin chi dan</li> <li>A chin chi dan</li> <li>A chin chi dan</li> <li>A chin chi chi chi chi chi chi chi chi chi chi</li></ul>				
<ul> <li>200SL hi tui litre khatah 0.25m in emaw Dimethoate 30% EC h tui litre 10 ah 7ml a kah tur.</li> <li>Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in fleat beetle a veng thei</li> <li>A chi ta leh khat tha chauth hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>A chin dan</li> <li>SERCHHIP</li> <li>A chin dan</li> <li>LUNCLE</li> <li>LUNCLE</li> <li>LUNCLE</li> <li>LUNCLE</li> <li>Duncte</li> <li>A chi chu a line indawt a chi tur.</li> <li>Bavngek leitha chu hectard khatah 5-10t chu 80:60:40kg NP 205 leh K20 hman tur.</li> </ul>			Aphids	• Surf tuiin thlai chu kah tur.
<ul> <li>200SL hi tui litre khatah 0.25m in emaw Dimethoate 30% EC h tui litre 10 ah 7ml a kah tur.</li> <li>Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in fleat beetle a veng thei</li> <li>A chi ta leh khat tha chauth hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>A chin dan</li> <li>SERCHHIP</li> <li>A chin dan</li> <li>LUNCLE</li> <li>LUNCLE</li> <li>LUNCLE</li> <li>LUNCLE</li> <li>Duncte</li> <li>A chi chu a line indawt a chi tur.</li> <li>Bavngek leitha chu hectard khatah 5-10t chu 80:60:40kg NP 205 leh K20 hman tur.</li> </ul>				• Heng insecticides Imidacloprid
<ul> <li>in emaw Dimethoate 30% EC h tui litre 10 ah 7ml a kah tur.</li> <li>Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in flee beetle a veng thei</li> <li>A chi tha leh khat tha chauh hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pavlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>A chin na tur chu 10m a sei n 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.</li> <li>Leitha pek hnu ah a chi damdaw a chiah te chu theh tur.</li> <li>A chi chu a line indawt a chin tu</li> <li>A chi chu kg khatah Thiram 4g a chiah ter.</li> <li>Hectare khatah buh chi chu 20 25kg hman tur.</li> <li>Bawngek leitha chu hectara khatah 5-10t chu 80:60:40kg N P205 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur</li> </ul>				
<ul> <li>tui litre 10 ah 7ml a kah tur.</li> <li>tui litre 10 ah 7ml a kah tur.</li> <li>Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in flea beetle a veng thei</li> <li>A chi tha leh khat tha chauf hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a ch chu chiah tur.</li> <li>A chin na tur chu 10m a sei n se, 1.25m a zau leh tui luana tur 20-30cm a zau siam tur. He hian a chi kal ral mai mai tur a veng.</li> <li>Leitha pek hnu ah a chi damdaw a chiah te chu theh tur.</li> <li>Leitha pek hnu ah a chi damdaw a chiah te chu theth tur.</li> <li>Li chu vawi 2/3 laihphut phaw tur.</li> <li>A chi chu a line indawt a chin tur.</li> <li>A chi chu a line indawt a chin tur.</li> <li>Bawngek leitha chu hectarr khatah 5-10t chu 80:60:40kg N P205 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur.</li> </ul>				
<ul> <li>Muthematrix</li> <li>Nursery stage</li> <li>Pre kharif rice</li> <li>A chi tha leh khat tha chauh hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>A chin dan</li> <li>A chin dan</li> <li>A chin dan</li> <li>LUNGLEI</li> <li>A chi chu a line indawt a chi damdaw a chiah tur.</li> <li>A chi chu a line indawt a chin tur 4 chi chu katah Thiram 4g a chiah tur.</li> <li>Hectare khatah buh chi chu 20 25kg hman tur.</li> <li>Bawngek leitha chu hectare khatah buh chi chu 20 25kg hman tur.</li> <li>Bawngek leitha chu hectare khatah buh chi chu 20 25kg hman tur.</li> </ul>			1 5	
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<ul> <li>Inmethodate 0.3% a kan in here beetle a veng thei beetle a veng thei</li> <li>A chi tha leh khat tha chauf hman tur.</li> <li>A chi tha leh khat tha chauf hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a chi chu chiah tur.</li> <li>A chin na tur chu 10m a sei n se, 1.25m a zau leh tui luana tur 20-30cm a zau siam tur. He hian a chi kal ral mai mai tur a veng.</li> <li>Lei chu vawi 2/3 laihphut phaw tur.</li> <li>A chi chu a line indawt a chin tu</li> <li>A chi chu a line indawt a chin tu</li> <li>A chi chu a line indawt a chin tu</li> <li>A chi chu a line indawt a chin tu</li> <li>A chi chu 80:60:40kg N P205 leh K20 hman tur. Vaimin chin hma in lei nen tihpawh tur</li> </ul>			KOLASB	
<ul> <li>Nursery stage</li> <li>Pre kharif rice</li> <li>A chi tha leh khat tha chauh hman tur.</li> <li>Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a ch</li> <li>champadi and tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a ch</li> <li>champadi and tur.</li> <li>A chin na tur chu 10m a sei n 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.</li> <li>Leitha pek hnu ah a chi damdaw a chiah te chu theh tur.</li> <li>Leitha pek hnu ah a chi damdaw a chiah te chu theh tur.</li> <li>A chi chu a line indawt a chin tur</li> <li>A chi chu kg khatah Thiram 4g a chiah tur.</li> <li>Hectare khatah buh chi chu 20 25kg hman tur.</li> <li>Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N P205 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur</li> </ul>		1		
<ul> <li>A chin dan</li> <li>A chin dan</li> <li>A chin dan</li> <li>LUNGLE</li> <li>A chin dan</li> <li>A chin chi dan</li> <li>A chin chi dan</li> <li>A chin chi dan</li> <li>A chi chi chi chi chi chi chi chi chi chi</li></ul>				
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<ul> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a ch chu chiah tur.</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a ch chu chiah tur.</li> <li>A chin na tur chu 10m a sei n se, 1.25m a zau leh tui luanat tur 20-30cm a zau siam tur. He hian a chi kal ral mai mai tur a veig.</li> <li>Leitha pek hnu ah a chi damdaw a chiah te chu theh tur.</li> <li>A chin dan</li> <li>Lei chu vawi 2/3 laihphut phaw tur.</li> <li>A chi chu a line indawt a chin tur</li> <li>A chi chu a line indawt a chin tur</li> <li>A chi chu kg khatah Thiram 4g a chiah tur.</li> <li>Hectare khatah buh chi chu 20 25kg hman tur.</li> <li>Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N P2O5 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur</li> </ul>				
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<ul> <li>A chi chu a line indawt a chin tur.</li> <li>A chi chu kg khatah Thiram 4g a chiah tur.</li> <li>Hectare khatah buh chi chu 20 25kg hman tur.</li> <li>Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N P2O5 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur</li> </ul>	Vaimim	A chin dan		• Lei chu vawi 2/3 laihphut phawt
<ul> <li>A chi chu kg khatah Thiram 4g a chiah tur.</li> <li>Hectare khatah buh chi chu 20 25kg hman tur.</li> <li>Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N P2O5 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur</li> </ul>				
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P2O5 leh K20 hman tur. Vaimin chin hma in lei nen tihpawlh tur		· · · · · · · · · · · · · · · · · · ·		
chin hma in lei nen tihpawlh tur				
Nitrogon chu o dogo channa in a				
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				chin hnu ah pek tur, a bang 25%
chu a hnu thlakhat ah leh a				chu a hnu thlakhat ah leh a
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SAIHA tur.			SAIHA	
awhthing leh Land - • Thlai hnah, a tang ro leh hnim te	Sawhthing leh	Land		• Thlai hnah, a tang ro leh hnim te
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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,



			<ul> <li>Lei chu boruak kal that nan laihphut thin tur.</li> <li>Nitrogen leitha chu an mamawh taw kanga pek tur.</li> </ul>
		KOLASIB	• Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	• 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.	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) HIP	<ul> <li>Black Quarter Vaccine (BQ)</li> <li>Thla ruk an tlin hunah vaccine lak tan tur.</li> <li>Kumkhat hnu ah vaccine pek leh tur.</li> </ul>
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin $F_1$ vaccine pek tur a nia an puitlin hunah $R_2B$ pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.
		LAWINGTLAL	·
		RN J	<b>8</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



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SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



#### **District: Mamit**

Bulletin No: -550/2015/ Bulletin/English

#### Period: 05- 09, September, 2015

#### Date of issue: 04th September, 2015

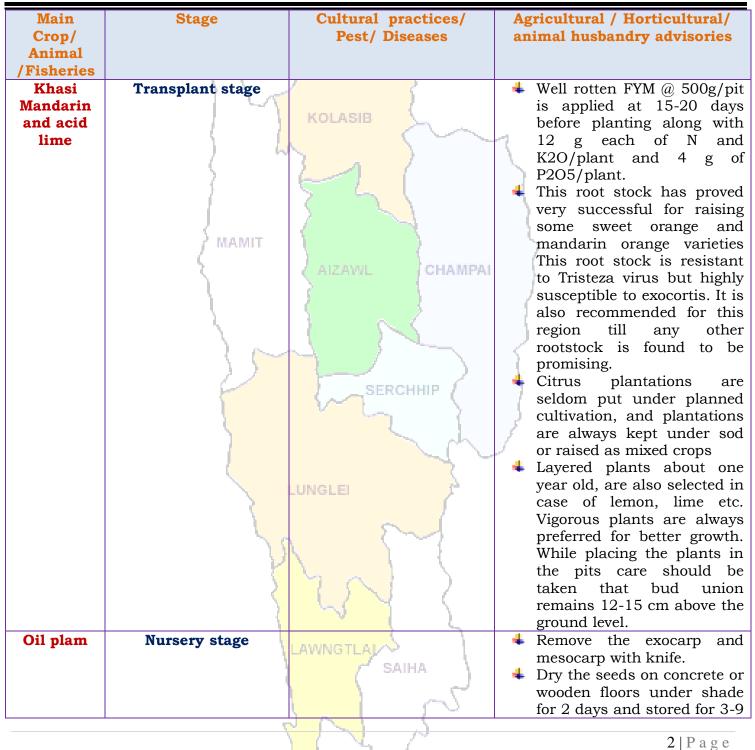
	<u> </u>						
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015		
Rainfall (mm)	6	0	0	3	3		
Max Temp (oC)	29	29	30	30	31		
Min Temp (oC)	22	21	22	22	21		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	98	98	98	99	98		
Min RH (%)	83	85	75	67	62		
Wind Speed (KmpH)	4	2	2	4	4		
*Wind Direction	S	S-E	S-E	S-E	S-E		
			asterly- <mark>E</mark> , South-I				
			/esterly- <mark>W</mark> , North-v				
STATUS OF MONSO							
Aizawl- 313.32m	m Champha	<b>ii-</b> 268.78mm	Saiha- 216.20 r	nm Kolasib-	247.17mm		
(387.0m)		(301.30mm)	(367.71		(372.0mm)		
Lawngtlai-226.10m	m Lunglei	-370.28mm	Mamit-197.57n	n <mark>m Serc</mark> hhip	-247.35mm		
(365.4mr	n)	(371.4mm)	(376.0n	nm)	(301.8mm)		
Weather summa	ry of the past	Weather for	ecast valid from	n 05 <sup>th</sup> Septemb	er, 2015 To		
three o	lays		09 <sup>th</sup> September, 2015.				
	There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 21-22°C. Maximum relative humidity is expected in the range of 98% and minimum may from 62-85%. Wind direction would be southerly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days. <b>Weekly cumulative rainfall: 12.0 mm</b>						
NDVI for Mizoram		North East Region	North-East states which y from 0.4.0.6. Normal	OVI for Mizoram rmal NDVI. V at NDVI is z presents "Bare S	alue shown zero. So, it		
		Y V	1		1   Page		



ICAR RESEARCH COMPLEX FOR NEH REGION

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



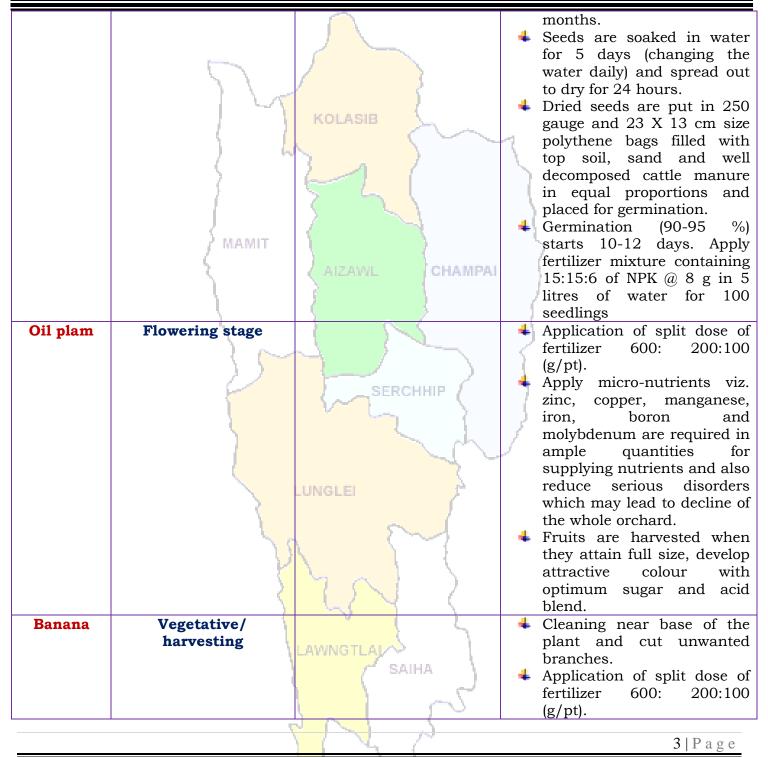




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Mizoram Centre, Kolasib- 796081, MIZORAM



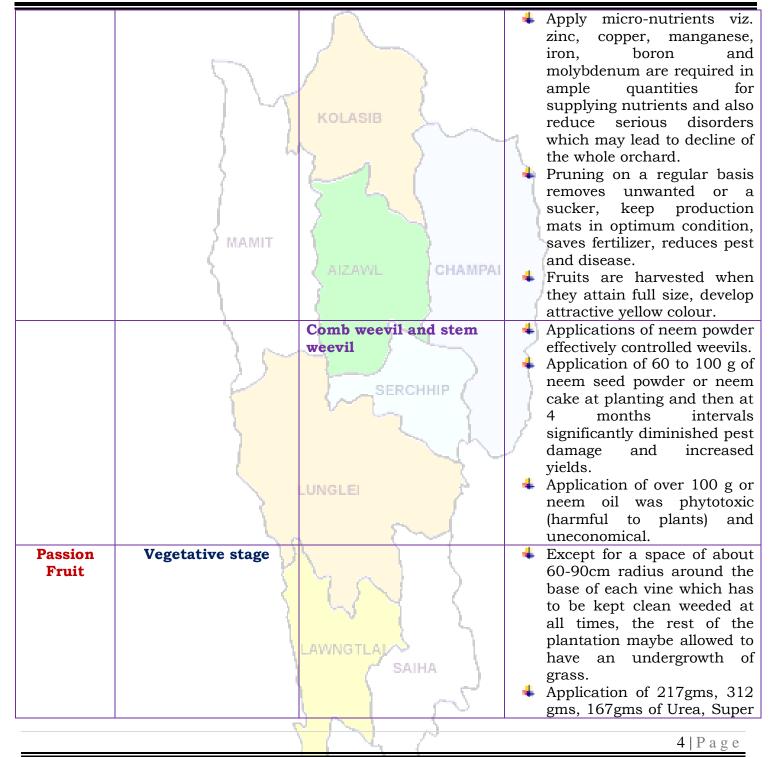




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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



