

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: 11 - 15, February, 2015

Bulletin No: -491/2015/ Bulletin/English

Date of issue: 10th February, 2015

Parameters	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
Rainfall (mm)	0	KOIO SID	0	0	0
Max Temp (oC)	26	25	26	25	25
Min Temp (oC)	6	8	5	5	5
Cloud Coverage	Partially clear	Mainly clear	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	94	82	87	70	84
Min RH (%)	25	19	18	20	19
Wind Speed (KmpH)	4	3	4	4	3
*Wind Direction	S E	E	S-E	S-E	S-E

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

STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm)

(0.00mm)

Kolasib- 0.00 mm (0.00mm)

Serchhip-0.00mm

Serchhip-0.00mm

Serchhip-0.00mm

Serchhip-0.00mm

(0.00mm)

(0.00mm)

(0.00mm)

(0.00mm)

Weather summary of the past three days Weather forecast valid from 11th February, 2015 To 15th SERCHHIP February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 5-8°C. Maximum relative humidity is expected in the range of 70-94% and minimum may from 18-25%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Partially cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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			• Excess water removes from the base of the plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	1	single place. ✓ Remove sword sucker and use it as new
		KOLASIB	planting material. ✓ Provide irrigation to the base.
)	Ws)	✓ Fertilizer application in split dose of
	>		recommended dose. ✓ Harvest fruits when the flower tips of the
	1	3 2	fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	/ MAMIT	1	loosen up the soil.
	3	AIZAWL C	• Remove slips and use it as a new planting material.
	\	<i>j</i>	o Sucker dipping treatment with Bavistin @
	Ž.	3	3g + Chloropyriphos @ 1 g/lt of water to
) .	V 3 5	protect against soil borne disease and insect.
))		Weeding and intercultural operation.
		SERCHHI	
Cucurbits	Vegetative stage	V	Land is ploughed to a fine tilth and pits of
	3	<u></u>	60 cm diameter and 30-45cm depth are
	1		made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		DUNEY EL	pumpkin, bottle gourd cucumber
	>	LUNGLEI	respectively. Well rotten FYM should be
	1	0	applied in pits and filled with top soil up to
	-	A (~	3/4th height and 2-3 seeds will be sown in
		2	each pit. In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		1 2	below soil at a spacing of 3.5 x 2.0 m.
			*Polythene nursery raising can be done/
		LAWNGTLAL PARTIES	initiate
		Damping off and IA Blight	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		Diigiit	(Apron)/ kg seed
	J.	100	

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			✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	 Weeding near the plant
		T	❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			❖ Provide irrigation in the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
			disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	1	AIZAVIL C	 Weeding near the plant
			♣ Draining of excess water and preparation
			mound near the base.
	1	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	12		in card formation stage.
		SERCHHI	
		VI L	Weeding near the plant.
	S	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	5	- Indicate Parity	captan or 3 copper oxychloride/ lt of water
	27	Coc.	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		3	in nursery is quite effective.
Mustard and	Flowering stage	901	• Weeding in the toria plot.
toria			 Provide irrigation in the field.
			• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLA	✓ Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aph id	o In case of aphid infestation apply
		(car)	Imidachloprid 1.5ml/lt of water.

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Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
		A CONTRACTOR	recommended dose.
	7.7	/a 3	 Provide irrigation to the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	- t		(Apron)/ kg seed
)	(AA)	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	(at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	5	AIZAWL C	intervals.
		N. Committee	o Spraying of Blitox @ 3 g/l of water was
		1	Touliu effective against leaf spot.
Rice	Harvesting stage	3 8 6	✓ Harvest rice crop
	\	1 3 1	✓ Cut residue 20 cm from the base.
	A (✓ Open the furrow with the help of furrow
	1/	ocnoun	opener. ✓ Place FYM and fertilizer.
		SEKCHHI	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	Culling of positive pigs or piglets.
I ig	All stages	Reproductive	1. Culling of positive pigs of piglets.
		Respiratory	1
		Syndrome (PRRS).	\$
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Tamas Sungs	211222	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			❖ Primary vaccination 6 month or above
		-1	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
,	2. 2. 7. 2. 2. 3	LAWNGTLAL	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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LAWNGTLAL

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District: Champhai Period: 11 - 15, February, 2015

Bulletin No: -491/2015/ Bulletin/English

Date of issue: 10th February, 2015

Parameters	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
Rainfall (mm)	0	MA O A CITA	0	0	0
Max Temp (oC)	26	26	26	24	25
Min Temp (oC)	7	9	7	6	5
Cloud Coverage	Partially clear	Par <mark>tially clear</mark>	Clear sky	Clear sky	Clear sky
Max RH (%)	94	72	85	75	84
Min RH (%)	25	21	19	22	21
Wind Speed (KmpH)	4	5	5	5	4
*Wind Direction	5-E	S-E	S	S-E	S-E

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

STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis)

(0.00mm)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm)

(0.00mm)

Kolasib- 0.00 mm (0.00mm)

Serchhip-0.00mm (0.00mm)

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Serchhip-0.00mm

Serchhip-0.00mm (0.00mm)

Weather summary of the past three days Weather forecast valid from 11th February, 2015 To 15th February, 2015.

