

**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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#### **District:** Kolasib

Period: 22- 26, November, 2014

Bulletin No: -468/2014/ Bulletin/English Dated: 21 <sup>st</sup> November, 2014						
Parameters	22-11-2014	23-11-2014	24-11-2014	25-11-2014	26-11-2014	
Rainfall (mm)	0	0	0	0	0	
Max Temp (oC)	28	27	27	28	28	
Min Temp (oC)	7	N 7	7 7	8	8	
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	98	- 98	98	98	97	
Min RH (%)	39	37	43	42	42	
Wind Speed (Kmp		4	4	6	6	
*Wind Direction	E	E	E	E	E	
STATUS OF MON	Southerly- S, South SOON- August 1-30, 2					
Kolasib- 372.1m (19.16)		329.7mm M (-28.00)	amit-376.0 mm (-20.69)		'8.0mm 33)	
Weather sum	nary of the past	Weather fore	cast valid from	22 <sup>nd</sup> November	r, 2014 To 26 <sup>th</sup>	
	e days	weather fore	Novemb		, 2014 10 20	
	ange for maximum	There is no chanc	e of rainfall during	/	The maximum an	
	re $25.4-28.6^{\circ}$ C and		atures for the next			
	ctively. Clean sky		relative humidity			
	Wind direction is		y from 37-43%. W			
	n RH observed 56-		f 3-6 km per hour			
•	of 17-27%. Rainfall		i 5-0 kili per noui	. Clear sky will	prevan during un	
		next five days.				
	past three days is	$( \cup )$	V	······································		
00.0mm.	<u>C</u> (		Weekly cumulative	v		
Main Crop/	Stage	Cultural practi		ultural / Horticul		
Animal		Pest/ Disease		husbandry advi	sories	
/Fisheries	<b>X</b> 7 4 4 4		AIHA		1. 1	
Khasi	Vegetative stage				U	
Mandarin		a second of	• Wound	dressing with Bo	ordeaux paste and	



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	5	KOLASIB	<ul> <li>mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.</li> <li>Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting	LA ZAVIL O	<ul> <li>Remove water sucker, keep 1or 2 plants in a single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Harvest fruits when the flower tips of the</li> </ul>
Pineapple	Vegetative stage	SERCHHI	<ul> <li>fruit dehiscent.</li> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetative stage		<ul> <li>The seedling should be transplant at 2 lea stage.</li> <li>Distance should be (50X 70 cm)</li> <li>In case of dry spell use supplementary irrigation.</li> <li>FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha</li> </ul>
		Damping off and AW Blight SAIHA	<ul> <li>✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water</li> </ul>
		N L C	2   P a g e



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul> <li>✤ Weeding near the plant</li> </ul>
		1	✤ Fertilizer application in split dose of
	2.1	1 8	recommended dose.
		V. commences 1	<ul> <li>Draining of excess water and preparation</li> </ul>
		KOLASIB	mound near the base.
	1	Disease:	$\checkmark$ Seed treatment with captan, thiram or
	1	Damping off-	chlorothalonil will effectively control this
	2		disease.
	1	Pest:	$\checkmark$ Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		4 Trilling into bower structure.
	1		Weeding near the plant
	2	( AIZAWIL JO	Draining of excess water and preparation
			mound near the base.
	(	Scab and leaf blight	<ul> <li>✓ Use of resistant varieties.</li> </ul>
	4	disease	
Early Cole crop	Vegetative stage	Land preparation	$\checkmark$ Main land preparation for cabbage,
	1.1		cauliflower, broccoli and knolkhol.
	1	SERCHH	Plough the field 3-4 times.
		~	Planting distance, plant to plant 45 cm
			and row to row (60-70) cm
			Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Fertilizer application 180:50:50 kg/ha.
		Damping off	Seed treatment with thiram 3g/kg seed or
	>	ECHNOLEEN.	Trichoderma viride 4g+ metalaxyl 4g
	F	-	(Apron)/ kg seed
	5	a 2~~	✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
		1 19	at 10-15 DAS are effective.
		Mustard sawfly	<ul> <li>✓ Application of carbofuran 3G @ 100g/m<sup>2</sup></li> </ul>
			in nursery is quite effective.
Mustard and	Sowing		Seed should be sown in rows 30 cm apart
toria	bowing	1R	by drill or pora. The seed should be placed
tor i u		LAWNGTLAY	at 2 to 3 cm denth. In case the moisture in
		/ SAIHA	the soil is insufficient, the seed may be
			mixed with moist soil and kept overnight
		1211	for soaking.
L		K 1 2 3	
		1 4	3   P a g e



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	1	~	✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul> <li>✓ Seed should be sown in rows 30 cm apar by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be</li> </ul>
	}	W2-27	<ul> <li>mixed with moist soil and kept overnigh for soaking.</li> <li>Full amount of phosphorus and potash and</li> </ul>
	1	23	half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
	f	Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
	2	Leaf spot and leaf	<ul> <li>Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-isprayings should be given forthnightly intervals.</li> <li>Spraying of Blitox @ 3 g/l of water wa found effective against leaf spot.</li> </ul>
Rice	Flowering Stage	(m)	<ul><li>One hand weed will require.</li><li>Application of split dose of Urea.</li></ul>
			<ul> <li>Destroy egg masses.</li> <li>Spraying of monocrotophos 20ml/10lt wate or Imidacloprid 20ml/10lt water.</li> </ul>
		Gundhi bugalha	<ul> <li>Spray monocrotophos 36 WSC @ 1.5 ml/l or endosulfan 35 EC @ 1.5 ml/ml</li> <li>Insecticide application should be done if the</li> </ul>
		4 LA	4   P a g e



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		A	population reaches ETL of 1 nymph or adult/ hill.
	5	KOLASIB	<ul> <li>Judicious application of nitrogenous fertilizer.</li> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R <sub>2</sub> B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientis <mark>t (Hort.)</mark>	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	4	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	÷	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	5.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	4 -	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	Y:	Research Associate (Mizo	mamamralte@yahoo.com
	1	language Translator)	