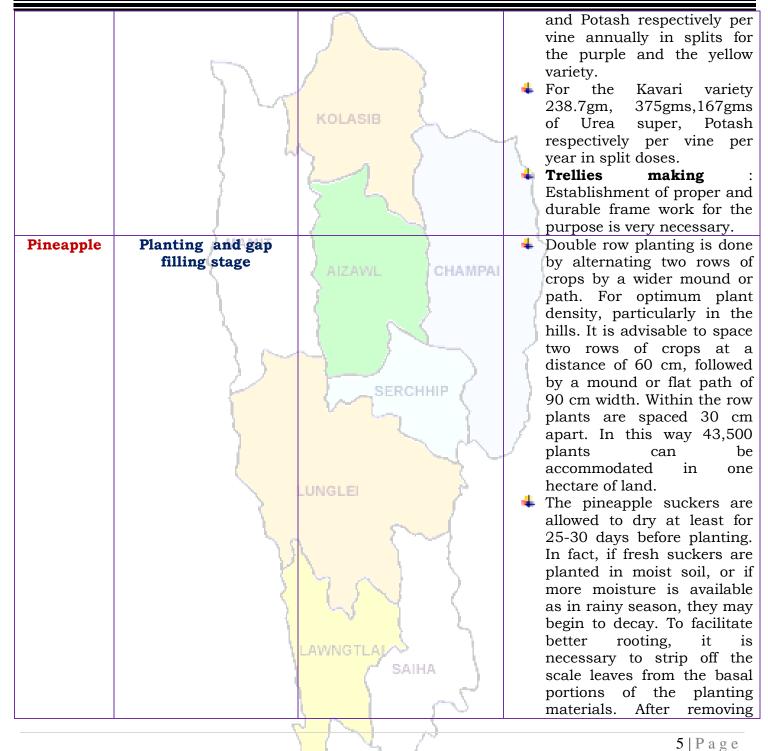




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Mizoram Centre, Kolasib- 796081, MIZORAM



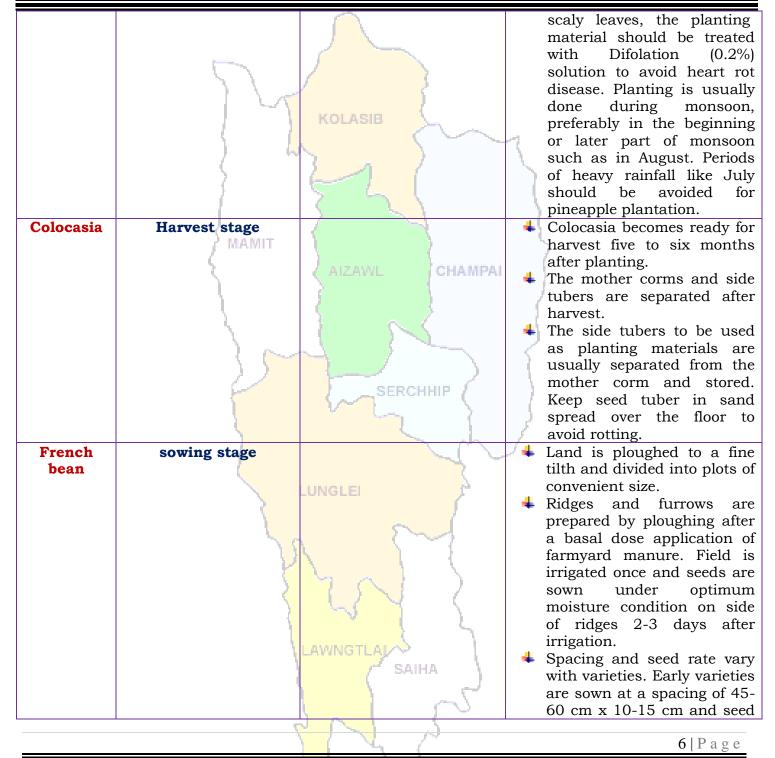




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Mizoram Centre, Kolasib- 796081, MIZORAM





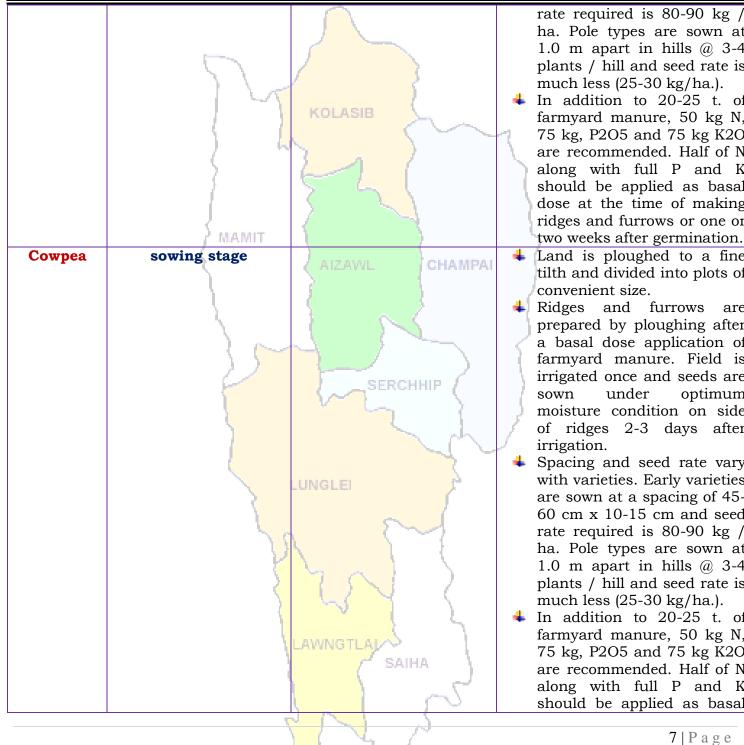


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Mizoram Centre, Kolasib- 796081, MIZORAM

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ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).  $\downarrow$  In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O

- are recommended. Half of N along with full P and K should be applied as basal dose at the time of making ridges and furrows or one or two weeks after germination.
- Land is ploughed to a fine tilth and divided into plots of convenient size.
- Ridges and furrows are prepared by ploughing after a basal dose application of farmyard manure. Field is irrigated once and seeds are sown under optimum moisture condition on side of ridges 2-3 days after irrigation.
- ↓ Spacing and seed rate vary with varieties. Early varieties are sown at a spacing of 45-60 cm x 10-15 cm and seed rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
- ↓ In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal

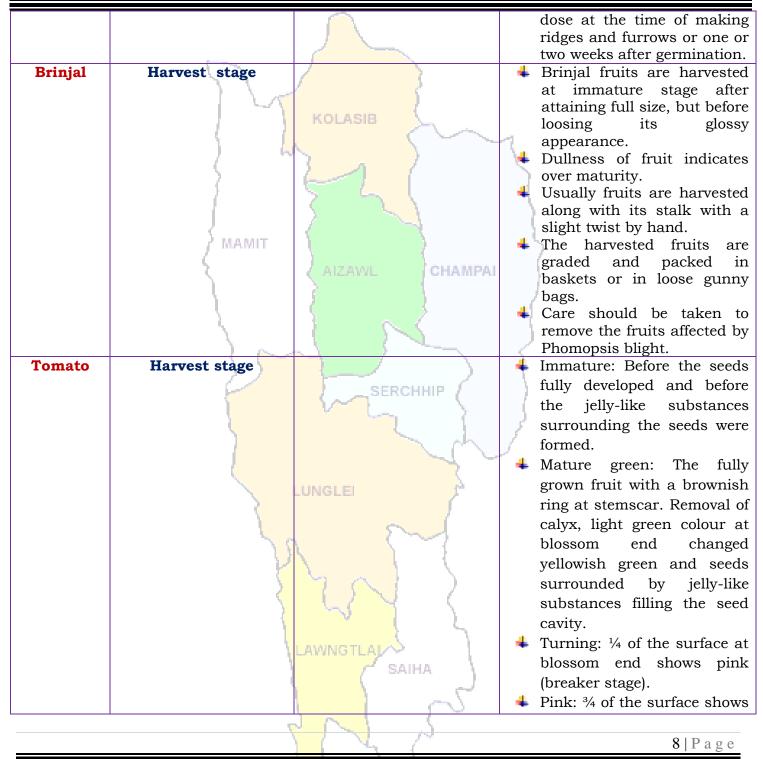
7 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



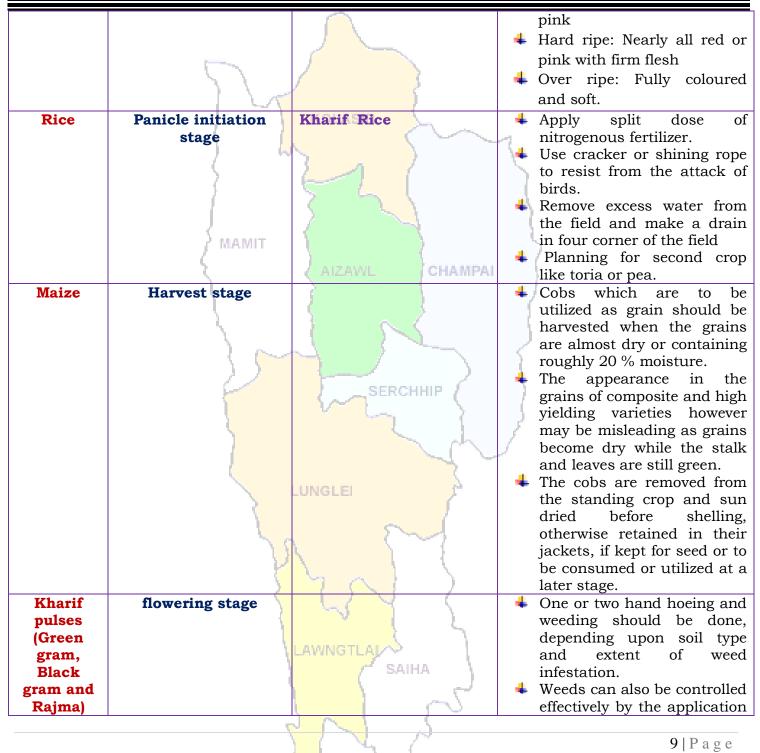




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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Ginger and turmeric	Vegetative stage	KOLASIB AIZAWL CHAMPAI	<ul> <li>of TOK-E-25 at the rate of 10 ml dissolved in 1 liter of water as pre-emergence spray.</li> <li>Provide irrigation in dry condition or dry spell.</li> <li>Provide 2% urea solution for better growth.</li> <li>Remove unwanted plant near base of the plant and cut dead branches.</li> <li>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</li> </ul>
	P P	SERCHHIP	<ul> <li>1.5 kg a.i. ha-large effective way for control of many annual and broad leaved weeds.</li> <li>Earting up of soil along with fertilizer mixture.</li> </ul>
		Thrips	<ul> <li>Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.</li> </ul>
		Scales	<ul> <li>Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.</li> </ul>
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Culling of positive pigs or piglets.</li> </ol>
	Adult stage	Swine fever.	<ol> <li>Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval</li> </ol>
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
			10   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in

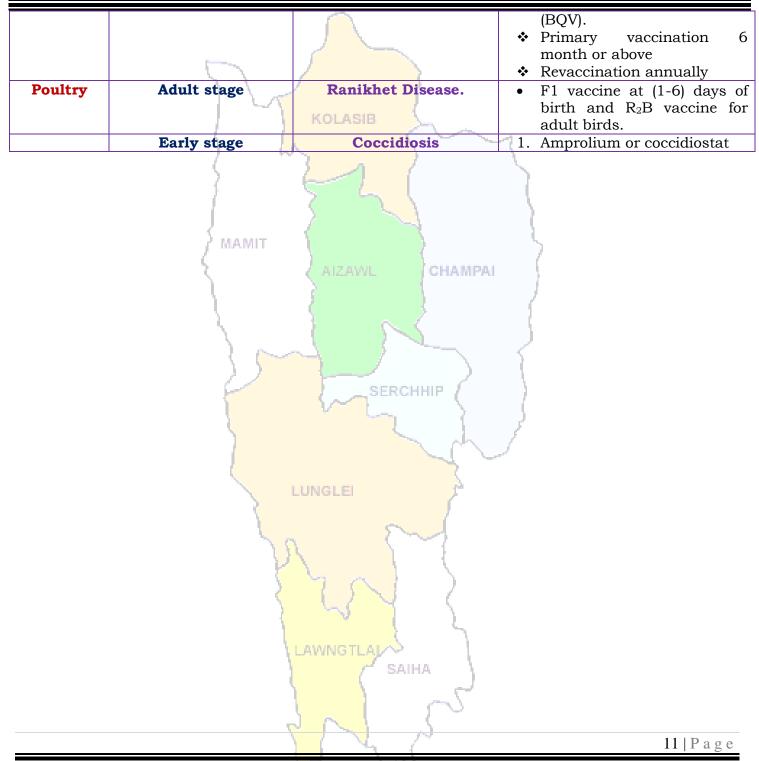


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		2015	0

12 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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#### **District: Mamit**

Bulletin No: -550/2015/ Bulletin/Mizo

Period: 05- 09, September, 2015

#### Date of issue: 04th September, 2015

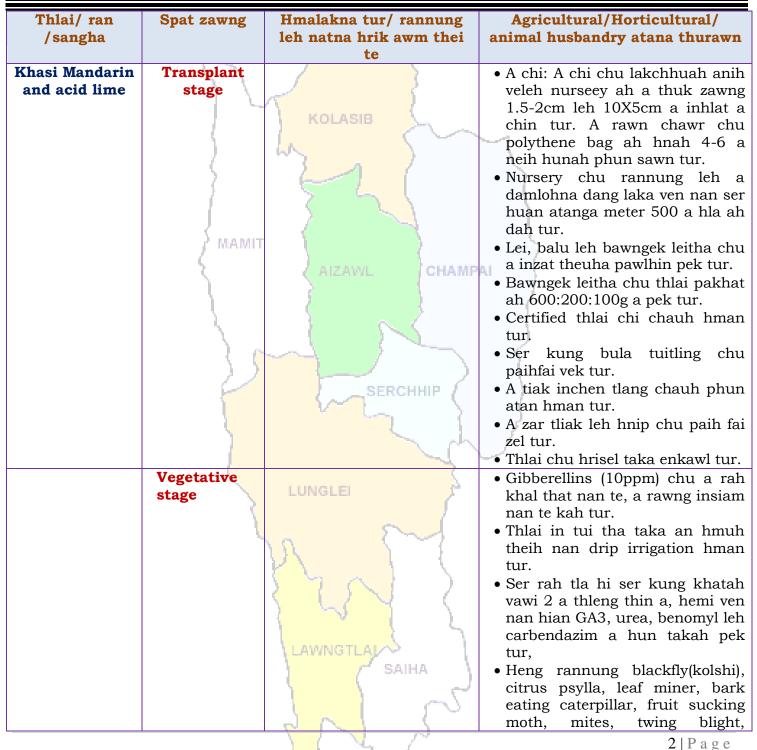
	<u> </u>		1		
Parameters	05.09.2015		07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	6	0	0	3	3
Max Temp (oC)	29	29	30	30	31
Min Temp (oC)	22	21	22	22	21
Cloud Coverage	Mainly cloud		Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	98	98	98	99	98
Min RH (%)	83	85	75	67	62
Wind Speed (KmpH)	4	2	2	4	4
*Wind Direction	S	S-E	S-E	S-E	S-E
		th-Easterly- <mark>N-E</mark> , Eas			
		t <mark>h-Westerly- S-W</mark> , Wes		<b>`</b>	
STATUS OF MONSO					
Aizawl- 313.32mm	· · · · · · · · · · · · · · · · · · ·		Saiha- 216.20 n		- 247.17mm
(387.0mm		(301.30mm)	(367.7n	· · · · · · · · · · · · · · · · · · ·	(372.0mm)
Lawngtlai-226.10mm	· · · · · · · · · · · · · · · · · · ·		Mamit-197.57m		p-247.35mm
(365.4mm)		(371.4mm)	(376.0m	ım)	(301.8mm)
Ni thum kaltha	a sik leh	September 05,	2015 atanga	a Septembe	r 09, 2015
sa dinhmun tl	angpui	sik leh sa dinhmun hmuhlawk dan			
NDVI for Mizoram		North East Region	31°C a ni ang a a ni.RH san lai tur a beisei r mchhak lam a tur a beisei ni n tlem a lan bei cumulative ro 12 August 2015 NDVI norma NDVI	A vawh lai be berin 98%leh niin. Thli tleh tangin a nat in. Ni nga chl sei a ni. tinfall: 12.0m for Mizoram d NDVI. Value is zero. So, s	er in 21-22°C a hniam lai dan kawng zawng chu nung lo awm m is less than e shown that
		Agriculture vigour is good in valleys of North-East state over parts of Assam . NDVI values vary from 0.4-0.6. NDVI conditions are observed all over NE region.	which Normal	5011".	1   P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM



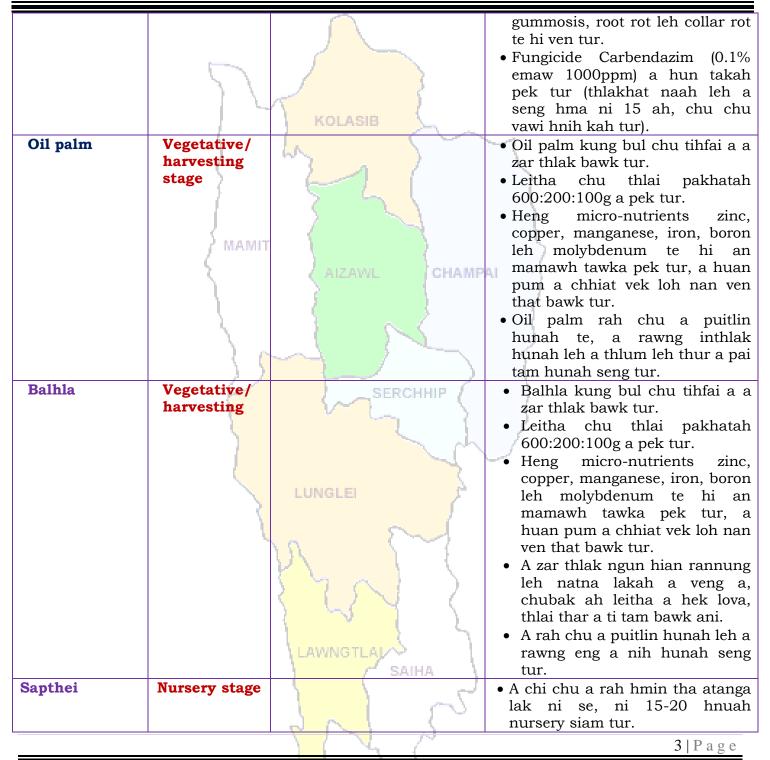




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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



			• A hnah 2/3 a rawn awm tan hnu
			ah polythene bag ah phunsawn
			tur.
	1 /	1	• Polythene bag atangin thla <sup>3</sup> / <sub>4</sub>
		× 5	hnu ah huan ah phun sawn leh
		KOLASIB	tur.
	4		• Bawngek leitha chu khur khat ah 15g leh NPK 100:50:100g in
	)		kumkhat chhungin pek tur.
Lakhuihthei	A par lai		• A par chhuah hma nan chemical
			(Ethrel 10ppm+2% urea+0.04%
			sodium carbonate) chu pek tur.
			Tlai ah emaw thlaiin hnah 32 a
	/ MAMIT		neih hunah pek tur.
	1 E	AIZAWL CHAMP	• Chemical pek atangin ni 55-60
	1		chhungin a par a chhuah thei
	1		ang.
			• Leitha chu thlai pakhat ah
			<ul><li>60:50:60g a pek tur.</li><li>Thlai hnah leh a zar thi te chu</li></ul>
	5 5		paihfai a, hnim te tihfai bawk
		SERCHHIP	tur.
		Corm borer	• Carbofuran 3G chu hectare
			khatah 1.5kga.i a pek tur. Hemi
	)		hi a zung ah a tuina hnuhma a
0.11			awmin pek tur
Cucurbitaceous	A rah lai		• Ni 7 danah tui chu tha taka pek
crops	>	LONGELI	tur.
	1		• Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan
			carbaryl 0.2% leh malathion
			0.15% chu chini tui litre khatah
			10g a pawlhin kar khat danah
			leh a par tan tirhah leh a rah tan
			hunah kah tur.
		LAWNIGTLATIA	• Thlai pakhatah a par nasat lain
Bawrhsaiabe	A albin dan		urea chu 70g a pek tur.
Dawrnsalade	A chin dan	1. Nursery tihfai a tui tlem pek tur.	• A kung bulthut ah hnim chheh darh tur.
		2. Phunsawn hnuah tui	• A khat tawkin tui pek tur.
		tha taka pek tur.	- I mat awant ta per tat.
<u> </u>	•		4   P a g e

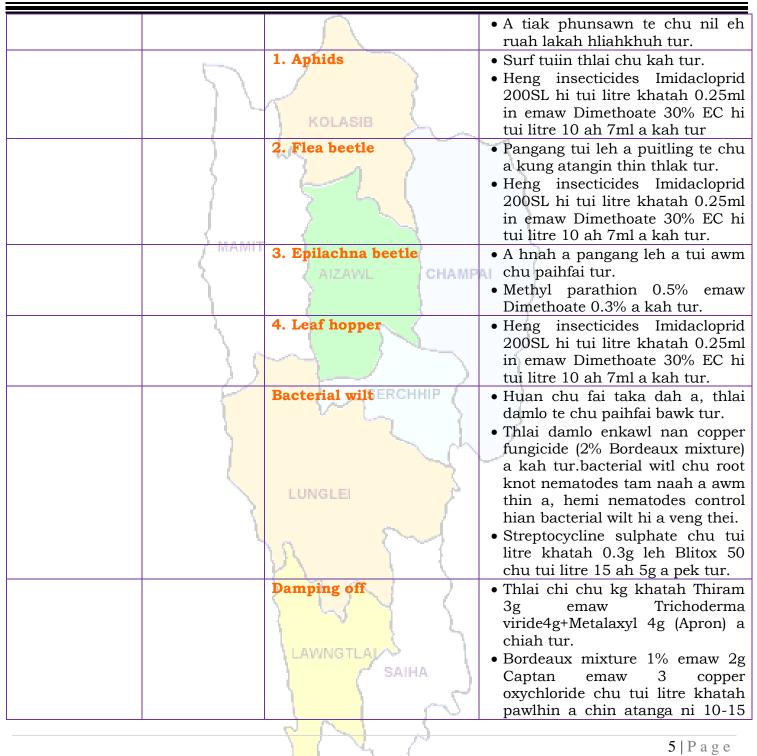


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			ah leih tur.
		Leaf sp <mark>ot and leaf blotch</mark>	• Dithane M-45 chu tui litre
	· · · · · ·		khatah 2.5g emaw Carbendazim
	5		lg chu tui litre khatah pawlhin
		~ {	karkhat danah vawi 2/3 kah tur.
		KOLASIB	• Leaf spot tan Blitox 3g chu tui
			litre khata pawlhin kah tur.
	)	Leaf spot leh leaf blotch	• Tui litre khatah Dithane M-45
	(		chu 2.5g emaw Bavistin chu 1g
	(		a pawlhin karkhat danah vawi
			2/3 kah thin tur.
			• Leaf spot ah chuan tui litre khatah Blitox chu 3g pawlh a
	A MAMIT		kah thin tur.
French bean	A par lai	AIZAWL CHAMP	• Bean hnah, a tang ro leh hnim te
		CALENTE CHAMP	chu paihfai vek tur.
	1	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	• Lei chu boruak kal that nan
	1		laihphut thin tur.
			• A chin atanga ni 20-25 ah bean
			kung chu mau in a zamna siam
			tur.
		Blister beetle ERCHHIP	• Rannung ho chu mankhawmin
			thah vek tur.
			• Cypermethrin 2g chu tui litre
Bawkbawn	A chin dan		khata pawlhin kah thin tur
Dawkdawn	A chin dan	7	• Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a
		LUNGLEI 📌	zau ah a phunna tur siam tur. A
	1	j j	chinna lai chu Blue copper 100g
		2	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.
Tomato	A chin dan		• Nursery tur chu lei dip tha darh
			leh tlema pawng tur (0.8m a zau
		/ SAIHA	<ul><li>leh 15cm a sei ni se).</li><li>Leitha 10kg leh bawngek leitha</li></ul>
			15:15:15 leh carbofuran 2.5g
			chawhpawlh pek tur.
L	I	2 1 7 5	
			<b>6</b>   P a g e



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<ul> <li>MAMIT</li> <li>Tui litre 10 ah chi (salt) 250 pawlhin chutah chuan chiah tu</li> <li>Bavistin 50WP @0.1% chu t litre khatah 2g a pawlhin a c chu chiah tur.</li> <li>A chin na tur chu 10m a sei se, 1.25m a zau leh tui luant tur 20-30cm a zau siam tur. H hian a chi kal ral mai mai tur veng.</li> <li>Leitha pek hnu ah a chi damdar a chiah te chu theh tur.</li> <li>A chin dan</li> <li>Lei chu vawi 2/3 laihphut phattur.</li> <li>A chi chu a line indawt a chin tu</li> <li>A chi chu kg khatah Thiram 4g</li> </ul>	5
SuchEpilachna beetle200SL hi tui litre khatah 0.25r in emaw Dimethoate 30% EC tui litre 10 ah 7ml a kah tur.SuhEpilachna beetle• Methyl parathion 0.5% ema Dimethoate 0.3% a kah in fle beetle a veng theiNursery stagePre kharif rice• A chi tha leh khat tha chau hman tur.MAMITRaised bed method• A chi na tur chu 10m a sei se, 1.25m a zau leh tui luan tur 20-30cm a zau siam tur. H hian a chi kal ral mai mai tur veng.RaimimA chin danSERCHHIPA chi chu a line indawt a chin tu · A chi chu a line indawt a chin tu · A chi chu a line indawt a chin tu	5
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<ul> <li>in emaw Dimethoate 30% EC tui litre 10 ah 7ml a kah tur.</li> <li>Methyl parathion 0.5% ema Dimethoate 0.3% a kah in flebeetle a veng thei</li> <li>A chi tha leh khat tha chau hman tur.</li> <li>Tui litre 10 ah chi (salt) 250 pawlhin chutah chuan chiah tu</li> <li>Bavistin 50WP @0.1% chu t litre khatah 2g a pawlhin a chu chu chiah tur.</li> <li>A chin na tur chu 10m a sei se, 1.25m a zau leh tui luam tur 20-30cm a zau siam tur. Hhian a chi kal ral mai mai tur veng.</li> <li>Leitha pek hnu ah a chi damdar a chiah te chu theh tur.</li> <li>A chi chu a line indawt a chin tu</li> </ul>	5
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<ul> <li>Nursery stage</li> <li>Pre kharif rice</li> <li>A chi tha leh khat tha chau hman tur.</li> <li>Tui litre 10 ah chi (salt) 250 pawlhin chutah chuan chiah tu</li> <li>Bavistin 50WP @0.1% chu t ti litre khatah 2g a pawlhin a chu chu chuah tur.</li> <li>A chin na tur chu 10m a sei se, 1.25m a zau leh tui luam tur 20-30cm a zau siam tur. Hhian a chi kal ral mai mai tur veng.</li> <li>Leitha pek hnu ah a chi damdar a chiah te chu theh tur.</li> <li>A chin dan</li> <li>Leitha pek hnu ah a chi damdar a chiah te chu theh tur.</li> <li>A chi chu a line indawt a chin tur.</li> </ul>	
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Nursery stagePre kharif rice• A chi tha leh khat tha chau hman tur.MAMITMAMIT• A chi tha leh khat tha chau hman tur.• Tui litre 10 ah chi (salt) 250 pawlhin chutah chuan chiah tu • Bavistin 50WP @0.1% chu t litre khatah 2g a pawlhin a c chu chiah tur.Raised bed method• A chin na tur chu 10m a sei se, 1.25m a zau leh tui luan tur 20-30cm a zau siam tur. H hian a chi kal ral mai mai tur veng.aimimA chin dan• SERCHHIP• A chi chu zawi 2/3 laihphut phay tur.• A chi chu a line indawt a chi tu A chi chu kg khatah Thiram 4g	
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<ul> <li>MAMIT</li> <li>MAMIT</li> <li>MAMIT</li> <li>MAMIT</li> <li>MAMIT</li> <li>MAMIT</li> <li>Bavistin 50WP @0.1% chu tu litre khatah 2g a pawlhin a cu chu chiah tur.</li> <li>A chin na tur chu 10m a sei se, 1.25m a zau leh tui luant tur 20-30cm a zau siam tur. Hu hian a chi kal ral mai mai tur veng.</li> <li>Leitha pek hnu ah a chi damdar a chiah te chu theh tur.</li> <li>A chin dan</li> <li>Lei chu vawi 2/3 laihphut phav tur.</li> <li>A chi chu a line indawt a chin tu A chi chu kg khatah Thiram 4g</li> </ul>	7
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A chin dan       Iitre khatah 2g a pawlhin a chi chu chiah tur.         Iitre khatah 2g a pawlhin a chi chu chiah tur.         A chin na tur chu 10m a sei se, 1.25m a zau leh tui luant tur 20-30cm a zau siam tur. H hian a chi kal ral mai mai tur veng.         Iitre khatah 2g a pawlhin a chi chu chiah tur.         A chin dan         Iitre khatah 2g a pawlhin a chi chu chiah tur.         Iitre khatah 2g a pawlhin a chi chu chiah tur.         Iitre khatah 2g a pawlhin a chi chu chiah tur.         Iitre khatah 2g a pawlhin a chi chu chiah tur.         Iitre khatah 2g a pawlhin a chi chu chiah tur.         Iitre khatah 2g a pawlhin a chi chu chi chu a line indawt a chin tur.         Iitre khatah 2g a pawlhin a chi chu kg khatah Thiram 4g	
AIZAWL CHAMPAT chu chiah tur.         Raised bed method         A chin na tur chu 10m a sei se, 1.25m a zau leh tui luant tur 20-30cm a zau siam tur. H hian a chi kal ral mai mai tur veng.         Leitha pek hnu ah a chi damdar a chiah te chu theh tur.         Yaimim       A chin dan	/ MAMIT
<ul> <li>A chin na tur chu 10m a sei se, 1.25m a zau leh tui luant tur 20-30cm a zau siam tur. H hian a chi kal ral mai mai tur veng.</li> <li>Leitha pek hnu ah a chi damdar a chiah te chu theh tur.</li> <li>Lei chu vawi 2/3 laihphut phat tur.</li> <li>A chi chu a line indawt a chin tur.</li> </ul>	
<ul> <li>se, 1.25m a zau leh tui luant tur 20-30cm a zau siam tur. H hian a chi kal ral mai mai tur veng.</li> <li>Leitha pek hnu ah a chi damdar a chiah te chu theh tur.</li> <li>Lei chu vawi 2/3 laihphut phartur.</li> <li>A chi chu a line indawt a chin tur.</li> </ul>	
aimim       A chin dan         Yaimim       A chin dan    Faimin A chin dan Fai	
<ul> <li>A chin dan</li> <li>A chin chi dan</li> <li>A chin dan</li> </ul>	
<ul> <li>A chin dan</li> <li>A chin chin dan</li> <li>A chin dan</li> <li>A chin dan</li> <li>A chin chin dan</li> </ul>	
A chin dan       • Leitha pek hnu ah a chi damday a chiah te chu theh tur.         • Leitha pek hnu ah a chi damday a chiah te chu theh tur.         • Lei chu vawi 2/3 laihphut phay tur.         • A chi chu a line indawt a chin tu         • A chi chu kg khatah Thiram 4g	
A chin dan       SERCHHIP       a chiah te chu theh tur.         A chin dan       • Lei chu vawi 2/3 laihphut phay tur.         • A chi chu a line indawt a chin tu         • A chi chu kg khatah Thiram 4g	
A chin dan• Lei chu vawi 2/3 laihphut phay tur. • A chi chu a line indawt a chin tu • A chi chu kg khatah Thiram 4g	
• A chi chu a line indawt a chin tu • A chi chu kg khatah Thiram 4g	5
tur. • A chi chu a line indawt a chin tu • A chi chu kg khatah Thiram 4g	Vaimim A chin dan
• A chi chu kg khatah Thiram 4g	
• A chi chu kg khatah Thiram 4g	)
chiah tur.	
LUNGLEI / Hectare khatah buh chi chu 2	
	5
25kg hman tur.	1
• Bawngek leitha chu hecta	
khatah 5-10t chu 80:60:40kg	
P2O5 leh K20 hman tur. Vaimi	
chin hma in lei nen tihpawlh tu	
Nitrogen chu a dose chanve in	
chin hnu ah pek tur, a bang 25	
chu a hnu thlakhat ah leh	
LAWNGTLAL	
SAIHA   tur.	
awhthing leh Land - Thlai hnah, a tang ro leh hnim	
	Sawhthing leh Land
	<b>u</b>
7 Page	<b>u</b>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