(0.00mm)

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26°C and 5-9°C. Maximum relative humidity is expected in the range of 72-94% and minimum may from 19-25%. Wind direction would be southeasterly with the wind speed of 4-5 km per hour. Partially cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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			• Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		✓ Remove water sucker, keep 1 or 2 plants in a single place.
	nai vesting	KOLASIB	✓ Remove sword sucker and use it as new planting material.
	4	NOLROID C	✓ Provide irrigation in the base.
	ζ	21/	Fertilizer application in split dose of recommended dose.
	1	8 5	✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	{	AIZAVIL	Remove slips and use it as a new planting material.
	\	(o Sucker dipping treatment with Bavistin @
	1	1 50	3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and
	35		insect.Weeding and intercultural operation.
		SERCHHI	8 1
Cucurbits	Vegetative stage	V- L-1	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are
	7		made at a spacing of 2.0-2.5x 2.0-2.5 m,
	(THE RESERVE TO SERVE THE PROPERTY OF THE PROPE	2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber
	7	LUNGLEI	respectively. Well rotten FYM should be
	1	~	applied in pits and filled with top soil up to
	7	a (~	3/4th height and 2-3 seeds will be sown in
		2	each pit. In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		1 2 7	below soil at a spacing of 3.5 x 2.0 m.
		LAWNGTLAL	Polythene nursery raising can be done/initiate
		Damping off and	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		I f	(Apron)/ kg seed

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
D ' ' ' 1	E 41		at 10-15 DAS are effective.
Brinjal	Fruiting stage	J 8	 Weeding near the plant Fortilizer application in aplit does of
		Vi managaran	❖ Fertilizer application in split dose of recommended dose.
		KOLASIB	
		Disease:	Provide irrigation in the field.Seed treatment with captan, thiram or
	1		chlorothalonil will effectively control this
	γ	Damping off-	disease.
		Pest:	
			o Sulfur fungicides can be used to control
Correso	Emilia didelele	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	\	Trilling into bower structure.
	3	& AIZAVIL C	Weeding near the plant
			Draining of excess water and preparation mound near the base.
		Cook and loof blight	
	4	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	❖ Application of Nitrogenous fertilizer urea
_			in card formation stage.
		SERCHHI	❖ Provide irrigation in the plant.
		V	Weeding near the plant.
	L.	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1	LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	/	THE CONTRACTOR OF THE CONTRACT	captan or 3 copper oxychloride/ lt of water
		Co.	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	9 0	• Weeding in the toria plot.
toria			o Provide irrigation in the field.
		1 2	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		f	Imidachloprid 1.5ml/lt of water.
		CALL TO ST	H = -3

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			❖ Fertilizer application in split dose of
		The state of	recommended dose.
	()	7	Provide irrigation in the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	Į.		(Apron)/ kg seed
)	WA)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	1	Carried Land	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	Ł.	blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	5	& AIZAWL TO	intervals.
			o Spraying of Blitox @ 3 g/l of water was
		1	found effective against leaf spot.
Rice	Harvesting stage	3	✓ Harvest rice crop
			✓ Cut residue 20 cm from the base.
	1		Open the furrow with the help of furrow
		SERCHHI	opener. ✓ Place FYM and fertilizer.
		O SERCHINI	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	Culling of positive pigs or piglets.
1 Ig	All stages	Reproductive	1. Culling of positive pigs of pigiets.
	J.	Respiratory	4
		Syndrome (PRRS).	<u>S</u>
	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	• FMD vaccine at 16 week and repeat every 6
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			Primary vaccination 6 month or above
		1 2	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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LAWNGTLAL

SAIHA

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Min Temp (oC)	9	10	8	8	6
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Min RH (%)	21	17	15	21	20
Wind Speed (KmpH)	4	4	5	4	4
*Wind Direction	E	E	E	E	E

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

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(0.00mm) (0.00mm)

Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm) (0.00mm) (0.00mm)

Weather summary of the past

(0.00mm)