### **Collaborating Department:**

	N		
Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA



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

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



#### **District:** Lawntalai

Period: 22 - 26, November, 2014

#### Bulletin No: -468/2014/ Bulletin/English Dated: 21st November, 2014 22-11-2014 **Parameters** 23-11-2014 24-11-2014 25-11-2014 26-11-2014 Rainfall (mm) 0 0 0 0 0 Max Temp (oC) 2728 2728 28 Min Temp (oC) 9 7 8 8 9 **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Clear sky Max RH (%) 97 96 96 95 96 **Min RH (%)** 41 30 32 33 35 Wind Speed (KmpH) 4 7 7 7 7 Wind Direction E E E E Е Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis) Champhai- 329.7mm Kolasib- 372.1mm **Mamit-376.0 mm** Aizawl-378.0mm (19.16)(-28.00)(-20.69)(7.33)Lawngtalia- 365.4 mm Lunglei- 371.4 mm Serchhip- 166.7 mm Chhimtuipui- 367.8 mm (-64.68)-(-16.55)(-32.04)(-32.04)Weather forecast valid from 22<sup>nd</sup> November, 2014 To 26<sup>th</sup> Weather summary of the past November, 2014. three days There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 7-9°C. Maximum relative humidity is expected in the range of 95-97% and minimum may from 30-41%. Wind direction would be northeasterly with the wind speed of 4-7km per hour. Clear sky will prevail during the next five days. Weekly cumulative rainfall: 00.0 mm Main Crop/ Agricultural / Horticultural/ animal Stage Cultural practices/ Animal **Pest/Diseases** husbandry advisories /Fisheries SAIHA Khasi Vegetative stage Canker • Prune the diseased and dead twigs. Mandarin • Wound dressing with Bordeaux paste and 10

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	5	KOLASIB	<ul> <li>mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.</li> <li>Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting	LA ZAVIL	<ul> <li>Remove water sucker, keep 1or 2 plants in a single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Harvest fruits when the flower tips of the</li> </ul>
Pineapple	Vegetative stage	SERCHHI	3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.
Cucurbits	Vegetative stage		<ul> <li>Weeding and intercultural operation.</li> <li>The seedling should be transplant at 2 leaf stage.</li> <li>Distance should be (50X 70 cm)</li> <li>In case of dry spell use supplementary irrigation.</li> <li>FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha</li> </ul>
		Damping off and LAWN Blight SAIHA	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water</li> <li>2   P a g e</li> </ul>



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Guwahati)

		~	
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	<ul> <li>Weeding near the plant</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Draining of excess water and preparation mound near the base.</li> </ul>
	ζ	Disease: Damping off-	<ul> <li>Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul> <li>✓ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Fruiting stage	AIZAWIL	<ul> <li>Trilling into bower structure.</li> <li>Weeding near the plant</li> <li>Draining of excess water and preparation mound near the base.</li> </ul>
	<pre>{</pre>	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul> <li>Main land preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>Plough the field 3-4 times.</li> <li>Planting distance, plant to plant 45 cm and row to row (60-70) cm</li> <li>Application of FYM (1.5-2.0 kg/m<sup>2</sup>)</li> <li>Fertilizer application 180:50:50 kg/ha.</li> </ul>
		Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
	6	Mustard sawfly	Application of carbofuran 3G @ $100g/m^2$ in nursery is quite effective.
Mustard and toria	Sowing	LAWNGTLAL	Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.
		VIN P	3   P a g e



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		2	✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul> <li>✓ Seed should be sown in rows 30 cm apar by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be</li> </ul>
	}	222	<ul> <li>mixed with moist soil and kept overnigh for soaking.</li> <li>✓ Full amount of phosphorus and potash and</li> </ul>
	1	[ ]	half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
	f	Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
	2	Leaf spot and leaf	<ul> <li>Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-sprayings should be given forthnightly intervals.</li> <li>Spraying of Blitox @ 3 g/l of water wa found effective against leaf spot.</li> </ul>
Rice	Flowering Stage	(m)	<ul> <li>One hand weed will require.</li> <li>Application of split dose of Urea.</li> </ul>
		Rice Stem borer	<ul> <li>Destroy egg masses.</li> <li>Spraying of monocrotophos 20ml/10lt wate or Imidacloprid 20ml/10lt water.</li> </ul>
		Gundhi bugalha	<ul> <li>Spray monocrotophos 36 WSC @ 1.5 ml/l or endosulfan 35 EC @ 1.5 ml/ml</li> <li>Insecticide application should be done if the</li> </ul>
		KN V	4   P a g e



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		A	population reaches ETL of 1 nymph or adult/ hill.
	5	Leaf blast	<ul> <li>Judicious application of nitrogenous fertilizer.</li> </ul>
			<ul> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R <sub>2</sub> B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	6	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	ŀ	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	Si.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	( : <sup>1</sup>	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

### **Collaborating Department:**

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA



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#### **District:** Lunglei

Period: 22- 26, November, 2014

		100	3	Dated: 21st Nov	·
Parameters	22-11-2014	23-11-2014	24-11-2014	25-11-2014	26-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (oC)	28	27	27	28	28
Min Temp (oC)	7	6	6	6	6
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	99	- 99	99	98	99
Min RH (%)	38	31	34	30	32
Wind Speed (Km	<b>pH)</b> 4	6	6	6	6
*Wind Direction	E	E	E	E	E
STATUS OF MON	Southerly- <mark>S</mark> , South NSOON- August 1-30, 2				
Kolasib- 372.11 (19.16)		-28.00)	amit-376.0 mm (-20.69)	(7.	78.0mm 33) ipui- 367.8 m
(-32.0				in ommu	pur oono m
Weather sum	mary of the past	(-64.68) Weather fored	(-16.55) cast valid from	22 <sup>nd</sup> Novembe	(-32.04) r, 2014 To 26
	mary of the past e days	Weather fored	cast valid from Novemb	er, 2014.	r, 2014 To 26
		Weather fored There is no chanc minimum tempera 6-7°C. Maximum and minimum may the wind speed of next five days.	cast valid from Novemb e of rainfall during tures for the next relative humidity y from 30-38%. W f 4-6 km per hour	er, 2014. g the next 5 day. 7 5 days may rang is expected in the ind direction wou c. Clear sky will	<b>r, 2014 To 26</b> The maximum a e for 27-28 <sup>0</sup> C a e range of 98-99 Id be easterly w prevail during t
		Weather fored There is no chanc minimum tempera 6-7 <sup>o</sup> C. Maximum and minimum may the wind speed of next five days.	cast valid from Novemb e of rainfall during tures for the next relative humidity y from 30-38%. W f 4-6 km per hour Veekly cumulative ces/ Agrice	er, 2014. g the next 5 day. 7 5 days may rang is expected in the ind direction wou c. Clear sky will	<b>r, 2014 To 26</b> The maximum a e for 27-28 <sup>0</sup> C a e range of 98-99 1d be easterly w prevail during to <b>n</b> <b>tural/ animal</b>

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, Guwahati)