	5	Thrips	<ul> <li>Lei chu boruak kal that nan laihphut thin tur.</li> <li>Nitrogen leitha chu an mamawh taw kanga pek tur.</li> <li>Roger emaw Monocrophos chu</li> </ul>
			tui litre khatah 2.5ml a pawlhin kah tur.
** 4		Scales	• Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	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) HIP	<ul> <li>Black Quarter Vaccine (BQ)</li> <li>Thla ruk an tlin hunah vaccine lak tan tur.</li> <li>Kumkhat hnu ah vaccine pek leh tur.</li> </ul>
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin $F_1$ vaccine pek tur a nia an puitlin hunah $R_2B$ pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.
		LAWINGTLAI	·
			<b>8</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



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SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



#### **District: Saiha**

Bulletin No: -550/2015/ Bulletin/English

### Period: 05- 09, September, 2015

#### Date of issue: 04th September, 2015

	<u> </u>					
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015	
Rainfall (mm)	0	0	0	0	0	
Max Temp (oC)	28	27	27	29	28	
Min Temp (oC)	19	19	20	20	19	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy	
Max RH (%)	99	99	99	99	99	
Min RH (%)	67	82	88	84	77	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	E	S-E	E	E	E	
			asterly- E, South-I			
			esterly-W, North-			
STATUS OF MONSO						
Aizawl- 313.32m	m Champha	ui- 268.78mm	Saiha- 216.20 r	nm Kolasib-	247.17mm	
(387.0m)		(301.30mm)	(367.71		(372.0mm)	
Lawngtlai-226.10m	m Lunglei	-370.28mm	Mamit-197.57n	n <mark>m Serchh</mark> ip	-247.35mm	
(365.4m)	n)	(371.4mm)	(376.0n	nm)	(301.8mm)	
Weather summa	ry of the past	Weather for	ecast valid from	n 05 <sup>th</sup> Septemb	er, 2015 To	
three o	lays		09 <sup>th</sup> September, 2015.			
		the next 5 temperatures and 19-20°C the range of direction wor speed of 2 k during the ne	5	maximum and days may range tive humidity is um may from 6 southeasterly w ainly cloudy sk	d minimum e for 27-28°C s expected in 7-88%. Wind vith the wind y will prevail	
			kly cumulative			
NDVI for Mizoram		North East Region	North-East states which v from 0.4.06. Normal	OVI for Mizoram rmal NDVI. V at NDVI is z presents "Bare S	alue shown zero. So, it	
		N N	17		1   Page	

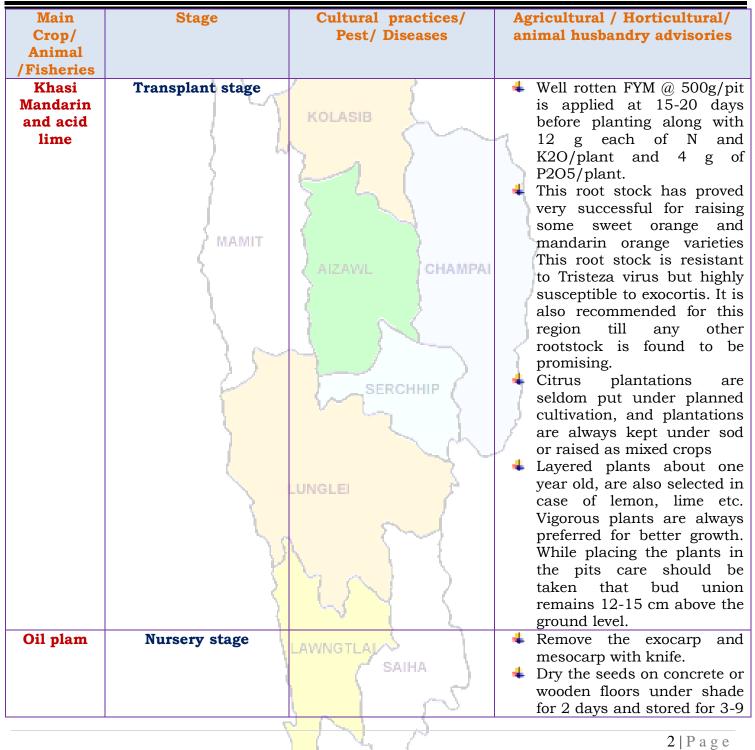


ICAR RESEARCH COMPLEX FOR NEH REGION

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

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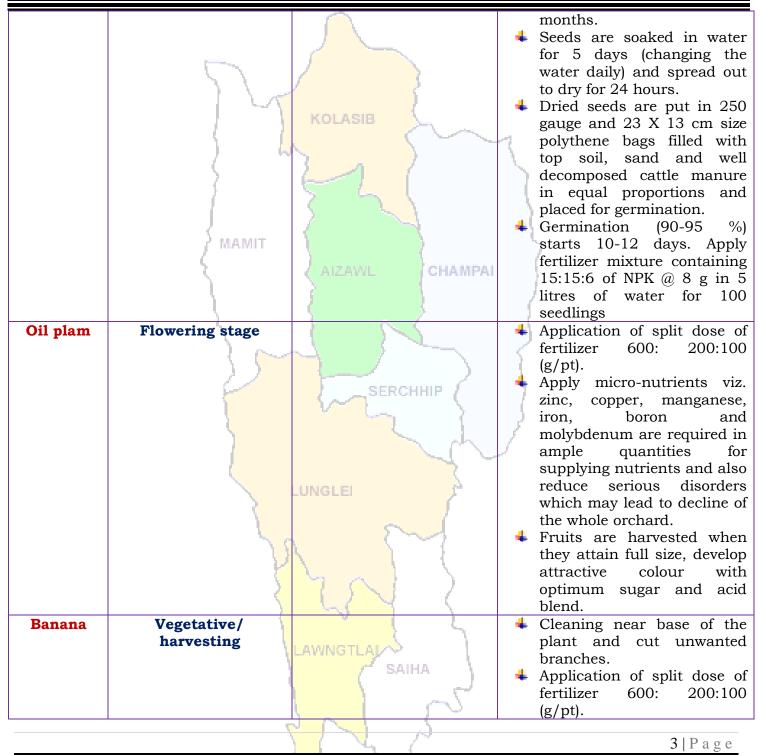




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Mizoram Centre, Kolasib- 796081, MIZORAM



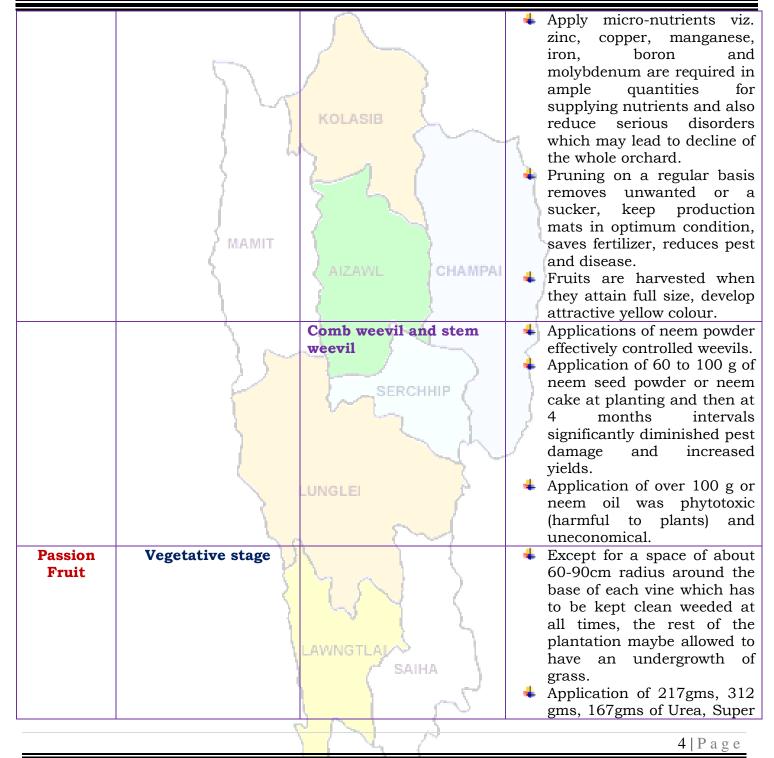




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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



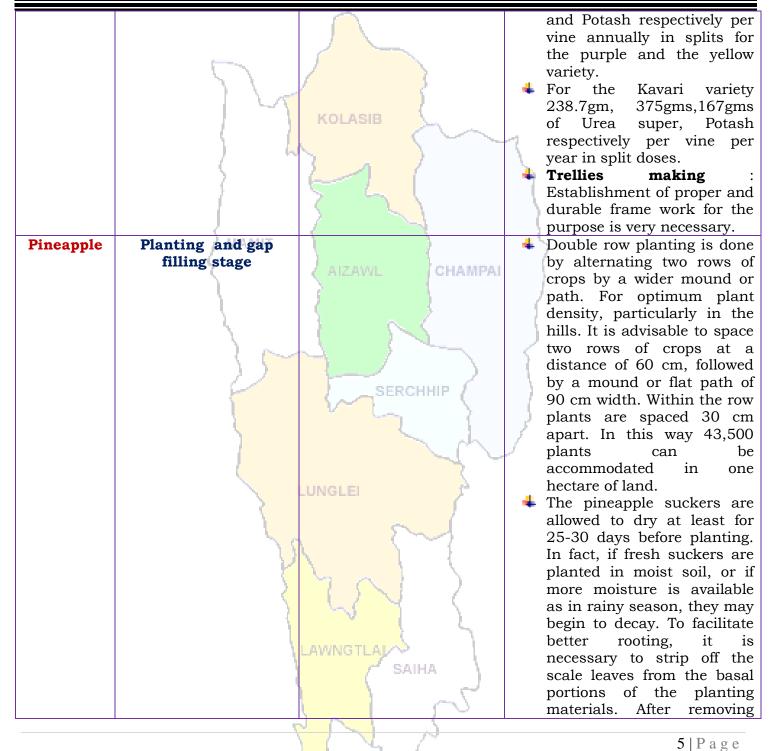




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Mizoram Centre, Kolasib- 796081, MIZORAM



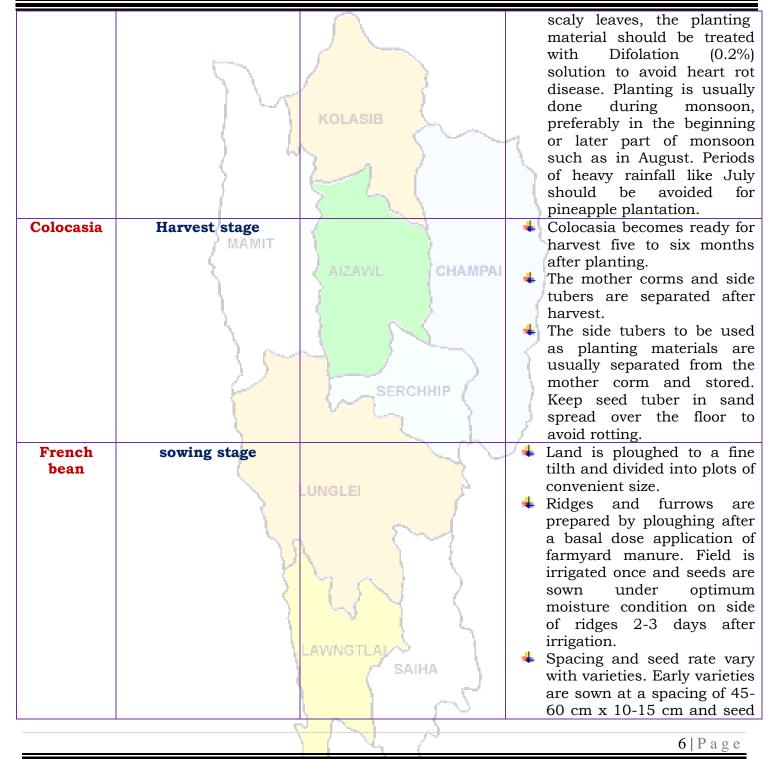




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Mizoram Centre, Kolasib- 796081, MIZORAM





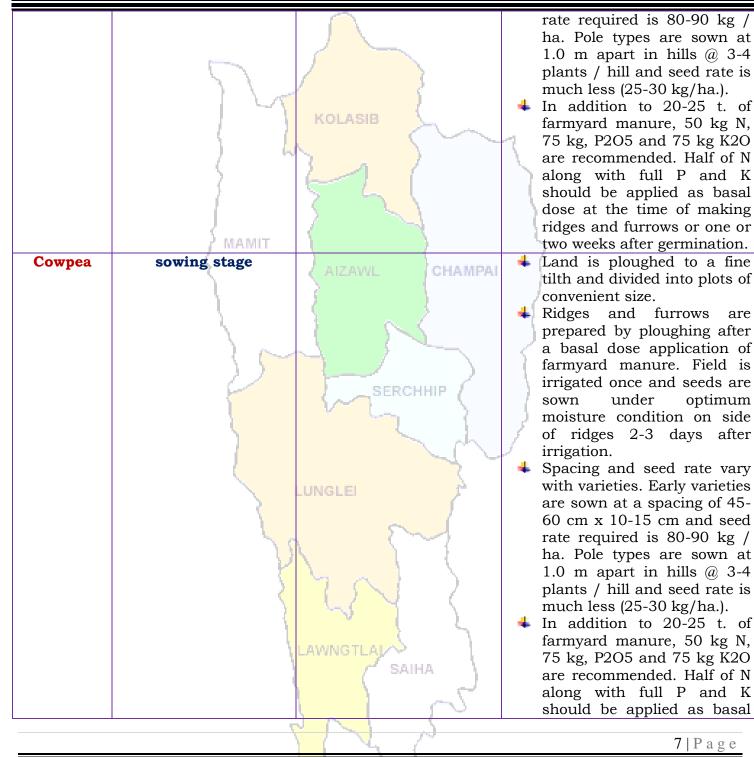


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Mizoram Centre, Kolasib- 796081, MIZORAM