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three days

There is no change of light rainfall during the

There is no chance of light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-28°C and 6-10°C. Maximum relative humidity is expected in the range of 59-73% and minimum may from 15-21%. Wind direction would be easterly with the wind speed of 4-5 km per hour. Partially cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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		A	• Excess water removes from the base of the plant.
Banana	Vegetative/	file and the second	✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	/	single place.
		1	✓ Remove sword sucker and use it as new
		KOLASIB	planting material.
	1	NOLKOID	Provide irrigation to the base of the plant.
		10	✓ Fertilizer application in split dose o
	(3 1	recommended dose.
	7		✓ Harvest fruits when the flower tips of the
	1	2 6	fruit dehiscent.
Pineapple	Vegetative stage	7	 Clean the vicinity of plants by weeding and
т шеарріс	MAMIT		loosen up the soil.
	2 111111111	(A)	o Remove slips and use it as a new planting
	1	AIZAWL C	material.
			Sucker dipping treatment with Bavistin @
	1	1 3	3g + Chloropyriphos @ 1 g/lt of water to
	4		protect against soil borne disease and
) &		insect.
	A 5		 Weeding and intercultural operation.
		SERCHHI	
Cucurbits	Vegetative stage	1/~	Land is ploughed to a fine tilth and pits o
Cucui bits	vegetative stage		60 cm diameter and 30-45cm depth are
	7		made at a spacing of 2.0-2.5x 2.0-2.5 m
	1		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m fo
		UVALUES EX	pumpkin, bottle gourd cucumbe
		LUNGLEI	respectively. Well rotten FYM should be
	1		applied in pits and filled with top soil up to
	1	A 850	3/4th height and 2-3 seeds will be sown in
			each pit.
	1		☐ In case of chow-chow, fruit are planted. ☐ In the choracter of the cho
			with broad end downwards, 2/3rd portion
		1 55 4	below soil at a spacing of 3.5 x 2.0 m.
			♣ Polythene nursery raising can be done
		LAWNGTLAN	initiate
		Damping off and A	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		1 2	(krom), mg outu

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			Provide irrigation to the plant.
)	Disease:	 Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
			disease.
	1	Pest:	 Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
_	ζ.	AIZAVVL	Weeding near the plant
		C MICHAIL	♣ Draining of excess water and preparation
	1	j)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
_	3.7	L	in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V	Weeding near the plant.
	<u></u>	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		. 0	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	//	LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
		ESTRUCEL	captan or 3 copper oxychloride/ lt of water
	1	~	at 10-15 DAS are effective.
	-	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	A A	Weeding in the toria plot.
toria	8 8		o Provide irrigation to the field.
) ~)	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAND	✓ Weeding to the pea plot.
	8 8 -	∫ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
		7 1	

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



Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
		A CONTRACTOR	recommended dose.
	7.7	1	 Provide irrigation in the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	- t		(Apron)/ kg seed
)	(A)	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	(Version L	at 10-15 DAS are effective.
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	5	AIZAWL C	intervals.
		A	o Spraying of Blitox @ 3 g/l of water was
			Toutiu effective against leaf spot.
Rice	Harvesting stage	3 86	✓ Harvest rice crop
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 3 15	✓ Cut residue 20 cm from the base.
			✓ Open the furrow with the help of furrow
	1.2	00000000	opener.
		SERCHHI	Place FYM and fertilizer.
D: a	All stores	Porcine	✓ Place the seed and cover by soil.1. Culling of positive pigs or piglets.
Pig	All stages	Reproductive	1. Culling of positive pigs of piglets.
		Respiratory	
		Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Tiddie Stage	Dwine icver.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	in age group	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	Tours suge	(DV)	❖ Primary vaccination 6 month or above
		1 2	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
J		LAWNGTLAL	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	zazy suge	COCCIONIO	

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 11 - 15, February, 2015

Bulletin No: -491/2015/ Bulletin/English

Date of issue: 10th February, 2015

Parameters	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
Rainfall (mm)	0	WAO Kein	0	0	0
Max Temp (oC)	27	27	27	26	26
Min Temp (oC)	7	8	6	5	6
Cloud Coverage	Mainly clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	95	85	85	62	80
Min RH (%)	26	19	18	19	19
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	S-E	S-E	E

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

STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm) (0.00mm)

Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm

(0.00mm) (0.00mm) (0.00mm)

Weather summary of the past three days

The temperature range for maximum and minimum were 25.1-26.1°C and 14.6-15.6°C respectively. Clear sky was observed. Wind direction is easterly. Maximum RH observed 60-62% & minimum of 25-30%. Rainfall recorded for the past three days is

00.0mm.