	5	KOLASIB	<ul> <li>mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.</li> <li>Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting	AIZAVIL	<ul> <li>Remove water sucker, keep 1or 2 plants in a single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Harvest fruits when the flower tips of the</li> </ul>
Pineapple	Vegetative stage	SERCHHI	<ul> <li>fruit dehiscent.</li> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetative stage		<ul> <li>The seedling should be transplant at 2 leaf stage.</li> <li>Distance should be (50X 70 cm)</li> <li>In case of dry spell use supplementary irrigation.</li> <li>FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha</li> </ul>
		Damping off and LAWI Blight SAIHA	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water</li> <li>2   P a g e</li> </ul>



#### **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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			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	<ul> <li>Weeding near the plant</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Draining of excess water and preparation mound near the base.</li> </ul>
	ζ	Disease: Damping off-	<ul> <li>Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul> <li>✓ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Fruiting stage	AIZAVIL	<ul> <li>Trilling into bower structure.</li> <li>Weeding near the plant</li> <li>Draining of excess water and preparation mound near the base.</li> </ul>
	<i>Y</i>	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul> <li>✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>4 Plough the field 3-4 times.</li> <li>4 Planting distance, plant to plant 45 cm and row to row (60-70) cm</li> <li>4 Application of FYM (1.5-2.0 kg/m<sup>2</sup>)</li> <li>4 Fertilizer application 180:50:50 kg/ha.</li> </ul>
	2	Damping off LUNGLEI Mustard sawfly	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> <li>Application of carbofuran 3G @ 100g/m<sup>2</sup></li> </ul>
Mustard and toria	Sowing	LAWNGTLAU	<ul> <li>in nursery is quite effective.</li> <li>Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.</li> </ul>
		RINA	3   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)



		2	✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul> <li>Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in</li> </ul>
	Į.	4205	the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.
	1	54	✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
	P	Damping off	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
	2	Leaf spot and leaf	<ul> <li>Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.</li> <li>Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Rice	Flowering Stage	MN	<ul><li>One hand weed will require.</li><li>Application of split dose of Urea.</li></ul>
		Rice Stem borer	<ul> <li>Destroy egg masses.</li> <li>Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.</li> </ul>
		Gundhi bugaiha	<ul> <li>Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml</li> <li>Insecticide application should be done if the</li> </ul>
		KN V	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)



		A	population reaches ETL of 1 nymph or adult/ hill.
	5	KOLASIB	<ul> <li>Judicious application of nitrogenous fertilizer.</li> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at $(1-6)$ days of birth and $R_2B$ vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





ICAR RESEARCH COMPLEX FOR NEH REGION

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director		basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	13	Scientist (Agril. Physics)		sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	0	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	-	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)		ratanplantpatho@gmail.com
Dr. L. H. Puii	4	Scientist (Vet. Microbiology)		lpuii@gmail.com
Dr Y. Ramakrishna	÷	Farm manager (T-6)		ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	Si.	Technical Officer		samikchowdhury33@gmail.com
Mr. Evans Syiem	4:1	Meteorological Observer		evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo		mamamralte@yahoo.com
		language Translator)		(

### **Collaborating Department:**

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA



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

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



#### **District:** Mamit

Period: 22- 26, November, 2014

Parameters	22-11-2014	23-11-2014	24-11-2014	25-11-2014	26-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (oC)	28	27	27	28	28
Min Temp (oC)	8	7	7	8	9
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	- 98	98	98	98
Min RH (%)	45	42	45	45	46
Wind Speed (Km)	<b>DH)</b> 2	4	4	4	4
*Wind Direction	E	E	E	Е	E
STATUS OF MON	Northerly- N, Nort Southerly- S, South SOON- August 1-30, 2	-Westerly- <mark>S-W</mark> , W	lesterly-W, North	-westerly- N-W.	
Kolasib- 372.1r			amit-376.0 mm	Aizawl-37	78.0mm
(19.16) Serchhip- 166. (-32.0	mm Lawngtalia	-28.00) 365.4 mm Li (-64.68)	(-20.69) Inglei- 371.4 m (-16.55)	{ ·	33) pui- 367.8 m (-32.04)
Serchhip- 166. (-32.0 Weather sum	7 mm Lawngtalia 4) mary of the past	365.4 mm Li (-64.68)	inglei- 371.4 m (-16.55) ast valid from	m Chhimtui 22 <sup>nd</sup> November	ipui- 367.8 m (-32.04)
Serchhip- 166. (-32.0 Weather sum	7 mm Lawngtalia 4)	365.4 mm Li (-64.68) Weather fored	inglei- 371.4 m (-16.55) ast valid from Novemb	m Chhimtui 22 <sup>nd</sup> November er, 2014.	i <b>pui- 367.8 m</b> i (-32.04) r, 2014 To 26
Serchhip- 166. (-32.0 Weather sum	7 mm Lawngtalia 4) mary of the past	<b>365.4 mm</b> Lu (-64.68) <b>Weather foreo</b> There is no chance and minimum tem and 7-9°C. Maxin 99% and minimum	anglei- 371.4 m (-16.55) cast valid from Novemb e of light rainfall d peratures for the num relative humi n may from 42-46	m Chhimtui 22 <sup>nd</sup> November er, 2014. luring the next 5 d next 5 days may dity is expected i %. Wind direction	<b>ipui- 367.8 mr</b> (- <b>32.04</b> ) <b>r, 2014 To 26</b> ay. The maximu range for 27-28 <sup>6</sup> n the range of 9 would be easter
Serchhip- 166. (-32.0 Weather sum	7 mm Lawngtalia 4) mary of the past	<b>365.4 mm</b> Lu (-64.68) Weather fored There is no chance and minimum terr and 7-9°C. Maxin 99% and minimum with the wind spec	<b>inglei- 371.4 m</b> (-16.55) <b>cast valid from</b> <b>Novemb</b> e of light rainfall d operatures for the num relative humi n may from 42-46 ed of 2-4 km per l	m Chhimtui 22 <sup>nd</sup> November er, 2014. luring the next 5 d next 5 days may dity is expected i %. Wind direction	<b>ipui- 367.8 m</b> (- <b>32.04</b> ) <b>r, 2014 To 26</b> lay. The maximu range for 27-28 n the range of 9 would be easter
Serchhip- 166. (-32.0 Weather sum	7 mm Lawngtalia 4) mary of the past	<b>365.4 mm</b> Lu (-64.68) <b>Weather foreo</b> There is no chance and minimum tem and 7-9°C. Maxin 99% and minimum	<b>inglei- 371.4 m</b> (-16.55) <b>cast valid from</b> <b>Novemb</b> e of light rainfall d operatures for the num relative humi n may from 42-46 ed of 2-4 km per l	m Chhimtui 22 <sup>nd</sup> November er, 2014. luring the next 5 d next 5 days may dity is expected i %. Wind direction	<b>ipui- 367.8 m</b> (- <b>32.04</b> ) <b>r, 2014 To 26</b> lay. The maximu range for 27-28 n the range of 9 would be easter
Serchhip- 166. (-32.0 Weather sum thre	7 mm Lawngtalia 4) mary of the past	<b>365.4 mm</b> Lu (-64.68) <b>Weather fored</b> There is no chance and minimum ten and 7-9°C. Maxin 99% and minimum with the wind spee during the next fiv	<b>inglei- 371.4 m</b> (-16.55) <b>cast valid from</b> <b>Novemb</b> e of light rainfall d operatures for the num relative humi n may from 42-46 ed of 2-4 km per h re days. <b>Veekly cumulative</b>	m Chhimtui 22 <sup>nd</sup> November er, 2014. Auring the next 5 d next 5 days may dity is expected i %. Wind direction hour. Dense cloud	<b>pui- 367.8 m</b> (- <b>32.04</b> ) <b>r, 2014 To 26</b> lay. The maximu range for 27-28 n the range of 9 would be easter dy sky will prev <b>n</b>
Serchhip- 166. (-32.0 Weather sum	7 mm Lawngtalia 4) mary of the past	365.4 mm Lu (-64.68) Weather fored There is no chance and minimum tem and 7-9°C. Maxin 99% and minimum with the wind spee during the next fiv	anglei- 371.4 m (-16.55) cast valid from Novemb e of light rainfall d aperatures for the num relative humi a may from 42-46 ed of 2-4 km per l re days. Veekly cumulative ces/ Agrice	m Chhimtui 22 <sup>nd</sup> November er, 2014. Auring the next 5 d next 5 days may dity is expected i %. Wind direction nour. Dense cloud	<b>ipui- 367.8 m</b> (- <b>32.04</b> ) <b>r, 2014 To 26</b> ay. The maximular range for 27-28 n the range of 9 would be easter dy sky will prev <b>m</b> <b>tural/ animal</b>
Serchhip- 166. (-32.0 Weather sum thre Main Crop/ Animal	7 mm Lawngtalia 4) mary of the past e days	365.4 mm Lu (-64.68) Weather fored There is no chance and minimum tem and 7-9°C. Maxin 99% and minimum with the wind spee during the next fiv	anglei- 371.4 m (-16.55) cast valid from Novemb e of light rainfall d aperatures for the num relative humi a may from 42-46 ed of 2-4 km per h re days. Veekly cumulative ces/ Agrice	m Chhimtui 22 <sup>nd</sup> November er, 2014. luring the next 5 d next 5 days may dity is expected i %. Wind direction nour. Dense cloud prainfall: 00.0 mr ultural / Horticul	<b>ipui- 367.8 m</b> (-32.04) <b>r, 2014 To 26</b> lay. The maximu range for 27-28 n the range of 9 n would be easter dy sky will prev <b>n</b> <b>tural/ animal</b> (sories