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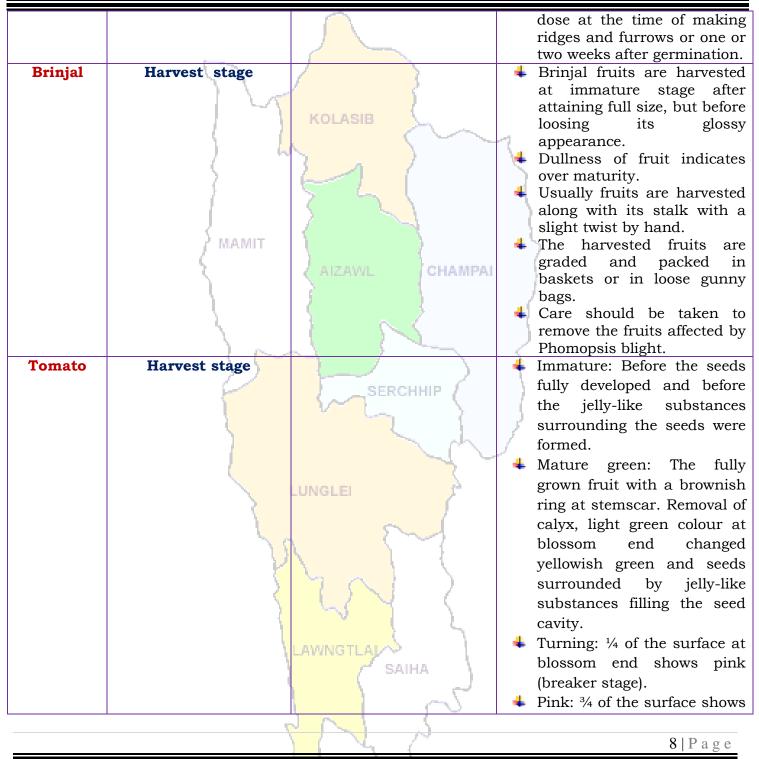
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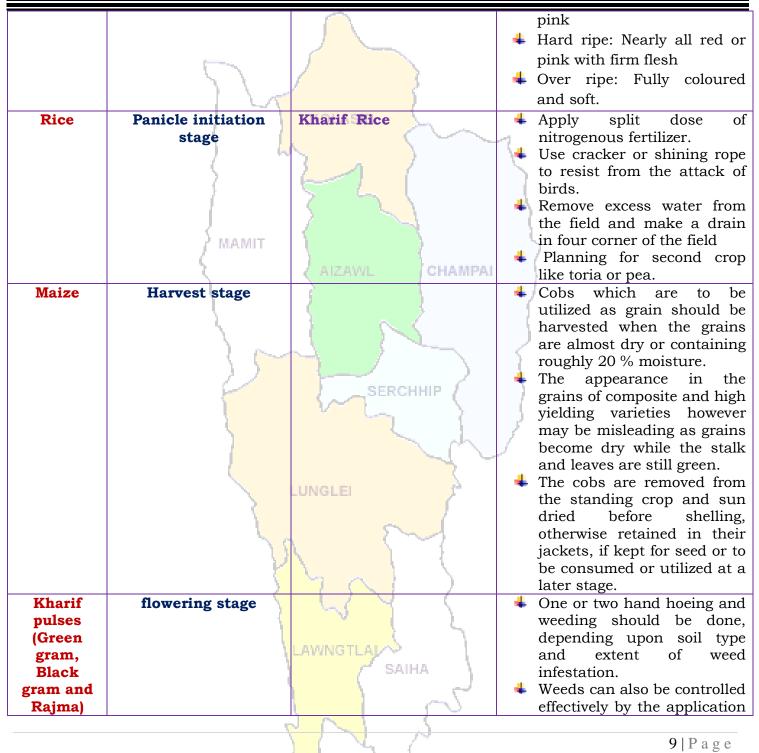




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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Ginger and Vegetative stage	KOLASIB	<ul> <li>of TOK-E-25 at the rate of 10 ml dissolved in 1 liter of water as pre-emergence spray.</li> <li>Provide irrigation in dry condition or dry spell.</li> <li>Provide 2% urea solution for better growth.</li> </ul>
turmeric MAMIT	AIZAWL CHAMPAI	<ul> <li>Remove unwanted plant near base of the plant and cut dead branches.</li> <li>Pre-emergence application of Atrazine (Atratraf 50 wp Gesaprim 500 fw) @ of 1.0</li> <li>1.5 kg a.i ha-1in 600 litr water, Alachlor (Lasso) @ 2</li> <li>2.5 kg a.i ha-1, Metolachlo</li> </ul>
	SERCHHIP	<ul> <li>2.5 kg a.1 ha-1, Metolachio (Dual) @ 1.5-2.0 kg a.i ha-1 Pendamethalin (Stomp) @ 1 1.5 kg a.i. ha-1arge effectiv way for control of many annual and broad leaved weeds.</li> <li>Earting up of soil along with fertilizer mixture.</li> </ul>
	Thrips	<ul> <li>Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.</li> </ul>
	Scales	<ul> <li>Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.</li> </ul>
	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs o piglets.
	Swine fever.	2. Vaccination of pigs with Si vaccines at 2 months and yearly interval/6 month interval
	oot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
Young stage	Black Quarter (BQ)	Black Quarter Vaccin
		10   P a g e

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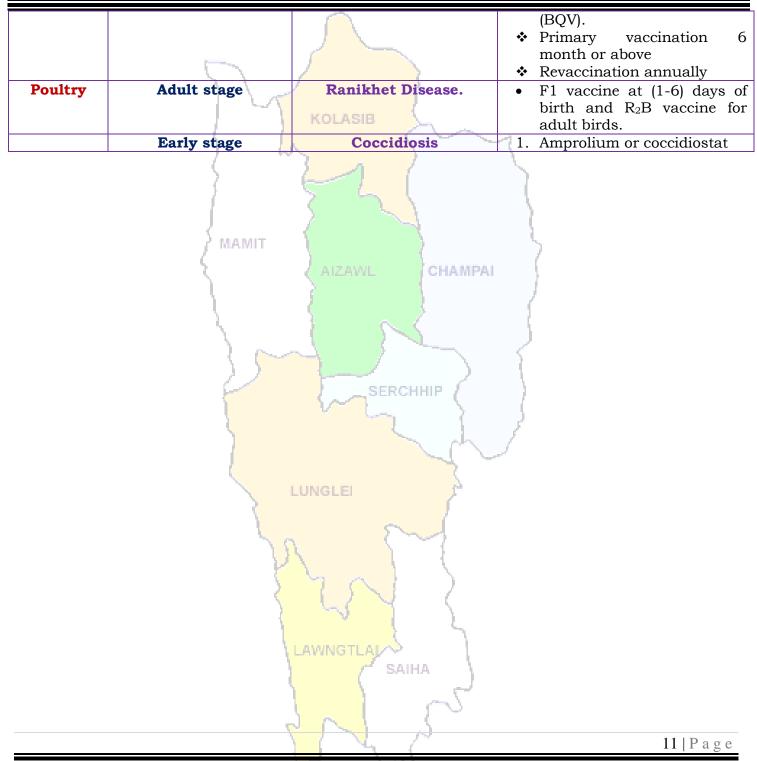


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

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12 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



#### **District: Saiha**

Bulletin No: -550/2015/ Bulletin/Mizo

Period: 05- 09, September, 2015

### Date of issue: 04th September, 2015

Rainfall (mm)000000Max Temp (cC)2827272928Min Temp (cC)1919202019Cloud CoverageMainly cloudyMainly cloudyMainly cloudyPartially clearMainly cloudyMar RH (%)999999999999Min RH (%)6782888477Wind Speed (KmpH)222222*Wind DirectionES-EEEENortheiry- N, North-Easterly- N.E, Easterly- B, South-Easterly- S. Southerly- S, South-Westerly- NW.STATUS OF MONSOON- August 1-31, 2015 (Percent of deviation from normal in parenthesis)Aizawl- 313.32mmChamphai- 268.78mmSaiha-216.20 mmKolasib-247.17mm(387.0mm)(301.30mm)(367.7mm)(372.0mm)(365.4mm)(371.4mm)(376.0mm)(301.8mm)(365.4mm)September 05, 2015 atanga September 09, 2015 sik leh sa dinhmun hmuhlawk danNi thum kaltha sik leh sa dinhmun tlangpuiSeptember 05, 2015 atanga September 09, 2015 sik leh sa dinhmun hmuhlawk danNi 0 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum la berin 67-88% ni tur a beisei niin. Thi iteh 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.NDVI for MizoramSpat zawngMawitar dawn tur dawn tur abeisei a ni.MOVI for Mizoram is less than normal NDVI. Value shown that NDVI is zero. So, it represents "Bare Soi	Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015	
Max Temp (oC)2827272928Min Temp (oC)191920202019Cloud CoverageMainly cloudyMainly cloudyMainly cloudyMainly cloudyMainly cloudyMax RH (%)99999999999999Min RH (%)6782888477Wind Speed (KmpH)222222Wind DirectionESetEENortherly- N, North-Easterly- NE, Easterly- E, South-Easterly- SW, South-Westerly- W, North-westerly- NW.Status of the set of deviation from normal in parenthesis)Aizawl- 313.32mm (387.0mm)Champhai- 268.78mm (301.30mm)Saiha- 216.20 mm (367.7mm)Kolasib- 247.17mm (372.0mm)Lawngtlai-226.10mm (365.4mm)Lunglei-370.28mm (371.4mm)Mamit-197.57mm (367.7mm)Serchhip-247.35mm (371.4mm)Ni thum kaltha sik leh sa dinhmun tlangpuiSeptember 05, 2015 atanga September 09, 2015 sik leh sa dinhmun hmuhlawk danNi 0 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 27-28°C a ni ang a.A vawh lai ber in 19-20°C ni tur ah beisei a ni. RH san lai berin 9% leh a hniam lai berin 67-88% ni tur a beisei niin. Thil teh 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.NDVI for MizoramWert tar tere of the set of the set o							
Min Temp [oC]1919202019Cloud CoverageMainly cloudyMainly							
Cloud Coverage Max RH (%)Mainly cloudy 99Mainly cloudy Mainly cloudyPartially clear Mainly cloudy Partially clear Mainly cloudy Max RH (%)Mainly cloudy 99Partially clear Mainly cloudy Partially clear Mainly cloudy Mainly cloudy <b< th=""><th></th><th></th><th></th><th></th><th></th><th></th></b<>							
Max RH (%)999999999999Min RH (%)6782888477Wind Speed (KmpH)22222*Wind DirectionES-EEEENortherly- N, North-Easterly- N.E, Easterly- N.E, Easterly- S, South-Resterly- S.S. Southerly- S, South-Westerly- S.W, Westerly- SW, North-Easterly- N.W.STATUS OF MONSOON- August 1-31, 2015 (Percent of deviation from normal in parenthesis)Aizawl- 313.32mm (387.0mm)Champhai- 268.78mm (301.30mm)Saiha- 216.20 mm (372.0mm)Kolasib- 247.17mm (372.0mm)Lawngtlai-226.10mm (365.4mm)Lunglei-370.28mm (371.4mm)Mmit- 197.57mm (376.0mm)Serchhip-247.35mm (301.8mm)Ni thum kaltha sik leh sa dinhmun tlangpuiSeptember 05, 2015 atanga September 09, 2015 sik leh sa dinhmun hmuhlawk danNi 0 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 27-28°C a ni ang a.A vawh lai ber in 19-20°C ni tur ah beisei a ni.RH san lai berin 99% leh a hniam lai berin 67-88% 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.NDVI for MizoramWeekly cumulative rainfall: 00.0mm NDVI for Mizoram is less than normal NDVI. Value shown that NDVI is zero. So, it represents "Bare Soil".Thlai/ ranSpat zawgHmalakna tur/ ranungAgricultural/Horticultural/		-					
Min RH (%)       67       82       88       84       77         Wind Speed (KmpH)       2       2       2       2       2         *Wind Direction       E       S-E       E       E       E       E         Northerly- N, North-Easterly- N-E, South-Basterly- S, South-Westerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.       STATUS OF MONSOON- August 1-31, 2015 (Percent of deviation from normal in parenthesis)         Aizawl- 313.32mm       Champhai- 268.78mm       Saiha- 216.20 mm       Kolasib- 247.17mm         (387.0mm)       (301.30mm)       (367.7mm)       (372.0mm)         Lawngtlai-226.10mm       Lunglei-370.28mm       Mamit-197.57mm       Serchhip-247.35mm         (365.4mm)       (371.4mm)       (376.0mm)       (301.8mm)         Ni thum kaltha sik leh sa dinhmun tlangpui       September 05, 2015 atanga September 09, 2015       sik leh sa dinhmun hmuhlawk dan         Ni 0 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 27-28°C a ni ang a.A vawh lai ber in 19-20°C ni tur ah beisei a ni.RH san lai berin 99% leh a hniam lai berin 67-88% ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.       MOVI for Mizoram         NDVI for Mizoram       Image Alume		<u> </u>		0 0	~		
Wind Speed (KmpH)       2       2       2       2       2       2         *Wind Direction       E       S-E       E       E       E       E       E         Northerly- N, North-Easterly- N-E, Easterly- S. South-Ty- S. Southerly- S. South-Westerly- S-W, Westerly- W, North-westerly- N-W.       STATUS OF MONSOON- August 1-31, 2015 (Percent of deviation from normal in parenthesis)         Aizawl- 313.32mm       Champhai- 268.78mm       Saiha- 216.20 mm       Kolasib- 247.17mm         (387.0mm)       (301.30mm)       (367.7mm)       (372.0mm)         Lawngtlai-226.10mm       Lunglei-370.28mm       Mamit-197.57mm       Serchhip-247.35mm         (355.4mm)       (371.4mm)       (376.0mm)       (301.8mm)         Ni thum kaltha sik leh sa dinhmun tlangpui       September 05, 2015 atanga September 09, 2015 sik leh sa dinhmun hmuhlawk dan         Ni 0 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 27-28°C a ni ang a.A vawh lai ber in 19-20°C ni tur ah beisei a ni.RH san lai berin 99% leh a hniam lai berin 67-88% ni tur a beisei niin. Ni nga chhung lo awm tura ah hian chhum tlem a lan beisei a ni.         NDVI for Mizoram       Weekly cumulative rainfall: 00.0mm         MDVI for Mizoram       North are solid       NDVI for Mizoram is less than normal NDVI. Value shown that NDVI is zero. So, it represents "Bare Soil".         "Bata/ ran							
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ah hian chhum tlem a lan beisei a ni.         Weekly cumulative rainfall: 00.0mm         NDVI for Mizoram         North East Region         Image: 2015         Image: 2015 </th <th></th> <th></th> <th colspan="5"></th>							
Weekly cumulative rainfall: 00.0mm         NDVI for Mizoram       North East Region       I Jagest 2016       NDVI for Mizoram is less than normal NDVI. Value shown that NDVI is zero. So, it represents "Bare Soil".         Main Internet Inte							
NDVI for Mizoram       North East Region       12 August 2015         Pristent dout       Pristent dout       NDVI for Mizoram is less than normal NDVI. Value shown that NDVI is zero. So, it represents         0.2-0.3       0.3-0.4       0.4-0.5       0.3-0.6         0.3-0.6       0.3-0.6       0.3-0.6       0.3-0.6         Morth East Region       0.4-0.5       0.3-0.6       0.4-0.5         0.3-0.6       0.3-0.6       0.4-0.5       0.4-0.5         0.3-0.6       0.4-0.5       0.4-0.5       0.4-0.5         0.3-0.6       0.4-0.5       0.4-0.5       0.4-0.5         0.3-0.6       0.4-0.5       0.4-0.5       0.4-0.5         Morth East Region       NDVI values of North-East states Which NDVI is zero. So, it represents       "Bare Soil".         Thlai/ ran       Spat zawng       Hmalakna tur/ rannung       Agricultural/Horticultural/			ah hian chhum tlem a lan beisei a ni.				
NDVI for Mizoram       North East Region       12 August 2015         Pristent dout       Pristent dout       NDVI for Mizoram is less than normal NDVI. Value shown that NDVI is zero. So, it represents         0.2-0.3       0.3-0.4       0.4-0.5       0.3-0.6         0.3-0.6       0.3-0.6       0.3-0.6       0.3-0.6         Morth East Region       0.4-0.5       0.3-0.6       0.4-0.5         0.3-0.6       0.3-0.6       0.4-0.5       0.4-0.5         0.3-0.6       0.4-0.5       0.4-0.5       0.4-0.5         0.3-0.6       0.4-0.5       0.4-0.5       0.4-0.5         0.3-0.6       0.4-0.5       0.4-0.5       0.4-0.5         Morth East Region       NDVI values of North-East states Which NDVI is zero. So, it represents       "Bare Soil".         Thlai/ ran       Spat zawng       Hmalakna tur/ rannung       Agricultural/Horticultural/							
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Thlai/ ran       Spat zawng       Hmalakna tur/ rannung       Agricultural/Horticultural/			-		d NDVI. Value	e shown that	
Agriculture vigour is good in valleys of North-East state which over parts of Assam. NDVI values vary from 0.46. Normal       "Bare Soil".         Thlai/ ran       Spat zawng       Hmalakna tur/ rannung       Agricultural/Horticultural/				on 2 / bare soil / wet background NDVI		it represents	
Thlai/ ran     Spat zawng     Hmalakna tur/ rannung     Agricultural/Horticultural/				<sup>0.3-0.4</sup> "Bare	Soil".		
Cover parts of Assam. NDVI values vary from 0.4-0.6. Normal NDVI conditions are observed all over NE region.           Thlai/ ran         Spat zawng         Hmalakna tur/ rannung         Agricultural/Horticultural/			. A				
Thlai/ ran         Spat zawng         Hmalakna tur/ rannung         Agricultural/Horticultural/			Agriculture vigour is good in valleys of North-East states which				
			NDVI conditions are observed all over NE region.				
	Thlai/ ran S	pat zawng	Hmalakna tur/ ra	annung Agi	ricultural/Hort	ticultural/	
				11		1   Page	