Weather forecast valid from 11th February, 2015 To 15th SERCHHIP February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 26-27°C and 5-8°C. Maximum relative humidity is expected in the range of 62-95% and minimum may from 18-26%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Partially cloudy will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural / animal husbandry advisories
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAL	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.
		1 2 1 5	• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			• Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB	 ✓ Remove water sucker, keep 1 or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to the base of the plant.
	}		 ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	AIZAWL	 Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material.
	2	SERCHHI	 Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation. Provide irrigation to the plant.
Cucurbits	Vegetative stage	LUNGLEI	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber
	}	A C	respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted
		LAWNGTLAN	with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/initiate
		Damping off and IA Blight	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		A 222	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	❖ Weeding near the plant
	1		❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	- 1	1.	❖ Provide irrigation to the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		5500 L	disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAVIL C	Weeding near the plant.
	1	A contract of	♣ Draining of excess water and preparation
)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	1.1		in card formation stage.
		SERCHHI	Provide irrigation to the plant.
		V Lag	Weeding near the plant.
	\ \\	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	3	and vertically	captan or 3 copper oxychloride/ lt of water
	2 7	60	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	1		in nursery is quite effective.
Mustard and	Flowering stage	190	Weeding in the toria plot.
toria			o Provide irrigation in the field.
			o Top dressing with urea if available or apply
		1	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		F SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		Carl I	Imidachloprid 1.5ml/lt of water.
		The state of the s	

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Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant				
			❖ Fertilizer application in split dose of				
		A CONTRACTOR	recommended dose.				
	7.7	/a 3	 Provide irrigation to the plant. 				
	1 1	Damping off ✓ Seed treatment with thiram 3g/kg seed or					
		Trichoderma viride 4g+ metalaxyl 4g					
	Į.,	(Apron)/ kg seed					
)	(AA)	✓ Drenching 1% Bordeaux mixture or 2 g				
	5	2 1	captan or 3 copper oxychloride/ lt of water				
	J.		at 10-15 DAS are effective.				
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of				
		blotch	water or Bavistin @ 1g/litre of water, 2-3				
	7 MAMIT	1	sprayings should be given forthnightly				
	5	AIZAWL C	intervals.				
		N. Committee	o Spraying of Blitox @ 3 g/l of water was				
		1	Touliu effective against leaf spot.				
Rice	Harvesting stage	✓ Harvest rice crop					
	\	1 3 1	✓ Cut residue 20 cm from the base.				
	1		✓ Open the furrow with the help of furrow				
		ecneuu	opener. ✓ Place FYM and fertilizer.				
		SEKCHHI	✓ Place the seed and cover by soil.				
Pig	All stages	Porcine 1. Culling of positive pigs or piglets.					
1 ig	All stages	Reproductive 1. Culling of positive pigs of pigicis.					
		Respiratory	10				
		Syndrome (PRRS).	2				
	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)	month.				
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).				
			❖ Primary vaccination 6 month or above				
		Revaccination annually					
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B				
		LAWNGTLAN	vaccine for adult birds.				
	Early stage	Coccidiosis	Amprolium or coccidiostat				
Poultry	Adult stage	Black Quarter (BQ) Ranikhet Disease.	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually F1 vaccine at (1-6) days of birth and R₂ vaccine for adult birds. 				

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtalai Period: 11 - 15, February, 2015

Bulletin No: -491/2015/ Bulletin/English

Date of issue: 10th February, 2015

Parameters	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
Rainfall (mm)	0	WAIO COL	0	0	0
Max Temp (oC)	29	28	28	27	27
Min Temp (oC)	10	JA 11	9	9	7
Cloud Coverage	Partially clear	M <mark>ainly clear</mark>	Clear sky	Clear sky	Clear sky
Max RH (%)	61	57	61	64	73
Min RH (%)	21	17	16	20	19
Wind Speed (KmpH)	5	6	5	5	4
*Wind Direction	S E AAAT	E	N-E	N-E	E

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

STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm

Champhai- 0.00 mm

Mamit-0.00 mm

Aizawl-0.00 mm

(0.00mm) Serchhip-0.00mm (0.00mm)

(0.00mm) Lunglei-0.00mm (0.00mm) Chhimtuipui-0.00mm

(0.00mm)

N/-:-- C----/

Lawngtalia-0.00mm (0.00mm)

(0.00mm)

(0.00mm)

Weather summary of the past three days Weather forecast valid from 11th February, 2015 To 15th February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 27-29°C and 7-11°C. Maximum relative humidity is expected in the range of 57-73% and minimum may from 16-21%. Wind direction would be northeasterly with the wind speed of 4-6 km per hour. Partially cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Pest/ Diseases	Agricultural / Horticultural / animal husbandry advisories
Khasi	Vegetative stage	Canker	• Prune the diseased and dead twigs.
Mandarin		LAWNGTLAL	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.
		12/10/10	• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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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)