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

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



	5	KOLASIB	<ul> <li>mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.</li> <li>Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting	AIZAVIL	<ul> <li>Remove water sucker, keep 1or 2 plants in a single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Harvest fruits when the flower tips of the fruit dehiscent.</li> </ul>
Pineapple	Vegetative stage	SERCHHI	<ul> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> </ul>
Cucurbits	Vegetative stage		<ul> <li>The seedling should be transplant at 2 lear stage.</li> <li>Distance should be (50X 70 cm)</li> <li>In case of dry spell use supplementary irrigation.</li> <li>FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha</li> </ul>
		Damping off and LAWI Blight SAIHA	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water</li> </ul>



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



			at 10-15 DAS are effective.
Brinjal	Fruiting stage		✤ Weeding near the plant
Ŭ			✤ Fertilizer application in split dose of
	11	1 5	recommended dose.
	1 10		<ul> <li>Draining of excess water and preparation</li> </ul>
		KOLASIB	mound near the base.
	1	Disease:	$\checkmark$ Seed treatment with captan, thiram or
	1	Damping off-	chlorothalonil will effectively control this
	<u> </u>		disease.
		Pest:	$\checkmark$ Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		<b>4</b> Trilling into bower structure.
-	J MAMMIT	1	Weeding near the plant
	2	L'AIZAVIL IC	Draining of excess water and preparation
			mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	2	disease	
Early Cole crop	Vegetative stage	Land preparation	✓ Main land preparation for cabbage,
JF			cauliflower, broccoli and knolkhol.
	12		Plough the field 3-4 times
	1	SERCHHI	4 Planting distance, plant to plant 45 cm
		No. Com	and row to row (60-70) cm
	1		Application of FYM $(1.5-2.0 \text{ kg/m}^2)$
			Fertilizer application 180:50:50 kg/ha.
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
		LUNGLEI	Trichoderma viride 4g+ metalaxyl 4g
	5		(Apron)/ kg seed
		2	✓ Drenching 1% Bordeaux mixture or 2 g
	1	$\alpha \qquad \gamma \simeq$	captan or 3 copper oxychloride/ lt of water
		PA	at 10-15 DAS are effective.
		Mustard sawfly	$\checkmark$ Application of carbofuran 3G @ 100g/m <sup>2</sup>
		1 La Y	in nursery is quite effective.
Mustard and	Sowing	Y Y	Seed should be sown in rows 30 cm apart
toria	0	Langer and	by drill or pora. The seed should be placed
		LAWNGTLAV	at 2 to 3 cm denth. In case the moisture in
		C SAIHA	the soil is insufficient, the seed may be
			mixed with moist soil and kept overnight
		1211	for soaking.
L		A NA	
		1 1 1	3   P a g e



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		<ul> <li>✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing</li> </ul>
Pea	Sowing	<ul> <li>✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in</li> </ul>
	KOLASIB	the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.
	1 54	<ul> <li>Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing</li> </ul>
Tomato	Nursery stage IT Land preparation	
	Damping off	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
	Leaf spot and leaf	<ul> <li>Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.</li> <li>Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Rice	Flowering Stage	<ul> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
	Rice Stem borer	<ul> <li>Destroy egg masses.</li> <li>Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.</li> </ul>
	Gundhi bugali	
	PN1	4   P a g e



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		A	population reaches ETL of 1 nymph or adult/ hill.
	5	Leaf blast	<ul> <li>Judicious application of nitrogenous fertilizer.</li> <li>Surgering with triplagele (Baser) @0.5 cm/ld</li> </ul>
			<ul> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
Pig	All stages	Porcine Reproductive	1. Culling of positive pigs or piglets.
	1	Respiratory Syndrome (PRRS).	
	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at $(1-6)$ days of birth and $R_2E$ vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	4	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	Si.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	ζ.:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	÷	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	