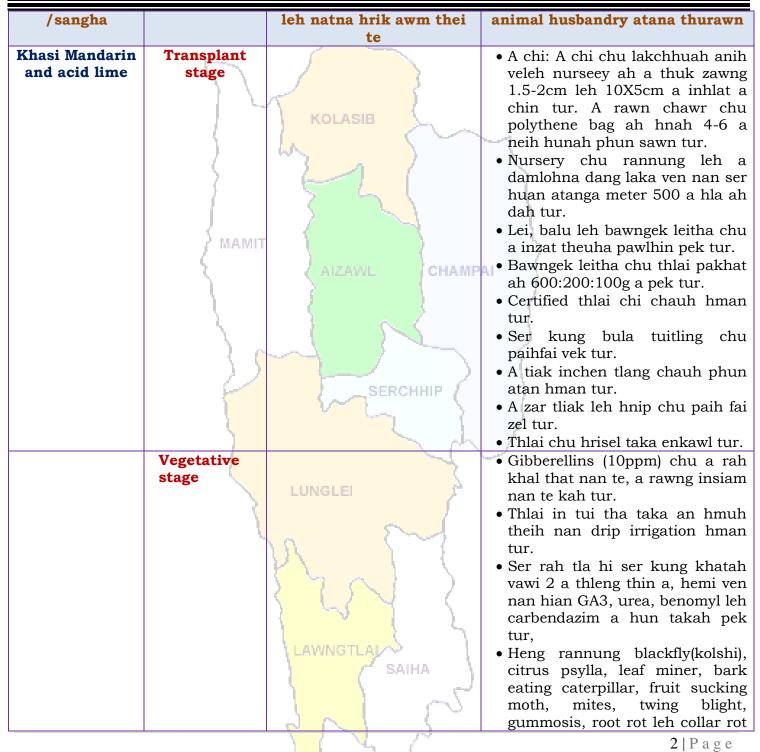
Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION

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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



			te hi ven tur.
			• Fungicide Carbendazim (0.1%
			emaw 1000ppm) a hun takah
		/ /	pek tur (thlakhat naah leh a
		2	seng hma ni 15 ah, chu chu
			vawi hnih kah tur).
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<b>F</b>	harvesting		zar thlak bawk tur.
	stage		• Leitha chu thlai pakhatah
	Jungo (		600:200:100g a pek tur.
	(		
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		• Heng micro-nutrients zinc,
			copper, manganese, iron, boron
	A MAMIT		leh molybdenum te hi an
	E MANUT		mamawh tawka pek tur, a huan
	1 - Y	AIZAWL CHAMP	pum a chhiat vek loh nan ven
			that bawk tur.
	1 i i i i i i i i i i i i i i i i i i i		• Oil palm rah chu a puitlin
			hunah te, a rawng inthlak
	1		hunah leh a thlum leh thur a pai
			tam hunah seng tur.
Balhla	Vegetative/		• Balhla kung bul chu tihfai a a
	harvesting	SERCHHIP	zar thlak bawk tur.
			• Leitha chu thlai pakhatah
			600:200:100g a pek tur.
			• Heng micro-nutrients zinc,
			copper, manganese, iron, boron
		3	leh molybdenum te hi an
		LUNGLEI 📝	mamawh tawka pek tur, a
	>		huan pum a chhiat vek loh nan
	<u>}</u>	~ (	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.
			• A rah chu a puitlin hunah leh a
			rawng eng a nih hunah seng
0	NT	LAWNGTLAL	tur.
Sapthei	Nursery stage	( SAIHA )	• A chi chu a rah hmin tha atanga
			lak ni se, ni 15-20 hnuah
		$\sim$	nursery siam tur.
		200	• A hnah 2/3 a rawn awm tan hnu
		N. C	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



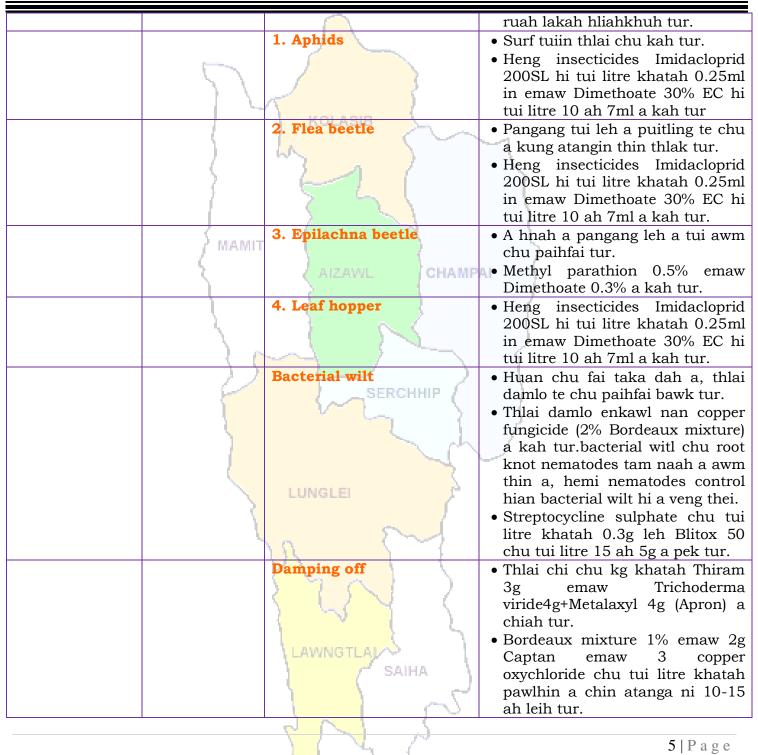
			ah polythene bag ah phunsawn
			tur.
			• Polythene bag atangin thla <sup>3</sup> / <sub>4</sub>
			hnu ah huan ah phun sawn leh
		1 2	tur.
		$\mathcal{K}$	• Bawngek leitha chu khur khat
		KOLASIB	ah 15g leh NPK 100:50:100g in
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		kumkhat chhungin pek tur.
Lakhuihthei	A par lai	(NS	• A par chhuah hma nan chemical
	·····	2	(Ethrel 10ppm+2% urea+0.04%
	{}		sodium carbonate) chu pek tur.
			Tlai ah emaw thlaiin hnah 32 a
			neih hunah pek tur.
	/ MAMIT		• Chemical pek atangin ni 55-60
		AIZAWL CHAMP	
	1 N 1	CALCAVIL CHAMP	ang.
		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	• Leitha chu thlai pakhat ah
			60:50:60g a pek tur.
	1		• Thlai hnah leh a zar thi te chu
	2 6		paihfai a, hnim te tihfai bawk
			tur.
		Corm borer SERCHHIP	• Carbofuran 3G chu hectare
			khatah 1.5kga.i a pek tur. Hemi
			hi a zung ah a tuina hnuhma a
			awmin pek tur
Cucurbitaceous	A rah lai		•• Ni 7 danah tui chu tha taka pek
crops			tur.
	<u> </u>	LUNGLEI	• Huan zau thamah chuan fruitfly
	1	~ (	leh pumpkin beetle ven nan
	1		carbaryl 0.2% leh malathion
			0.15% chu chini tui litre khatah
			10g a pawlhin kar khat danah
			leh a par tan tirhah leh a rah tan
			hunah kah tur.
			• Thlai pakhatah a par nasat lain
Bawrhsaiabe	A chin dan	1. Nursery tihfai a tui	<ul><li>urea chu 70g a pek tur.</li><li>A kung bulthut ah hnim chheh</li></ul>
Dawinsalanc	n chin uan	tlem pek tur. SAIHA	• A kung buthut an mini chilen darh tur.
		2. Phunsawn hnuah tui-	• A khat tawkin tui pek tur.
		tha taka pek tur.	• A tiak phunsawn te chu nil eh
			- A liak phansawn ic chu ill ch
	1		4   P a g e
			4   r a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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







### ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



	7	Leaf spot and leaf blotch Leaf spot leh leaf blotch	<ul> <li>Dithane M-45 chu tui litre khatah 2.5g emaw Carbendazim 1g chu tui litre khatah pawlhin karkhat danah vawi 2/3 kah tur.</li> <li>Leaf spot tan Blitox 3g chu tui litre khata pawlhin kah tur.</li> <li>Tui litre khatah Dithane M-45 chu 2.5g emaw Bavistin chu 1g</li> </ul>
French bean	A par lai MAMIT	The second secon	<ul> <li>a pawlhin karkhat danah vawi 2/3 kah thin tur.</li> <li>Leaf spot ah chuan tui litre khatah Blitox chu 3g pawlh a kah thin tur.</li> <li>Bean hnah, a tang ro leh hnim te</li> </ul>
		AIZAWL CHAMP	<ul> <li>chu paihfai vek tur.</li> <li>Lei chu boruak kal that nan laihphut thin tur.</li> <li>A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.</li> </ul>
	P	Blister beetle	<ul> <li>Rannung ho chu mankhawmin thah vek tur.</li> <li>Cypermethrin 2g chu tui litre khata pawlhin kah thin tur</li> </ul>
Bawkbawn	A chin dan		• Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur.
Tomato	A chin dan		<ul> <li>A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.</li> <li>Nursery tur chu lei dip tha darh</li> </ul>
- 544440		LAWNGTLAL	<ul> <li>leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).</li> <li>Leitha 10kg leh bawngek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.</li> </ul>
		Aphids ~	• Surf tuiin thlai chu kah tur.
			<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



			• Heng insecticides Imidacloprid
			200SL hi tui litre khatah 0.25ml
			in emaw Dimethoate 30% EC hi
			tui litre 10 ah 7ml a kah tur.
		Epilachna beetle	• Methyl parathion 0.5% emaw
		KOLASIB	Dimethoate 0.3% a kah in flea
			beetle a veng thei
Buh	Nursery stage	Pre kharif rice	• A chi tha leh khat tha chauh
		3 1	hman tur.
	1		• Tui litre 10 ah chi (salt) 250g
			pawlhin chutah chuan chiah tur.
			• Bavistin 50WP @0.1% chu tui
	A MAMIT		litre khatah 2g a pawlhin a chi
	100200011		chu chiah tur.
	1	Raised bed method CHAMP	
			se, 1.25m a zau leh tui luanna
			tur 20-30cm a zau siam tur. Hei
	- K		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	SERCHHIP (	• 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
		3	chiah tur.
			• Hectare khatah buh chi chu 20-
	2	ſ	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. Nitrogen chu a dose chanve 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	Land	SAIHA	• Thlai hnah, a tang ro leh hnim te
Aieng	preparation		chu paihfai vek tur.
		$\sim$	• Lei chu boruak kal that nan
L	1	2015	
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



			laihphut thin tur.
			• Nitrogen leitha chu an mamawh
			taw kanga pek tur.
		Thrips	Roger emaw Monocrophos chu
		6	tui litre khatah 2.5ml a pawlhin
		KOLASIB	kah tur.
	)	Scales	• Quinalphos emaw
	- <u></u>	2 1	Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive	1. A natna vei vawk te chu thah a
VAWK	munituanin	Respiratory Syndrome	phum tur a ni.
		(PRRS).	pitali tai a ili.
	A puitling	Swine fever.	2. Vawk thla hnih a nihin SF
	hun	AIZAWL CHAMP	vaccine pek tur a ni a, he vaccine
			hi thla ruk emaw kumtluanin
			pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease	• Thla16 a upa an rih in FMD
		(FMD)	vaccine pek tur a nia, thla 6
			danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQ)</li> <li>Thla ruk an tlin hunah</li> </ul>
		SERCHHIP (	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
		LUNGLEI	hunah $R_2B$ pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat
			pek tur.
		SAIHA	
		1 1 ~	
		32 55	

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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,

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SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



#### **District:** Serchhip

Period: 05- 09, September, 2015

Bulletin No: -550/2015/	Bulletin/English
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Date of issue: 04th September, 2015

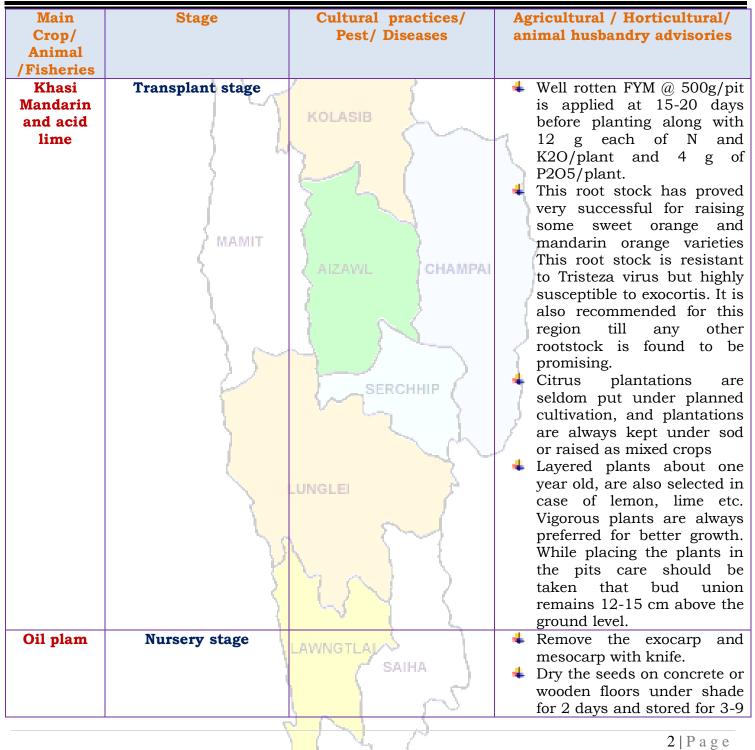
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	4	0	4	0	0
Max Temp (oC)	27	25	29	29	29
Min Temp (oC)	20	18	20	19	18
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	73	92	79	76	66
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	E	E	E	E
N	ortherly- N, Nort	h-Easterly- <mark>N-E</mark> , E	asterly- E, South-H	Casterly- <mark>S-E</mark> ,	
So	utherly- <mark>S</mark> , South	-Westerly- <mark>S-W</mark> , W	/esterly-W, North-w	vesterly- N-W.	
STATUS OF MONSO	OON- August 1-3	31, 2015 (Percen	nt of deviation fr	om normal in po	arenthesis)
Aizawl- 313.32m	m Champha	<b>i-</b> 268.78mm	Saiha- 216.20 n	nm Kolasib-	247.17mm
(387.0m)		(301.30mm)	(367.71	nm)	(372.0mm)
Lawngtlai-226.10m	n Lunglei	-370.28mm	Mamit-197.57n	nm Serchhip	-247.35mm
(365.4mr	n)	(371.4mm)	(376.0n	n <b>m)</b>	(301.8mm)
Weather summa	ry of the past	Weather for	ecast valid from	n 05 <sup>th</sup> Septemb	er, 2015 To
three d	lavs		09 <sup>th</sup> Septen	nber, 2015.	
There are chances of light rainfall during the ned days. The maximum and minimum temperatures for next 5 days may range for 25-29°C and 10-4 Maximum relative humidity is expected in the ran 100% and minimum may from 66-92%. Wind dire would be easterly to southeasterly with the wind so of 2 km per hour. Mainly cloudy sky will prevail d the next five days.					tures for the nd 10-20°C. the range of ind direction e wind speed revail during
			kly cumulative	<b>v</b>	
NDVI for Mizoram		North East Region	Prisitest doud ⇒ 6.2. / Arer solf / wet background 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6 ⇒ 0.6	OVI for Mizoram rmal NDVI. V at NDVI is z presents "Bare S	alue shown zero. So, it
		2 M			
			1		1   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