		A	• Excess water removes from the base of plant.	the
Banana	Vegetative/	file and the second	✓ Remove water sucker, keep 1 or 2 plants	in a
	harvesting	/	single place.	
		1	✓ Remove sword sucker and use it as a	new
		KOLASIB	planting material.	
		NOLASIB L	Provide irrigation to the base of the plant	
		1	✓ Fertilizer application in split dose	
	(3 4 /	recommended dose.	OI
	7		✓ Harvest fruits when the flower tips of	the
	1	2	fruit dehiscent.	tiic
Pineapple	Vegetative stage)	o Clean the vicinity of plants by weeding	and
1 incappie	MAMIT		loosen up the soil.	and
	A Marketon	}{		tina
	3	AIZAWL C	o Remove slips and use it as a new plant material.	ung
		7	C 1 11 1 4 4 4 14 D 141	. @
	1	(3	3g + Chloropyriphos @ 1 g/lt of water	
	1		protect against soil borne disease	
	1		insect.	anu
	A 5			
	12	echemni	Weeding and intercultural operation. Provide imjection to the plant.	
Cl-:4	¥74-4:4	SERCHHI		-
Cucurbits	Vegetative stage	100	Land is ploughed to a fine tilth and pits	
	7		60 cm diameter and 30-45cm depth	
			made at a spacing of 2.0-2.5x 2.0-2.5 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m	
			N. C.	
		LUNGLEI	pumpkin, bottle gourd cucum	
	3		respectively. Well rotten FYM should	
	V	23	applied in pits and filled with top soil up	-
		A T	3/4th height and 2-3 seeds will be sown	a m
	11		each pit.	. 4 1
		100	In case of chow-chow, fruit are plan	
		1 63 4	with broad end downwards, 2/3rd por	HOII
		Y Y	below soil at a spacing of 3.5 x 2.0 m.	/
		1.0000000000000000000000000000000000000	Polythene nursery raising can be do	me/
		LAWNGTLAV	initiate	
		Damping off and A	✓ Seed treatment with thiram 3g/kg seed of	r
		Blig ht	Trichoderma viride 4g+ metalaxyl 4g	
			(Apron)/ kg seed	

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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)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
-			at 10-15 DAS are effective.
Brinjal	Fruiting stage	1	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
		Di C	❖ Provide irrigation to the plant.
	7	Disease:	o Seed treatment with captan, thiram or
	>	Damping off-	chlorothalonil will effectively control this
	<u> </u>	7 P 6	disease.
	(**	Pest:	o Sulfur fungicides can be used to control
	E 44 3 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	4	Trilling into bower structure.
	3	AIZAWL 10	Weeding near the plant
			■ Draining of excess water and preparation
		C	mound near the base.
	1	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	❖ Application of Nitrogenous fertilizer urea
	12		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V Lag	• Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
	3		captan or 3 copper oxychloride/ lt of water
		1 1 1	at 10-15 DAS are effective.
		Mustard sawfly	Application of carbofuran 3G @ 100g/m ²
36 4 3 3	T21	2	in nursery is quite effective.
Mustard and	Flowering stage	777	Weeding in the toria plot.Provide irrigation in the field.
toria		1 53 4	8
			o Top dressing with urea if available or apply
Dog	Flowering Stage	LAWNGTLAL	cow dung.
Pea	riowering stage	SAIHA	✓ Weeding in the pea plot.✓ Provide irrigation in the field.
		Aphid	
		Apina	o In case of aphid infestation apply Imidachloprid 1.5ml/lt of water.
		E) [- initiacinopria 1.5m/it of water.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant				
			❖ Fertilizer application in split dose of				
		A CONTRACTOR	recommended dose.				
	7.7	1	 Provide irrigation to the plant. 				
) \	Damping off ✓ Seed treatment with thiram 3g/kg seed or					
		Trichoderma viride 4g+ metalaxyl 4g					
	1	(Apron)/ kg seed					
)	(A)	✓ Drenching 1% Bordeaux mixture or 2 g				
	5	2 1	captan or 3 copper oxychloride/ lt of water				
	(Version L	at 10-15 DAS are effective.				
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of				
		blotch	water or Bavistin @ 1g/litre of water, 2-3				
	7 MAMIT	1	sprayings should be given forthnightly				
	5	AIZAVIL 10	intervals.				
		o Spraying of Bittox @ 3 g/1 of water					
			Touliu effective against leaf spot.				
Rice	Harvesting stage	3 86	✓ Harvest rice crop				
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 3 15	✓ Cut residue 20 cm from the base.				
			✓ Open the furrow with the help of furrow				
	12	acres and the	opener.				
		SERCHHI	Place FYM and fertilizer.				
D: a	All stores	✓ Place the seed and cover by soil. Porcine 1. Culling of positive pigs or piglets.					
Pig	All stages	Reproductive 1. Culling of positive pigs of pigicis.					
		Respiratory					
		Syndrome (PRRS).					
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2				
	riddit stage	Swine rever	months and yearly interval/6 month interval				
Cattle	All age group	Foot and Mouth					
	in age group	Disease (FMD) month.					
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).				
	Tours suge	(DV)	❖ Primary vaccination 6 month or above				
		1 2	Revaccination annually				
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B				
J		LAWNGTLAL	vaccine for adult birds.				
	Early stage	Coccidiosis	Amprolium or coccidiostat				
	zazy suge	COCCIONIO					