#### **Collaborating Department:**

7.1.0			V d
Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA



#### **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: 22- 26, November, 2014

Parameters	22-11-2014	23-11-2014	24-11-2014	25-11-2014	26-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (oC)	28	27	27	27	28
Min Temp (oC)	6	K 4	5	5	5
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100		100	100	100
Min RH (%)	32	25	30	24	27
Wind Speed (Km	<b>pH)</b> 4	6	6	6	6
*Wind Direction	E	E	E	Е	E
STATUS OF MO	Southerly- <mark>S</mark> , South NSOON- August 1-30, 2				
Kolasib- 372.11 (19.16)		329.7mm Ma -28.00)	amit-376.0 mm (-20.69)		7 <mark>8.0mm</mark> 33)
Serchhip- 166. (-32.0	7 mm Lawngtalia- 94)	365.4 mm Lu (-64.68)	inglei- 371.4 m (-16.55)	m Chhimtui	ipui- 367.8 m (-32.04)
(-32.0 Weather sum	94) mary of the past		(-16.55) cast valid from	22 <sup>nd</sup> November	(-32.04)
(-32.0 Weather sum	94)	(-64.68) Weather forec	(-16.55) ast valid from Novemb	22 <sup>nd</sup> November er, 2014.	(-32.04) r, 2014 To 26
(-32.0 Weather sum	94) mary of the past ee days	(-64.68) Weather forec There is no chance minimum tempera 4-6 <sup>o</sup> C. Maximum and minimum may the wind speed of next five days.	(-16.55) cast valid from Novemb e of rainfall during tures for the next relative humidity from 24-32%. W 4-6 km per hour	<b>22<sup>nd</sup> November</b> <b>er, 2014.</b> g the next 5 day. To 5 days may rang is expected in the ind direction would Clear sky will	<b>r, 2014 To 26</b> The maximum a e for 27-28 <sup>0</sup> C a he range of 100 ld be easterly w prevail during t
(-32.0 Weather sum thre	94) mary of the past ee days	(-64.68) Weather forec There is no chance minimum tempera 4-6 <sup>0</sup> C. Maximum and minimum may the wind speed of next five days.	(-16.55) cast valid from Novemb e of rainfall during tures for the next relative humidity from 24-32%. W 4-6 km per hour	<b>22<sup>nd</sup> November</b> er, 2014. g the next 5 day. To 5 days may rang is expected in the ind direction would Clear sky will grainfall: 00.0 mm	(-32.04) <b>r, 2014 To 26</b> The maximum a e for 27-28 <sup>0</sup> C a he range of 100 Id be easterly w prevail during m
(-32.0 Weather sum	94) mary of the past ee days	(-64.68) Weather forect There is no chance minimum tempera 4-6 <sup>0</sup> C. Maximum and minimum may the wind speed of next five days.	(-16.55) ast valid from Novemb e of rainfall during tures for the next relative humidity from 24-32%. W 4-6 km per hour Veekly cumulative ces/ Agric	<b>22<sup>nd</sup> November</b> <b>er, 2014.</b> g the next 5 day. To 5 days may rang is expected in the ind direction would Clear sky will	(-32.04) <b>r, 2014 To 26</b> The maximum a e for 27-28 <sup>o</sup> C a he range of 100 Id be easterly w prevail during the <b>m</b> <b>tural/ animal</b>

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

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



	5	KOLASIB	<ul> <li>mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.</li> <li>Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting	AIZAVIL	<ul> <li>Remove water sucker, keep 1or 2 plants in a single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Harvest fruits when the flower tips of the</li> </ul>
Pineapple	Vegetative stage	SERCHHI	<ul> <li>fruit dehiscent.</li> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetative stage		<ul> <li>The seedling should be transplant at 2 leaf stage.</li> <li>Distance should be (50X 70 cm)</li> <li>In case of dry spell use supplementary irrigation.</li> <li>FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha</li> </ul>
		Damping off and LAW Blight SAIHA	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water</li> <li>2   P a g e</li> </ul>



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

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



Guwahati)

		~	
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	<ul> <li>Weeding near the plant</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Draining of excess water and preparation mound near the base.</li> </ul>
	ζ	Disease: Damping off-	<ul> <li>Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul> <li>✓ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Fruiting stage	AIZAWIL	<ul> <li>Trilling into bower structure.</li> <li>Weeding near the plant</li> <li>Draining of excess water and preparation mound near the base.</li> </ul>
	<pre></pre>	Scab and leaf blight disease	<ul> <li>✓ Use of resistant varieties.</li> </ul>
Early Cole crop	Vegetative stage	Land preparation	<ul> <li>✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>4 Plough the field 3-4 times.</li> <li>4 Planting distance, plant to plant 45 cm and row to row (60-70) cm</li> <li>4 Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>4 Fertilizer application 180:50:50 kg/ha.</li> </ul>
	2	Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
	5	Mustard sawfly	Application of carbofuran 3G @ $100g/m^2$ in nursery is quite effective.
Mustard and toria	Sowing	LAWNGTLAL	<ul> <li>Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.</li> </ul>
		VIZ P	<b>3</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)



		2	✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul> <li>✓ Seed should be sown in rows 30 cm apar by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be</li> </ul>
	}	211	<ul> <li>mixed with moist soil and kept overnigh for soaking.</li> <li>✓ Full amount of phosphorus and potash and</li> </ul>
	1	[ ]	half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
	f	Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
	2	Leaf spot and leaf	<ul> <li>Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-isprayings should be given forthnightly intervals.</li> <li>Spraying of Blitox @ 3 g/l of water wa found effective against leaf spot.</li> </ul>
Rice	Flowering Stage	En	<ul> <li>One hand weed will require.</li> <li>Application of split dose of Urea.</li> </ul>
		Rice Stem borer	<ul> <li>Destroy egg masses.</li> <li>Spraying of monocrotophos 20ml/10lt wate or Imidacloprid 20ml/10lt water.</li> </ul>
		Gundhi bugalha	<ul> <li>Spray monocrotophos 36 WSC @ 1.5 ml/l or endosulfan 35 EC @ 1.5 ml/ml</li> <li>Insecticide application should be done if the</li> </ul>
		KN V	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)



		A	population reaches ETL of 1 nymph or adult/ hill.
	5	Leaf blast	• Judicious application of nitrogenous fertilizer.
			<ul> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R <sub>2</sub> B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





ICAR RESEARCH COMPLEX FOR NEH REGION

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientis <mark>t (Hort.)</mark>	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	6	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	¥.	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	5.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