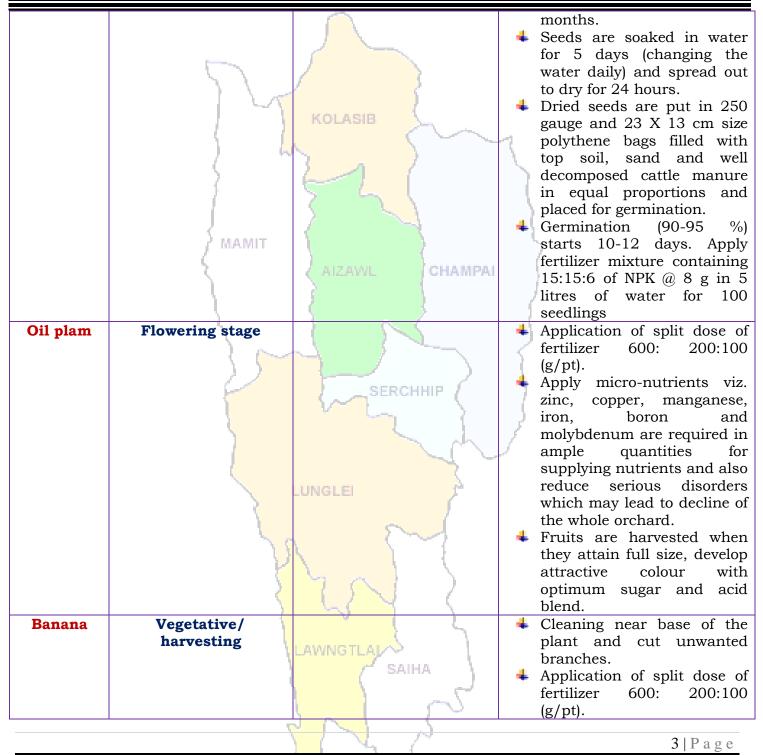




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Mizoram Centre, Kolasib- 796081, MIZORAM



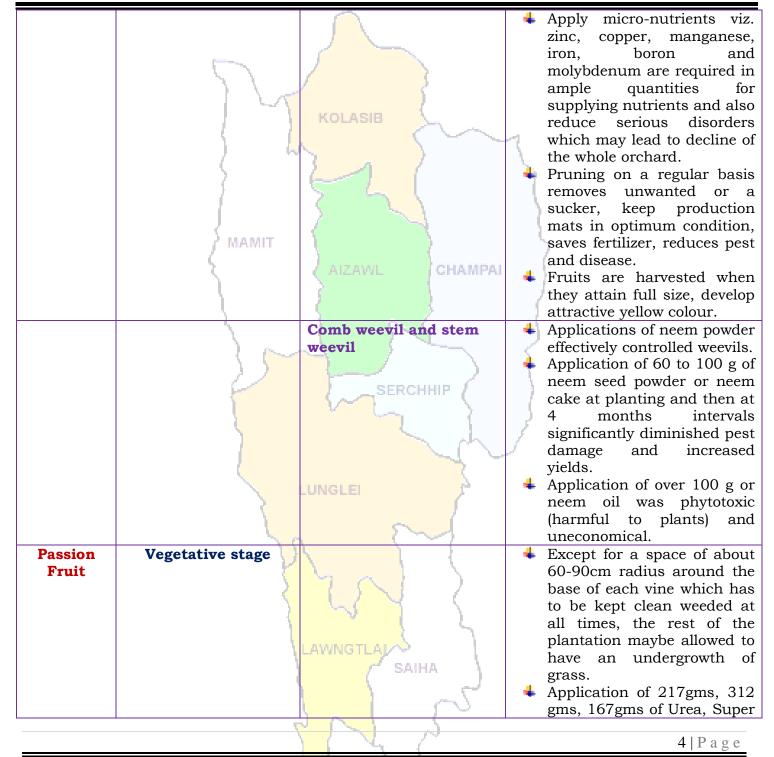




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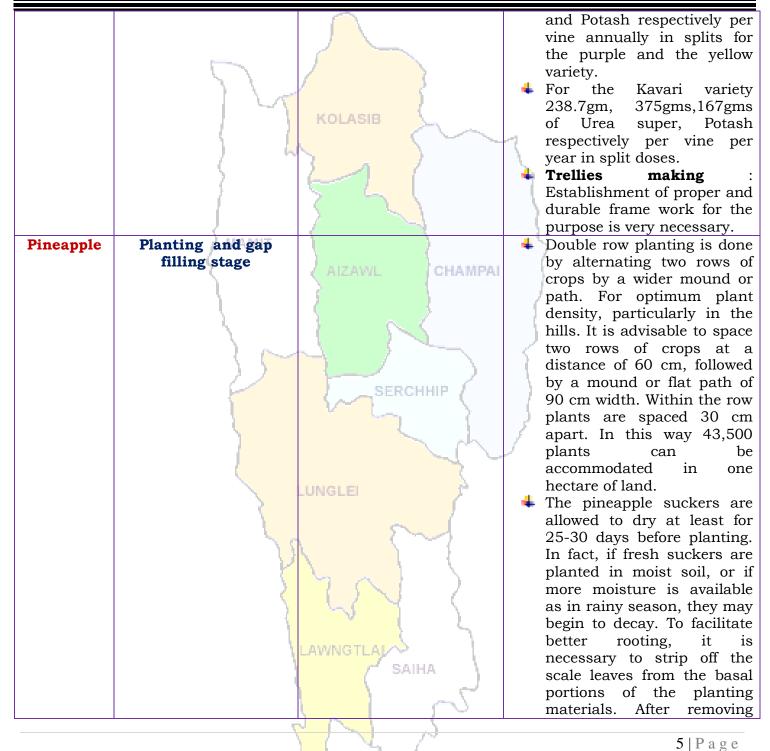




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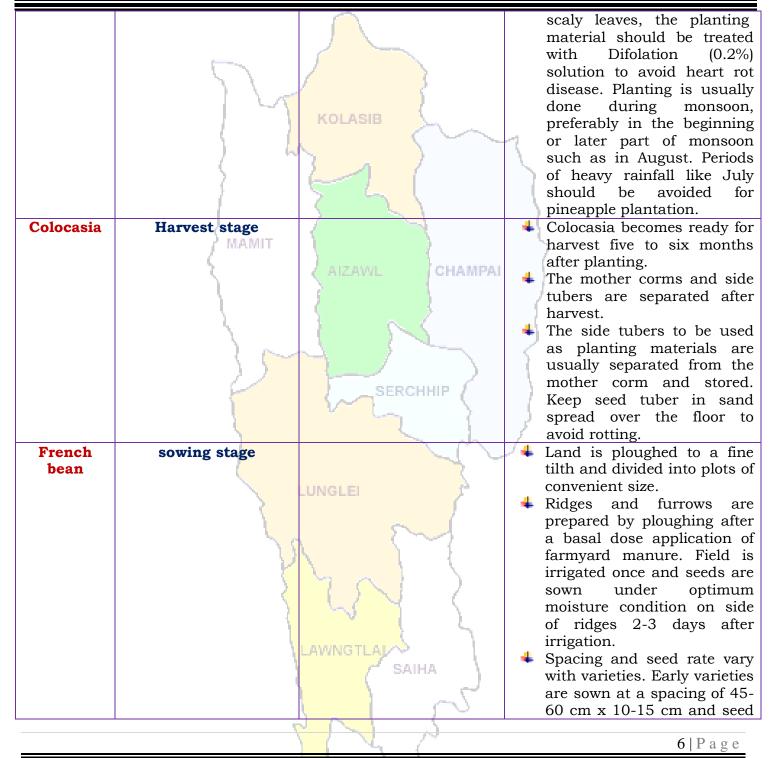




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Mizoram Centre, Kolasib- 796081, MIZORAM





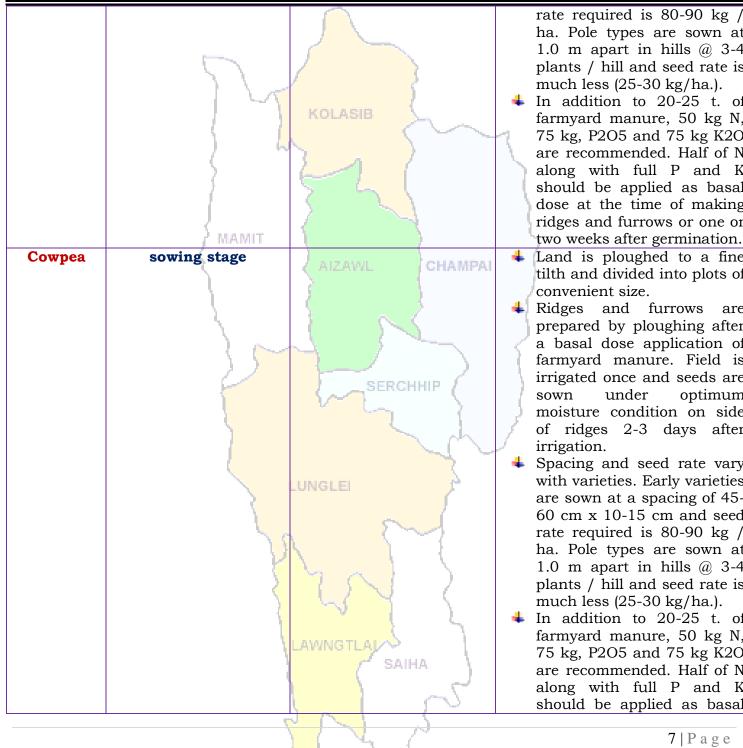


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Mizoram Centre, Kolasib- 796081, MIZORAM

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





ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).  $\downarrow$  In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K

- should be applied as basal dose at the time of making ridges and furrows or one or two weeks after germination.
- Land is ploughed to a fine tilth and divided into plots of convenient size.
- Ridges and furrows are prepared by ploughing after a basal dose application of farmyard manure. Field is irrigated once and seeds are sown under optimum moisture condition on side of ridges 2-3 days after irrigation.
- ♣ Spacing and seed rate vary with varieties. Early varieties are sown at a spacing of 45-60 cm x 10-15 cm and seed rate required is 80-90 kg / ha. Pole types are sown at 1.0 m apart in hills @ 3-4 plants / hill and seed rate is much less (25-30 kg/ha.).
- ↓ In addition to 20-25 t. of farmyard manure, 50 kg N, 75 kg, P2O5 and 75 kg K2O are recommended. Half of N along with full P and K should be applied as basal

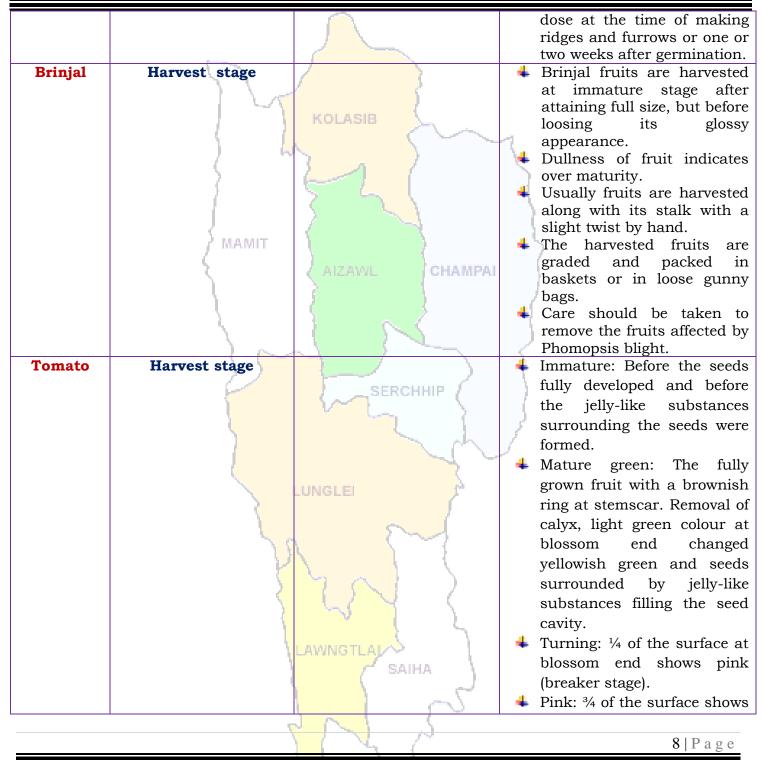
7 | Page



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Mizoram Centre, Kolasib- 796081, MIZORAM



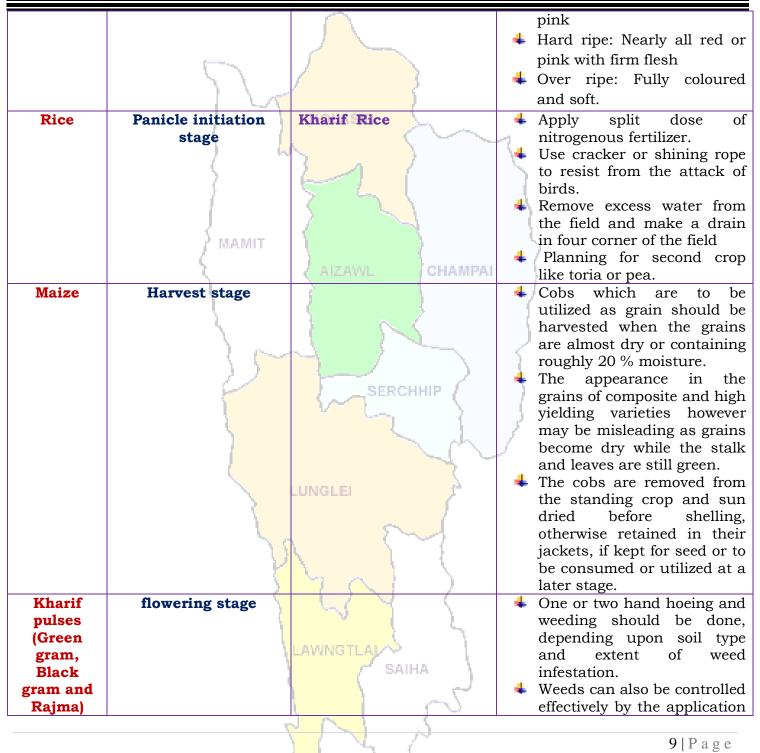




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Mizoram Centre, Kolasib- 796081, MIZORAM