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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SAIHA

LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



(0.00mm)

District: Lunglei **Period:** 11 - 15, February, 2015

Bulletin No: -491/2015/ Bulletin/English

Date of issue: 10th February, 2015

Parameters	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
Rainfall (mm)	0	WAILO CHE	0	0	0
Max Temp (oC)	28	26	27	26	26
Min Temp (oC)	7	<u>N</u> 8	6	6	4
Cloud Coverage	Partially clear	Partially clear	Clear sky	Clear sky	Clear sky
Max RH (%)	84	68	85	86	95
Min RH (%)	22	19	18	21	20
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	N-E	E	E	E	E

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

STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

> (0.00mm)(0.00mm)

Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)

Weather summary of the past

(0.00mm)

Weather forecast valid from 11th February, 2015 To 15th SERCHHIP February, 2015.

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 26-28°C and 4-8°C. Maximum relative humidity is expected in the range of 68-95% and minimum may from 18-22%. Wind direction would be northeasterly with the wind speed of 4 km per hour. Partially cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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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)



			• Excess water removes from the base of the plant.
Banana	Vegetative/		Remove water sucker, keep 1 or 2 plants in a
	harvesting	1	single place. ✓ Remove sword sucker and use it as new
		KOLASIB	planting material.
	1	NOLKOID C	✓ Provide irrigation to the base of the plant.
		W/2	✓ Fertilizer application in split dose of
	5		recommended dose.
	7	5000	✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	>	Clean the vicinity of plants by weeding and
ттеарріс) MAMIT		loosen up the soil.
	5	AIZAWL	o Remove slips and use it as a new planting
		C MILLIAN C	material.
)	}	Sucker dipping treatment with Bavistin @
	4	1 1	3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and
) 6		insect.
))		 Weeding and intercultural operation.
		SERCHHI	8
Cucurbits	Vegetative stage	V L	Land is ploughed to a fine tilth and pits of
	7	5	60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m,
	J.		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	pumpkin, bottle gourd cucumber
)	ENONSEET.	respectively. Well rotten FYM should be
		23	applied in pits and filled with top soil up to
		A S	3/4th height and 2-3 seeds will be sown in each pit.
	5	Z \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	☐ In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		1 -21	below soil at a spacing of 3.5 x 2.0 m.
		1	♣ Polythene nursery raising can be done/
		Damping off and IA	initiate ✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		- 1 Par 1	A 1740

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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)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			 Provide irrigation to the plant.
)	Disease:	 Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		Care L	disease.
	1	Pest:	 Sulfur fungicides can be used to control
	- E	Mites and hoppers-	this pest.
Cowpea	Fruiting stage).	Trilling into bower structure.
	5	AIZAWL C	Weeding near the plant
		Cumming 1	♣ Draining of excess water and preparation
	1)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
))		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V. Lag	Weeding near the plant.
	\	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Prenching 1% Bordeaux mixture or 2 g
	3	manus et e e e e	captan or 3 copper oxychloride/ lt of water
		CV.	at 10-15 DAS are effective.
	*	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		3	in nursery is quite effective.
Mustard and	Flowering stage	(5 A)	• Weeding in the toria plot.
toria			 Provide irrigation in the field.
		1 2	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAND	✓ Weeding in the pea plot.
		SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		The state of	Imidachloprid 1.5ml/lt of water.
		A R	

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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)



Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
			recommended dose.
	- 7	7	 Provide irrigation to the plant.
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	((Apron)/ kg seed
	1	(4/5)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	W	T C 1 11 6	at 10-15 DAS are effective.
		Leaf spot and leaf blotch	o Spraying Dithane M-45 @ 2.5g/litre of
	\$ MAMIT	Dioten	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	1 medical	1	intomiolo
	3	AIZAWL C	o Spraying of Blitox @ 3 g/l of water was
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		found effective against leaf spot.
Rice	Harvesting stage	(✓ Harvest rice crop
		1 5/5	✓ Cut residue 20 cm from the base.
) 6		✓ Open the furrow with the help of furrow
))		opener.
	E	SERCHHI	✓ Place FYM and fertilizer.
		V-	✓ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	7
	Adult stage	Syndrome (PRRS). Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Adult stage	Swine lever.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
Cattle	in age group	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	Tours suge	(((((((((((((((((((❖ Primary vaccination 6 month or above
		1	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAND	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
			(a) (b)

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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LAWNGTLAL

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: Mamit Period: 11 - 15, February, 2015

Bulletin No: -491/2015/ Bulletin/English

Date of issue: 10th February, 2015

Parameters	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
Rainfall (mm)	0	VAOLEID	0	0	0
Max Temp (oC)	28	28	28	27	27
Min Temp (oC)	7	8	7	6	6
Cloud Coverage	Partially clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	89	85	88	65	89
Min RH (%)	24	19	18	18	18
Wind Speed (KmpH)	4	2	3	4	3
*Wind Direction	E	E	S-E	S-E	E

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

STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

Kolasib- 0.00 mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)

Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)

Weather summary of the past three days

Weather forecast valid from 11th February, 2015 To 15th SERCHHIP February, 2015.

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 6-8°C. Maximum relative humidity is expected in the range of 65-89% and minimum may from 18-24%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural / animal husbandry advisories
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAN	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.
		1 2 1	• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			• Excess water removes from the base of the plant.
Banana	Vegetative/		Remove water sucker, keep 1 or 2 plants in a
	harvesting	1	single place. ✓ Remove sword sucker and use it as new
		KOLASIB	planting material.
	1	NOLKOID C	✓ Provide irrigation to the base of the plant.
		W/2	✓ Fertilizer application in split dose of
	5		recommended dose.
	7	5000	✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	>	Clean the vicinity of plants by weeding and
ттеарріс) MAMIT		loosen up the soil.
	5	AIZAWL	o Remove slips and use it as a new planting
		C MILLIAN C	material.
)	}	Sucker dipping treatment with Bavistin @
	4	1 1	3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and
) 6		insect.
))		 Weeding and intercultural operation.
		SERCHHI	8
Cucurbits	Vegetative stage	V L	Land is ploughed to a fine tilth and pits of
	7	5	60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m,
	J.		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	pumpkin, bottle gourd cucumber
)	ENONSEET.	respectively. Well rotten FYM should be
		23	applied in pits and filled with top soil up to
		A S	3/4th height and 2-3 seeds will be sown in each pit.
		/ \	☐ In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		1 -21	below soil at a spacing of 3.5 x 2.0 m.
		1	♣ Polythene nursery raising can be done/
		Damping off and IA	initiate ✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		- 1 Par 1	A 1740

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			 Provide irrigation to the plant.
)	Disease:	 Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		Care L	disease.
	1	Pest:	 Sulfur fungicides can be used to control
	- E	Mites and hoppers-	this pest.
Cowpea	Fruiting stage).	Trilling into bower structure.
	5	AIZAWL C	Weeding near the plant
		Cumming 1	♣ Draining of excess water and preparation
	1)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
))		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		Value of the second	Weeding near the plant.
	\	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Prenching 1% Bordeaux mixture or 2 g
	3	manus et e e e e	captan or 3 copper oxychloride/ lt of water
		CV.	at 10-15 DAS are effective.
	5	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		3	in nursery is quite effective.
Mustard and	Flowering stage	(5 A)	• Weeding in the toria plot.
toria			 Provide irrigation in the field.
		1 2	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAND	✓ Weeding in the pea plot.
		SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		The state of	Imidachloprid 1.5ml/lt of water.
		A R	

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Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
			recommended dose.
	- 7	7	 Provide irrigation to the plant.
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	((Apron)/ kg seed
	1	(4/5)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	W	T C 1 11 6	at 10-15 DAS are effective.
		Leaf spot and leaf blotch	o Spraying Dithane M-45 @ 2.5g/litre of
	\$ MAMIT	Dioten	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	1 medical	1	intomiolo
	3	AIZAWL C	o Spraying of Blitox @ 3 g/l of water was
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		found effective against leaf spot.
Rice	Harvesting stage	(✓ Harvest rice crop
		1 5/5	✓ Cut residue 20 cm from the base.
) 6		✓ Open the furrow with the help of furrow
))		opener.
	E	SERCHHI	✓ Place FYM and fertilizer.
		V-	✓ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	7
	Adult stage	Syndrome (PRRS). Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Adult stage	Swine lever.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
Cattle	in age group	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	Tours suge	(((((((((((((((((((❖ Primary vaccination 6 month or above
		1	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAND	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
			(a) (b)