### **Collaborating Department:**

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



Period: 22 -26, November, 2014

#### **District:** Aizawl

Bulletin No: -46	8/2014/ Bulletin/	English		Dated: 21st Nov	vember, 2014
Parameters	22-11-2014	23-11-2014	24-11-2014	25-11-2014	26-11-2014
Rainfall (mm)	0	KOL9SIB	0	0	0
Max Temp (oC)	28	27	27	28	28
Min Temp (oC)	6	5	6	6	6
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	99		99	99	99
Min RH (%)	39	36	41	39	40
Wind Speed (Km)		4	4	5	5
*Wind Direction	E	E	E	Ē	E
STATUS OF MON	Southerly- S, South SOON- August 1-30, 2				
Kolasib- 372.1r (19.16)		329.7mm M (-28.00)	amit-376.0 mm (-20.69)		78.0mm .33)
	mary of the p <mark>ast</mark> e days	Weather fored	the second se	n 22 <sup>nd</sup> Novembe Der, 2014.	r, 2014 To 26 <sup>4</sup>
		minimum tempera 5-6 <sup>0</sup> C. Maximum minimum may fro wind speed of 3-5 five days.	atures for the nex relative humidity om 36-41%. Wind o km per hour. C Weekly cumulativ	<i>e rainfall:</i> 00.0 m	ge for 27-28 <sup>°</sup> C and the range of 99% and the easterly with the rail during the ne <b>m</b>
Main Crop/ Animal	Stage	Cultural practi Pest/ Diseases		cultural / Horticul husbandry adv	
/Fisheries			AIHA	j	
	Vegetative stage		AIHA.	he diseased and de	
/Fisheries	Vegetative stage	/ s	AIHA • Prune the	-	ad twigs.



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

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



Vegetative/ harvesting ////////////////////////////////////	<ul> <li>recommended dose.</li> <li>Harvest fruits when the flower tips of the fruit dehiscent.</li> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>SERCHH o Sucker dipping treatment with Bavistin @</li> </ul>
harvesting	<ul> <li>single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose or recommended dose.</li> <li>Harvest fruits when the flower tips of the fruit dehiscent.</li> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @</li> </ul>
egetative stage	<ul> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>SERCHH Po Sucker dipping treatment with Bavistin @</li> </ul>
1	3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation.
egetative stage	LUNGLEI The seedling should be transplant at 2 lear stage. Distance should be (50X 70 cm) In case of dry spell use supplementary irrigation. FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
	Damping off and Blight       ✓       Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed         ✓       Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
	egetative stage



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

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



		0	at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul> <li>Weeding near the plant</li> </ul>
Dimju	i i uning stage		<ul> <li>Fertilizer application in split dose of</li> </ul>
	A A	1 3	recommended dose.
	1 A.S.	5	
		KOLASIB	<ul> <li>Draining of excess water and preparation</li> </ul>
			mound near the base.
		Disease:	✓ Seed treatment with captan, thiram or
	6	Damping off-	chlorothalonil will effectively control this
			disease.
	1	Pest:	$\checkmark$ Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
	2		Weeding near the plant
	2	A AIZAWIL IC	<b>Draining of excess water and preparation</b>
			mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	4	disease	
Early Cole crop	Vegetative stage	Land preparation	$\checkmark$ Main land preparation for cabbage,
•			cauliflower, broccoli and knolkhol.
	12		Plough the field 3-4 times.
	5	SERCHHI	Planting distance, plant to plant 45 cm
		No. 1	and row to row (60-70) cm
	1	Sec. 1	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
			Fertilizer application 180:50:50 kg/ha.
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
		LUNGLE	Trichoderma viride 4g+ metalaxyl 4g
	5		(Apron)/ kg seed
		20	✓ Drenching 1% Bordeaux mixture or 2 g
	1	$\alpha \qquad \gamma \sim$	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Mustard sawfly	$\checkmark$ Application of carbofuran 3G @ 100g/m <sup>2</sup>
			in nursery is quite effective.
Mustard and	Sowing		Seed should be sown in rows 30 cm apart
toria	Sound	Construction and Construction of Construction	by drill or pora. The seed should be placed
		LAWNGTLAK	at 2 to 3 cm depth. In case the moisture in
		/ SAIHA	the soil is insufficient, the seed may be
		1	mixed with moist soil and kept overnight
		1 123	for soaking.
		V N J	for souking.
		TO SA P	3   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)



		2	<ul> <li>✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing</li> </ul>
Pea	Sowing	KOLASIB	<ul> <li>✓ Seed should be sown in rows 30 cm apar by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be</li> </ul>
	}	1217	<ul> <li>mixed with moist soil and kept overnigh for soaking.</li> <li>Full amount of phosphorus and potash and</li> </ul>
		1 21	half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
	R	Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
		Leaf spot and leaf	<ul> <li>Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-isprayings should be given forthnightly intervals.</li> <li>Spraying of Blitox @ 3 g/l of water wa found effective against leaf spot.</li> </ul>
Rice	Flowering Stage	(m)	<ul><li>One hand weed will require.</li><li>Application of split dose of Urea.</li></ul>
		Rice Stem borer	<ul> <li>Destroy egg masses.</li> <li>Spraying of monocrotophos 20ml/10lt wate or Imidacloprid 20ml/10lt water.</li> </ul>
		Gundhi bugalha	<ul> <li>Spray monocrotophos 36 WSC @ 1.5 ml/l or endosulfan 35 EC @ 1.5 ml/ml</li> <li>Insecticide application should be done if the</li> </ul>
		PNL P	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)



		A	population reaches ETL of 1 nymph or adult/ hill.
	5	KOLASIB	<ul> <li>Judicious application of nitrogenous fertilizer.</li> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at $(1-6)$ days of birth and $R_2B$ vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





ICAR RESEARCH COMPLEX FOR NEH REGION

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	6	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	¥.	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	\$:,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	$\langle \cdot \rangle$	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

### **Collaborating Department:**

2/11/0	<u> </u>		<u>V</u> 31
Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte		PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA



#### **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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### **District:** Champhai