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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			_	
Ginger and turmeric	Vegetative stage	KOLASIB AIZAWL CHAMPAI		of TOK-E-25 at the rate of 10 ml dissolved in 1 liter of water as pre-emergence spray. Provide irrigation in dry condition or dry spell. Provide 2% urea solution for better growth. Remove unwanted plant near base of the 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, Dandemethelin (Stemp) @ 1
	Z	SERCHHIP	4	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.
		Thrips	/4	Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.
		Scales	4	
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1.	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 (BQ)	•	Black Quarter Vaccine
	1			10   P a g e

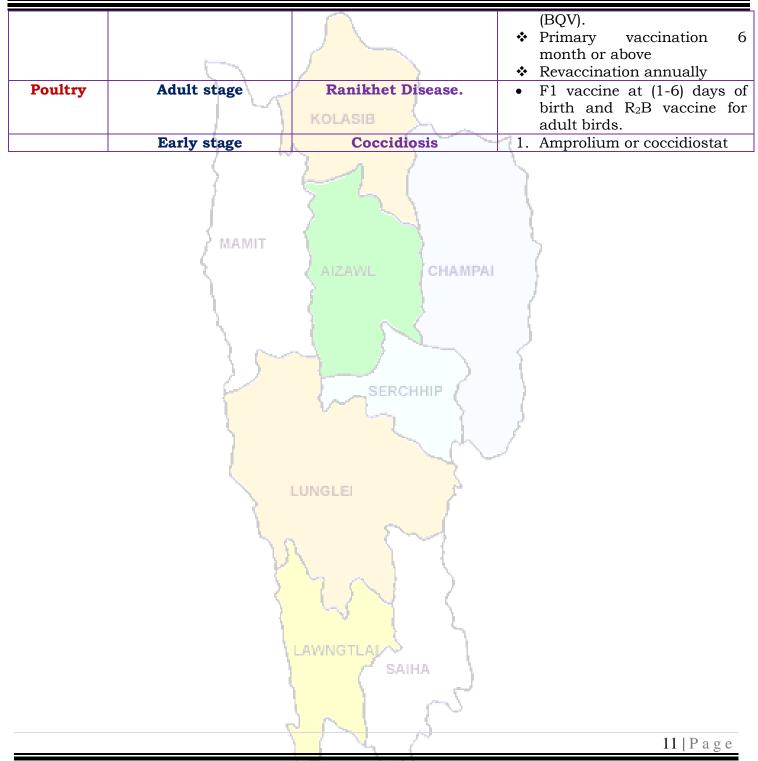
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,







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

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	Ц	language Translator)	5
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		2015	0

12 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



#### **District:** Serchhip

Period: 05- 09, September, 2015

### Bulletin No: -550/2015/ Bulletin/Mizo

Date of issue: 04th September, 2015

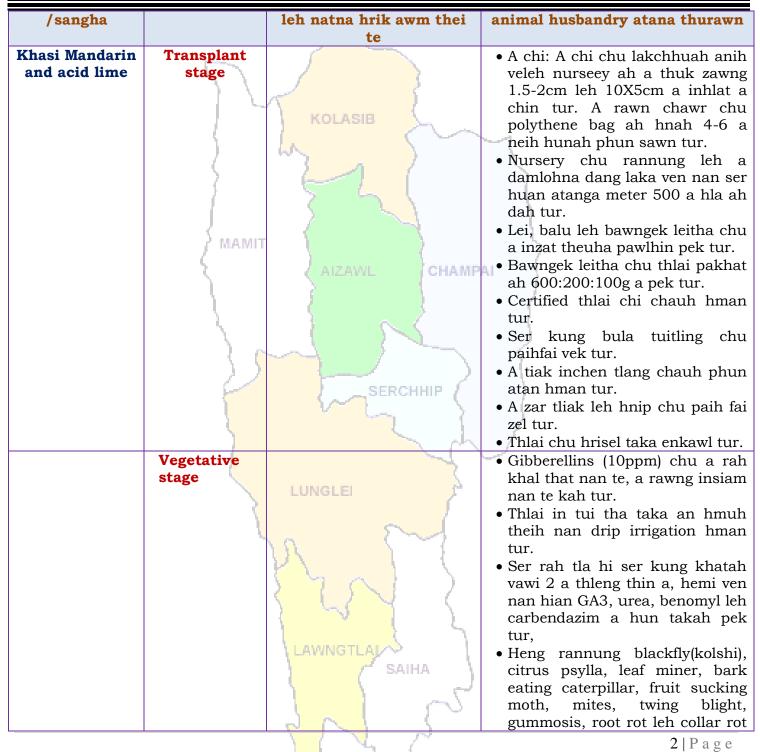
Parameters	05.09.2015	06.09.2015	07.09.2015	08.09.2015	09.09.2015
Rainfall (mm)	4	0	4	0	0
Max Temp (oC)	27	25	29	29	29
Min Temp (oC)	20	18	20	19	18
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	73	92	79	76	66
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	E	E	E	Е
		th-Easterly- <mark>N-E</mark> , Eas			
		h-Westerly- <mark>S-W</mark> , Wes		*	
STATUS OF MONSO					
Aizawl- 313.32mm			Saiha- 216.20 n		- 247.17mm
(387.0mm	·	(301.30mm)	(367.7n	•	(372.0mm)
Lawngtlai-226.10mm	<b>U</b>	i-370.28mm	Mamit-197.57m		p-247.35mm
(365.4mm)	· · · · · · · · · · · · · · · · · · ·	(371.4mm)	(376.0m		(301.8mm)
Ni thum kaltha	a sik leh	September 05,	, 2015 atanga	a Septembe:	r 09, 2015
sa dinhmun tl	angpui	sik leh sa dinhmun hmuhlawk dan			
NDVI for Mizoram		Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Kh lum lai berin 25-29°C a ni ang a.A vawh lai ber in 10- ni tur ah beisei a ni.RH san lai berin 100% leh a hnia berin 66-92% ni tur a beisei niin. Thli tleh dan k zawng chu chhimchhak lam atangin a nat zawng darkar 2 km ni tur a beisei niin. Ni nga chhung lo awr ah hian chhum tlem a lan beisei a ni. Weekly cumulative rainfall: 08.0mm NDVI for Mizoram is less normal NDVI. Value shown NDVI is zero. So, it repre "Bare Soil".			
Thlai/ ran S	pat zawng	Agriculture vigour is good in valleys of North-East state cover parts of Assam. NDVI values vary from 0.44.06. NDVI conditions are observed all over NE region. Hmalakna tur/ ra	Normal	ricultural/Hort	icultural/
			N		1   P a g e



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		~	
			te hi ven tur.
			• Fungicide Carbendazim (0.1%
			emaw 1000ppm) a hun takah
			pek tur (thlakhat naah leh a
		~ {	seng hma ni 15 ah, chu chu
		KOLASIB	vawi hnih kah tur).
Oil palm	Vegetative/		• Oil palm kung bul chu tihfai a a
	harvesting		zar thlak bawk tur.
	stage	13 A /	• Leitha chu thlai pakhatah
	2		600:200:100g a pek tur.
			• Heng micro-nutrients zinc,
			copper, manganese, iron, boron
	S manut		leh molybdenum te hi an
	/ MAMIT		mamawh tawka pek tur, a huan
	2	AIZAWL CHAMP	pum a chhiat vek loh nan ven
			that bawk tur.
			• Oil palm rah chu a puitlin
	λ.		hunah te, a rawng inthlak
	<b>\</b>		hunah leh a thlum leh thur a pai
			tam hunah seng tur.
Balhla	Vegetative/		• Balhla kung bul chu tihfai a a
	harvesting	SERCHHIP (	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
	<u> </u>	LONGLEI	mamawh tawka pek tur, a
	\\	- (	huan pum a chhiat vek loh nan
	1		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.
			• A rah chu a puitlin hunah leh a
		LI ADALATE AL AL	rawng eng a nih hunah seng
Santhai	Nursery stage		tur.
Sapthei	nursery stage	( saiha )	• A chi chu a rah hmin tha atanga
		7	lak ni se, ni 15-20 hnuah
			nursery siam tur.
			• A hnah 2/3 a rawn awm tan hnu
			3   P a g e



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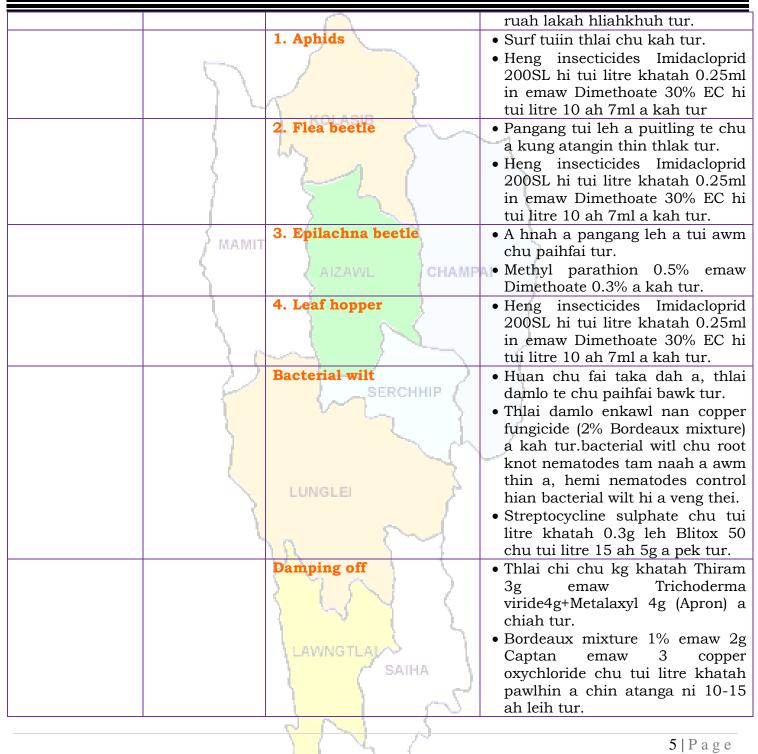
			ah polythene bag ah phunsawn
			tur.
			• Polythene bag atangin thla <sup>3</sup> / <sub>4</sub>
			hnu ah huan ah phun sawn leh
	1 1	2	tur.
		$\mathcal{K}$	• Bawngek leitha chu khur khat
		KOLASIB	ah 15g leh NPK 100:50:100g in
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		kumkhat chhungin pek tur.
Lakhuihthei	A par lai	(NS	• A par chhuah hma nan chemical
		2	(Ethrel 10ppm+2% urea+0.04%
	5		sodium carbonate) chu pek tur.
			Tlai ah emaw thlaiin hnah 32 a
			neih hunah pek tur.
	/ MAMIT		• Chemical pek atangin ni 55-60
	- ζ	AIZAWL CHAMP	
		CALLAVIL CHAMP	ang.
			• Leitha chu thlai pakhat ah
			60:50:60g a pek tur.
	1 N		• Thlai hnah leh a zar thi te chu
			paihfai a, hnim te tihfai bawk
			tur.
		Corm borer SERCHHIP	• Carbofuran 3G chu hectare
			khatah 1.5kga.i a pek tur. Hemi
			hi a zung ah a tuina hnuhma a
			awmin pek tur
Cucurbitaceous	A rah lai		• Ni 7 danah tui chu tha taka pek
crops			tur.
		LUNGLEI	• Huan zau thamah chuan fruitfly
	N 1	~ (	leh pumpkin beetle ven nan
	1		carbaryl 0.2% leh malathion
			0.15% chu chini tui litre khatah
			10g a pawlhin kar khat danah
			leh a par tan tirhah leh a rah tan
			hunah kah tur.
			• Thlai pakhatah a par nasat lain
Bawrhsaiabe	A chin dan	1. Nursery tihfai a tui	urea chu 70g a pek tur.
Dawinsdiauc		tlem pek tur. SAIHA	• A kung bulthut ah hnim chheh darh tur.
		2. Phunsawn hnuah tui-	
		tha taka pek tur.	• A khat tawkin tui pek tur.
			• A tiak phunsawn te chu nil eh
	I		1
			4   P a g e



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		Leaf spot and leaf blotch	• Dithane M-45 chu tui litre khatah 2.5g emaw Carbendazim 1g chu tui litre khatah pawlhin karkhat danah vawi 2/3 kah tur.
		KOLASIE	• Leaf spot tan Blitox 3g chu tui litre khata pawlhin kah tur.
	{	Leaf spot leh leaf blotch	• Tui litre khatah Dithane M-45 chu 2.5g emaw Bavistin chu 1g a pawlhin karkhat danah vawi 2/3 kah thin tur.
	{		• Leaf spot ah chuan tui litre khatah Blitox chu 3g pawlh a kah thin tur.
French bean	A par lai MAMII	AIZAWL CHAMI	<ul> <li>Bean hnah, a tang ro leh hnim te chu paihfai vek tur.</li> <li>Lei chu boruak kal that nan laihphut thin tur.</li> </ul>
			• A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
	F	Blister beetle	<ul> <li>Rannung ho chu mankhawmin thah vek tur.</li> <li>Cypermethrin 2g chu tui litre khata pawlhin kah thin tur</li> </ul>
Bawkbawn	A chin dan		• Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A
			chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur.
		Mal S	• A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		• Nursery tur chu lei dip tha darh 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.
		Aphids 🔨	• Surf tuiin thlai chu kah tur.
			<b>6</b>   P a g e



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			• Heng insecticides Imidacloprid 200SL hi tui litre khatah 0.25ml in emaw Dimethoate 30% EC hi
			tui litre 10 ah 7ml a kah tur.
		Epilachna beetle KOLASIB	• Methyl parathion 0.5% emaw Dimethoate 0.3% a kah in flea beetle a veng thei
Buh	Nursery stage	Pre kharif rice	• A chi tha leh khat tha chauh
			hman tur.
	7		• Tui litre 10 ah chi (salt) 250g
	1 1		pawlhin chutah chuan chiah tur.
			• Bavistin 50WP @0.1% chu tui
			litre khatah 2g a pawlhin a chi
	/ MAMIT		chu chiah tur.
	1 2	Raised bed method CHAMP	
	1		se, 1.25m a zau leh tui luanna
	1	1 2 3	tur 20-30cm a zau siam tur. Hei
	1 X		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	SERCHHIP (	• 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.
		2	• Hectare khatah buh chi chu 20-
		LUNGLEI 🏓	25kg hman tur.
	5	ſ	• 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.
			Nitrogen chu a dose chanve in a
			chin hnu ah pek tur, a bang 25%
			chu a hnu thlakhat ah leh a
			dang 25% chu a par hunah pek
		LAWNGTLAL	tur.
Sawhthing leh	Land	( <sup>2 SAIHA</sup> )	• Thlai hnah, a tang ro leh hnim te
Aieng	preparation		chu paihfai vek tur.
			• Lei chu boruak kal that nan
			7   P a g e



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			laihphut thin tur.
			• Nitrogen leitha chu an mamawh
		Thesis	taw kanga pek tur.
		Thrips	• Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin
		$\langle \rangle$	kah tur.
		KOLASIB	han tur.
		Scales	• Quinalphos emaw
		m 3 a 1	Monocrotophos chu tui litre
			khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive	1. A natna vei vawk te chu thah a
		Respiratory Syndrome	phum tur a ni.
	A puitling	(PRRS). Swine fever.	2. Vawk thla hnih a nihin SF
	hun	AIZAWL CHAMP	
		CAIZAVIL CHAMP	hi thla ruk emaw kumtluanin
		1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease	• Thla16 a upa an rih in FMD
		(FMD)	vaccine pek tur a nia, thla 6
			danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	Black Quarter Vaccine (BQ)
		SERCHHIP (	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
		LUNGLEI	hunah $R_2B$ pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat
	1		pek tur.
		( MALL)	
		LAWNGTLAL	
		( SAIHA )	
		7~ (	
			8 D 0 0 0
		<u> </u>	8   P a g e



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9 | P a g e