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LAWNGTLAL

SAIHA

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*Wind Direction

GRAMIN KRISHI MAUSAM SEWA

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Date of issue: 10th February, 2015

District: Serchhip Period: 11 - 15, February, 2015

Bulletin No: -491/2015/ Bulletin/English

	19766 3986	100	640		
Parameters	11.02.2015	12.02.2015	13.02.2015	14.02.2015	15.02.2015
Rainfall (mm)	0	MAIO CID	0	0	0
Max Temp (oC)	27	25	25	24	24
Min Temp (oC)	5	<u>7</u>	4	5	3
Cloud Coverage	Partially clear	Partially clear	Clear sky	Clear sky	Clear sky
Max RH (%)	100	71	98	96	97
Min RH (%)	23	19	18	23	21
Wind Speed (KmpH)	4	4	4	4	4

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- January 1-31, 2015 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

Kolasib- 0.00 mm

(0.00mm)(0.00mm)(0.00mm)(0.00mm)Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm

(0.00mm)(0.00mm)(0.00mm)(0.00mm)

Weather forecast valid from 11th February, 2015 To 15th Weather summary of the past SERCHHIP February, 2015. 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 24-27°C and 3-7°C. Maximum relative humidity is expected in the range of 71-100% and minimum may from 18-23%. Wind direction would be easterly with the wind speed of 4 km per hour. Partially cloudy sky will prevail during the next five days.

> > Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAI SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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			• Excess water removes from the base of the plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	1	single place.
	1 1		✓ Remove sword sucker and use it as new
		KOLASIB	planting material.
	1		✓ Provide irrigation in the base.
	1	(A)	✓ Fertilizer application in split dose of
	5		recommended dose.
	7	Same La	✓ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	7 MAMIT	1	loosen up the soil.
	1	(AIZAVVL)	o Remove slips and use it as a new planting material.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Sucker dipping treatment with Bavistin @
	1	3	3g + Chloropyriphos @ 1 g/lt of water to
	1	1 3/5	protect against soil borne disease and
) 6		insect.
))		 Weeding and intercultural operation.
		SERCHHI	Po Provide irrigation in the plant.
Cucurbits	Vegetative stage	V	Land is ploughed to a fine tilth and pits of
	(60 cm diameter and 30-45cm depth are
			made at a spacing of 2.0-2.5x 2.0-2.5 m,
	-		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	pumpkin, bottle gourd cucumber
	3	ALEXALDICARD.	respectively. Well rotten FYM should be
	View Control of the C	20	applied in pits and filled with top soil up to
		(A)	3/4th height and 2-3 seeds will be sown in
	1		each pit.
		100 6	In case of chow-chow, fruit are planted
		1 63 0	with broad end downwards, 2/3rd portion
		Y	below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/
		LAWNGTI ALS	initiate
		Damping off and	
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		Diigiit	(Apron)/ kg seed
	<u> </u>		(1 pron)/ kg seed

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
Duinial	E-milion adapa		at 10-15 DAS are effective.
Brinjal	Fruiting stage	1	Weeding near the plantFertilizer application in split dose of
		V COMMUNICATION (recommended dose.
		KOLASIB	 Provide irrigation if require.
		Disease:	o Seed treatment with captan, thiram or
	7.		chlorothalonil will effectively control this
	7	Damping off-	disease.
	7	Pest:	Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	wittes and noppers-	Trilling into bower structure.
Compea	Truting stage	(4)	 Weeding near the plant
	1	AIZAVVL C	Draining of excess water and preparation
		1	mound near the base.
	-	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	Ose of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
)))		in card formation stage.
		SERCHHI	❖ Provide irrigation if require.
		V	• Weeding near the plant.
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
		. 0	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	>	THE STATE OF THE S	captan or 3 copper oxychloride/ lt of water
	1	co.	at 10-15 DAS are effective.
	5	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	9 0	• Weeding in the toria plot.
toria			o Provide irrigation in the field.
		1 2	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		S S	Imidachloprid 1.5ml/lt of water.
		and the last	

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Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
	8	1. /	❖ Fertilizer application in split dose of
		The state of the s	recommended dose.
	()	/	 Provide irrigation in the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
)	(A/S)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	1	T. 0	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	Summer	blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	/ MAMIT	1	intervals.
	3	(AIZAVIL)	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
		1 585	✓ Cut residue 20 cm from the base.
	1 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	
		V	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	1	Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Addit stage	Swine level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	age gas a	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			 Primary vaccination 6 month or above
			* Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAV	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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LAWNGTLAL

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