Period: 22 - 26, November, 2014

	100 C	100			
Parameters	22-11-2014	23-11-2014	24-11-2014	25-11-2014	26-11-2014
Rainfall (mm)	0	0 Ocean	0	0	0
Max Temp (oC)	27	26	26	26	27
Min Temp (oC)	7	7	7	7	7
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	40	36	46	39	39
Wind Speed (Km	<b>pH)</b> 4	) 4	4	4	5
*Wind Direction	S-E Northerly- N, Nort	E	S-E	S-E	S-E
STATUS OF MOI	Southerly- <mark>S, Sout</mark> l NSOON- August 1-30, 2				
Kolasib- 372.1 (19.16)		329.7mm M (-28.00)	amit-376.0 mm (-20.69)		(8.0mm 33)
Serchhip- 166. (-32.0	7 mm Lawngtalia 94)	- 365.4 mm s Li (-64.68)	unglei- 371.4 m (-16.55)	m Chhimtui	ipui- 367.8 m (-32.04)
(-32.0 Weather sum		(-64.68) Weather fore	(-16.55) cast valid from Novemb	22 <sup>nd</sup> November er, 2014.	r, 2014 To 26
(-32.0 Weather sum	94) mary of the past	(-64.68) Weather fore There is no chanc minimum tempera 7°C. Maximum re minimum may fr with the wind spe next five days.	(-16.55) cast valid from Novemb e of rainfall during atures for the next elative humidity is om 39-46%. Win ed of 4 km per hor	22 <sup>nd</sup> November er, 2014. g the next 5 day. 7 5 days may rang expected in the r d direction would ar. Clear sky will	(-32.04) <b>r, 2014 To 26</b> The maximum a e for 26-27 <sup>0</sup> C a ange of 100% a d be southeaste prevail during t
(-32.0 Weather sum	94) mary of the past	(-64.68) Weather force There is no chanc minimum tempera 7°C. Maximum re minimum may fr with the wind spe next five days. Cultural practi Pest/Disease	(-16.55) cast valid from Novemb e of rainfall during atures for the next elative humidity is om 39-46%. Win ed of 4 km per hou Weekly cumulative ces/ Agric	22 <sup>nd</sup> November er, 2014. g the next 5 day. 7 5 days may rang expected in the r d direction would ar. Clear sky will	(-32.04) <b>r, 2014 To 26</b> The maximum a e for 26-27 <sup>0</sup> C a ange of 100% a d be southeaste prevail during t <b>m</b> <b>tural/ animal</b>



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

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



	2	KOLASIB	<ul> <li>mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.</li> <li>Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting	AIZAVIL	<ul> <li>Remove water sucker, keep 1or 2 plants in a single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Harvest fruits when the flower tips of the</li> </ul>
Pineapple	Vegetative stage	SERCHHI	<ul> <li>fruit dehiscent.</li> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetative stage		<ul> <li>The seedling should be transplant at 2 leaf stage.</li> <li>Distance should be (50X 70 cm)</li> <li>In case of dry spell use supplementary irrigation.</li> <li>FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha</li> </ul>
		Damping off and LAWINBlight SAIHA	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



		A	at 10-15 DAS are effective.
Brinjal	Fruiting stage		✤ Weeding near the plant
			✤ Fertilizer application in split dose of
	1 1	1 5	recommended dose.
	1 12		<ul> <li>Draining of excess water and preparation</li> </ul>
		KOLASIB	mound near the base.
	1	Disease:	$\checkmark$ Seed treatment with captan, thiram or
	1	Damping off-	chlorothalonil will effectively control this
	>		disease.
	1	Pest:	$\checkmark$ Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
	1 merina r	1	Weeding near the plant
	2	A ATZAWIL 10	Draining of excess water and preparation
			mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	4	disease	
Early Cole crop	Vegetative stage	Land preparation	$\checkmark$ Main land preparation for cabbage,
	1.1		cauliflower, broccoli and knolkhol.
	0	SERCHH	Plough the field 3-4 times.
		(~~)	Planting distance, plant to plant 45 cm
			and row to row (60-70) cm
	3		Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
			🚽 🖶 Fertilizer application 180:50:50 kg/ha.
		Damping off	Seed treatment with thiram 3g/kg seed or
		LUNGLEI	Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
		~~ ~~	✓ Drenching 1% Bordeaux mixture or 2 g
		A NOT	captan or 3 copper oxychloride/ lt of water
		2	at 10-15 DAS are effective.
		Mustard sawfly	• Application of carbofuran 3G @ $100g/m^2$
		1 LI Y	in nursery is quite effective.
Mustard and	Sowing		✓ Seed should be sown in rows 30 cm apart
toria		LAWNGTLAL	by drill or pora. The seed should be placed
		SAIHA	at 2 to 3 cm depth. In case the moisture in
		Alla (	the soil is insufficient, the seed may be
			mixed with moist soil and kept overnight
		A R I	for soaking.
		K K P	<b>3</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)



		2	✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul> <li>✓ Seed should be sown in rows 30 cm apar by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be</li> </ul>
	}	222	<ul> <li>mixed with moist soil and kept overnigh for soaking.</li> <li>✓ Full amount of phosphorus and potash and</li> </ul>
	1	[ ]	half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m<sup>2</sup>)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
	f	Damping off	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
	2	Leaf spot and leaf	<ul> <li>Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-isprayings should be given forthnightly intervals.</li> <li>Spraying of Blitox @ 3 g/l of water wa found effective against leaf spot.</li> </ul>
Rice	Flowering Stage	(m)	<ul><li>One hand weed will require.</li><li>Application of split dose of Urea.</li></ul>
		Rice Stem borer	<ul> <li>Destroy egg masses.</li> <li>Spraying of monocrotophos 20ml/10lt wate or Imidacloprid 20ml/10lt water.</li> </ul>
		Gundhi bugalha	<ul> <li>Spray monocrotophos 36 WSC @ 1.5 ml/l or endosulfan 35 EC @ 1.5 ml/ml</li> <li>Insecticide application should be done if the</li> </ul>
		PN P	4   P a g e



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

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		A	population reaches ETL of 1 nymph or adult/ hill.
	5	KOLASIB	<ul> <li>Judicious application of nitrogenous fertilizer.</li> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and $R_2B$ vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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ICAR RESEARCH COMPLEX FOR NEH REGION

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



### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	13	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	- f	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	ŀ	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	Si.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	( : <sup>1</sup>	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	N:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

### **Collaborating Department:**

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA

6 | 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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#### **District:** Chhimtuipui

Period: 22 - 26, November, 2014

	12 Sec. 19 March 19 M				
Parameters	22-11-2014	23-11-2014	24-11-2014	25-11-2014	26-11-2014
Rainfall (mm)	0	0.00	0	0	0
Max Temp (oC)	28	27	27	28	28
Min Temp (oC)	7	5	6	6	7
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	99	100
Min RH (%)	35	27	26	23	29
Wind Speed (Km	<b>pH</b> ) 2	6	7	7	7
Wind Direction	E	E	E	E	E
STATUS OF MON	Southerly- <mark>S</mark> , South NSOON- August 1-30, 2				
Kolasib- 372.1ı (19.16)		329.7mm M -28.00)	amit-376.0 mm (-20.69)		7 <mark>8.0mm</mark> 33)
Serchhip- 166. (-32.0	7 mm Lawngtalia 4)	365.4 mm s Lu (-64.68)	-	{	·
(-32.0 Weather sum		(-64.68)	inglei- 371.4 m (-16.55)	m Chhimtui 22 <sup>nd</sup> November	ipui- 367.8 mi (-32.04)
(-32.0 Weather sum	4) mary of the p <mark>ast</mark>	(-64.68) Weather fored There is no chance and minimum tem and 5-7°C. Maxin 100% and minim easterly with the v during the next fiv	<b>inglei- 371.4 m</b> (-16.55) <b>cast valid from</b> <b>Novemb</b> e of light rainfall of peratures for the num relative huminum may from 2 vind speed of 2-7 re days.	m Chhimtui 22 <sup>nd</sup> November er, 2014. Auring the next 5 d next 5 days may dity is expected i 23-35%. Wind di km per hour. Cle	<b>ipui- 367.8 m</b> (-32.04) <b>r, 2014 To 26</b> lay. The maximu range for 27-28 n the range of 9 rection would ear sky will prev
(-32.0 Weather sum	4) mary of the p <mark>ast</mark>	(-64.68) Weather fored There is no chance and minimum ten and 5-7°C. Maxin 100% and minim easterly with the v during the next fiv V Cultural praction Pest/ Disease	anglei- 371.4 m (-16.55) cast valid from Novemb e of light rainfall of operatures for the num relative huminum num may from 2 vind speed of 2-7 re days. Veekly cumulative ces/ Agric	m Chhimtui 22 <sup>nd</sup> November er, 2014. luring the next 5 d next 5 days may dity is expected i 23-35%. Wind di	ipui- 367.8 m (-32.04) r, 2014 To 26 lay. The maximurange for 27-28 n the range of 9 rection would ear sky will prev m tural/ animal



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

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	5	KOLASIB	<ul> <li>mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.</li> <li>Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting	AIZAVIL	<ul> <li>Remove water sucker, keep 1or 2 plants in a single place.</li> <li>Remove sword sucker and use it as new planting material.</li> <li>Excess water removes from the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Harvest fruits when the flower tips of the</li> </ul>
Pineapple	Vegetative stage	SERCHHI	<ul> <li>fruit dehiscent.</li> <li>Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>Remove slips and use it as a new planting material.</li> <li>Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetative stage		<ul> <li>The seedling should be transplant at 2 lea stage.</li> <li>Distance should be (50X 70 cm)</li> <li>In case of dry spell use supplementary irrigation.</li> <li>FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha</li> </ul>
		Damping off and AWABlight SAIHA	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water</li> </ul>
		N K N	2   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)



		0	at 10-15 DAS are effective.
Brinjal	Fruiting stage		✤ Weeding near the plant
Ŭ			✤ Fertilizer application in split dose of
	11	1 5	recommended dose.
	1 10		<ul> <li>Draining of excess water and preparation</li> </ul>
		KOLASIB	mound near the base.
	1	Disease:	$\checkmark$ Seed treatment with captan, thiram or
	1	Damping off-	chlorothalonil will effectively control this
	5		disease.
	1	Pest:	$\checkmark$ Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		<b>4</b> Trilling into bower structure.
	J MAMIT		Weeding near the plant
	2	L'AIZAVIL IC	Draining of excess water and preparation
			mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Land preparation	✓ Main land preparation for cabbage,
F			cauliflower, broccoli and knolkhol.
	12		Plough the field 3-4 times
	1	SERCHHI	4 Planting distance, plant to plant 45 cm
		N. Lag	and row to row (60-70) cm
	1		Application of FYM $(1.5-2.0 \text{ kg/m}^2)$
			Fertilizer application 180:50:50 kg/ha.
		Damping off	$\checkmark$ Seed treatment with thiram 3g/kg seed or
		LUNGLEI	Trichoderma viride 4g+ metalaxyl 4g
	5		(Apron)/ kg seed
		2	Drenching 1% Bordeaux mixture or 2 g
	2	$\alpha \qquad \gamma \sim$	captan or 3 copper oxychloride/ lt of water
		PN 1	at 10-15 DAS are effective.
		Mustard sawfly	• Application of carbofuran 3G @ $100g/m^2$
		1 LAY	in nursery is quite effective.
Mustard and	Sowing	A Y I	Seed should be sown in rows 30 cm apart
toria	C	I AMAZET ALS	by drill or pora. The seed should be placed
		LAWNGTLAUS	at 2 to 3 cm depth. In case the moisture in
		( SAIHA	the soil is insufficient, the seed may be
		1211	for soaking.
·		K 1 X 1 X	Ŭ
			3   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)



		$\bigwedge$	<ul> <li>✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing</li> </ul>
Pea	Sowing	1 5	$\checkmark$ Seed should be sown in rows 30 cm apart
		5	by drill or pora. The seed should be placed
		KOLASIB	at 2 to 3 cm depth. In case the moisture in
	(		the soil is insufficient, the seed may be
	1	W 2 2 1	mixed with moist soil and kept overnight
	5		for soaking.
		5 5 1	✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied
		$\rightarrow$	half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul> <li>Nursery preparation for tomato.</li> </ul>
TUIIatu	Tursery stage		4 Paised had nursery had colorisation
	30	( AIZAWIL )	Bed should be 1m width and
		1	conventional length.
	1	5	Application of FYM (1.5-2.0 kg/ $m^2$ )
	1	1 555	Line sowing of seeds (7-10cm)
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
	3.2		Trichoderma viride 4g+ metalaxyl 4g
		SERCHHI	P (Apron)/kg seed
		V~ L	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Leaf spot and leaf	Spraying Dithane M-45 @ 2.5g/litre of
		LUNG blotch	water or Bavistin @ 1g/litre of water, 2-3
	5		sprayings should be given forthnightly
		S.	intervals. • Spraying of Blitox @ 3 g/l of water was
		A Y	found effective against leaf spot.
Rice	Flowering Stage	P	✓ One hand weed will require.
Inte	i lowering Stage	1755	✓ Application of split dose of Urea.
		Rice Stem borer	<ul> <li>Destroy egg masses.</li> </ul>
			• Spraying of monocrotophos 20ml/10lt water
		LAWNGTLAN	or Imidacloprid 20ml/10lt water.
		Gundhi bugalita	Spray monocrotophos 36 WSC @ 1.5 ml/lt
			or endosulfan 35 EC @ 1.5 ml/ml
		f and f	<ul> <li>Insecticide application should be done if the</li> </ul>
		PN S	
			4   P a g e



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



		A	population reaches ETL of 1 nymph or adult/ hill.
	5	KOLASIB	<ul> <li>Judicious application of nitrogenous fertilizer.</li> <li>Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.</li> </ul>
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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at $(1-6)$ days of birth and R <sub>2</sub> B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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ICAR RESEARCH COMPLEX FOR NEH REGION

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



### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	13	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	4	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	Si.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	4:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	

### **Collaborating Department:**

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL SAIHA

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