

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Dated: 28th November, 2014

District: Champhai Period: 29 November -03 December, 2014

Bulletin No: -470/2014/ Bulletin/English

Parameters	29-11-2014	30-11-2014	01-12-2014	02-12-2014	03-12-2014
Rainfall (mm)	0	wai 0 em	0	0	0
Max Temp (oC)	27	26	26	26	27
Min Temp (oC)	7	N 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 (KmpH)	4	4	4	4	5
*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- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather summary of the past three days

Weather forecast valid from 29th November, 2014 To 03rd
December, 2014.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 26-27⁰C and

minimum temperatures for the next 5 days may range for 26-27°C and 7°C. Maximum relative humidity is expected in the range of 100% and minimum may from 39-46%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm Agricultural / Horticultural/ animal Main Crop/ **Cultural practices/** Stage Animal Pest/ Diseases husbandry advisories /Fisheries SAIHA Khasi Vegetative stage Canker Prune the diseased and dead twigs. Mandarin Wound dressing with Bordeaux paste and

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			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.
) \	2	• Excess water removes from the base of the
		KOLASIB	plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	(A)	single place.
	5		✓ Remove sword sucker and use it as new
	3	STATE	planting material.
		5 5 1	✓ Excess water removes from the base of the
	\$		plant.
	7 MAMIT	4	Fertilizer application in split dose of
	3	(AIZAVIL C	recommended dose.
			✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	- (Clean the vicinity of plants by weeding and
Тпеарріс	vegetative stage	121	loosen up the soil.
) 6		Remove slips and use it as a new planting
	((material.
		SERCHHIE	Sucker dipping treatment with Bavistin @
		V	3g + Chloropyriphos @ 1 g/lt of water to
	(protect against soil borne disease and
			insect.
			Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	The seedling should be transplant at 2 leaf
	3		stage.
	V	500	Distance should be (50X 70 cm)
		A V	In case of dry spell use supplementary
			irrigation. FYM application @400gm/pit along with
			recommended fertilizer dose 100:50:50
) 53 4	kg/ha
		Damping off and	✓ Seed treatment with thiram 3g/kg seed or
		LAWIBlight	Trichoderma viride 4g+ metalaxyl 4g
		F SAIHA	(Apron)/ kg seed
			✓ Drenching 1% Bordeaux mixture or 2 g
		1	captan or 3 copper oxychloride/ lt of water

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		at 10-15 DAS are effective.
Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
}	Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
	Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Fruiting stage	AIZAVVL	 Trilling into bower structure. Weeding near the plant Draining of excess water and preparation mound near the base.
1	Scab and leaf blight disease	✓ Use of resistant varieties.
Vegetative stage	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
	Damping off	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 at 10-15 DAS are effective.
į.	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective.
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
	Fruiting stage Vegetative stage	Disease: Damping off- Pest: Mites and hoppers- Fruiting stage Scab and leaf blight disease Land preparation Damping off LUNGLE Mustard sawfly Sowing

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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	 ✓ 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. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage ⊤	Land preparation	 ✓ Nursery preparation for tomato. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off	✓ 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 at 10-15 DAS are effective.
	1	Leaf spot and leaf	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Rice	Flowering Stage	170	✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bugatha	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the

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			population reaches ETL of 1 nymph or adult/ hill.
	5	Leaf blast	 Judicious application of nitrogenous fertilizer.
		KOLASIB	 Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	5	Reproductive	7
	1	Respiratory Syndrome (PRRS).	(
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
) MAMIT		months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	i,	3 64	 Primary vaccination 6 month or above
		The State of the S	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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LAWNGTLAL

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Dated: 28th November, 2014

District: Chhimtuipui Period: 29 November -03 December, 2014

Bulletin No: -470/2014/ Bulletin/English

Parameters	29-11-2014	30-11-2014	01-12-2014	02-12-2014	03-12-2014
Rainfall (mm)	0	weil 0 cip	0	0	0
Max Temp (oC)	28	27	27	28	28
Min Temp (oC)	7	<u>5</u>	6	6	7
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	99	100
Min RH (%)	35	27	26	23	29
Wind Speed (KmpH)	2	6	7	7	7
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather summary of the past three days

Weather forecast valid from 29th November, 2014 To 03rd
December, 2014.

There is no chance of light rainfall during the next 5 day. The maximum

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 27-28°C and 5-7°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 23-35%. Wind direction would be easterly with the wind speed of 2-7 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases SAIHA	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	Prune the diseased and dead twigs.Wound dressing with Bordeaux paste and

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			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.
) \	2 1 .	• Excess water removes from the base of the
		KOLASIB	plant.
Banana	Vegetative/		Remove water sucker, keep 1 or 2 plants in a
	harvesting	WS)	single place.
	5	2 1 /	Remove sword sucker and use it as new
	1	5	planting material.
			Excess water removes from the base of the
	3		plant.
	7 MAMIT	V	Fertilizer application in split dose of
	3	AIZAWL JOHA	recommended dose.
			Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage		Clean the vicinity of plants by weeding and
Ппсарріс	vegetative stage		loosen up the soil.
) 6		Remove slips and use it as a new planting
))		material.
		SERCHHIPO	Sucker dipping treatment with Bavistin @
		V	3g + Chloropyriphos @ 1 g/lt of water to
	4	L.	protect against soil borne disease and
	4		insect.
		0	Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	The seedling should be transplant at 2 leaf
	1	1	stage.
			Distance should be (50X 70 cm) In case of dry spell use supplementary
			irrigation.
	3		FYM application @400gm/pit along with
		2 5 7	recommended fertilizer dose 100:50:50
		1 -2 1	kg/ha
		Damping off and ✓	Seed treatment with thiram 3g/kg seed or
		LAWABlight	Trichoderma viride 4g+ metalaxyl 4g
		SAIHA	(Apron)/ kg seed
		✓	Drenching 1% Bordeaux mixture or 2 g
			\(\text{captan or 3 copper oxychloride/ lt of water} \)

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			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
	}	Disease: Damping off-	 Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage	AIZAVVL	 Trilling into bower structure. 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	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
		Damping off	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 at 10-15 DAS are effective.
		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
		1 1	2 D o c o

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			✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	 ✓ 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. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage IT	Land preparation	 ✓ Nursery preparation for tomato. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off SERCHHI	✓ 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 at 10-15 DAS are effective.
		Leaf spot and leaf	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Rice	Flowering Stage	75	One hand weed will require. Application of split dose of Urea.
		Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bugaiha	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the

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			population reaches ETL of 1 nymph or adult/ hill.
	57	Leaf blast	 Judicious application of nitrogenous fertilizer.
		KOLASIB	 Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine)	1. Culling of positive pigs or piglets.
	}	Reproductive Respiratory Syndrome (PRRS).	7
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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Rainfall (mm)	0	MAIO CID	0	0	0
Max Temp (oC)	28	27	27	28	28
Min Temp (oC)	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 (KmpH)	3	4	4	6	6
*Wind Direction	Е	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- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)

Champhai- 329.7mm (-28.00)

Mamit-376.0 mm (-20.69)

Aizawl-378.0mm (7.33)

Dated: 28th November, 2014

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm (-32.04)

(-64.68)

(-16.55)

Chhimtuipui- 367.8 mm (-32.04)

Weather summary of the past three days

The temperature range for maximum and minimum were 25.4-28.6°C and 14.2-18.6°C respectively. Clean sky was observed. Wind direction is easterly. Maximum RH observed 56-63% & minimum of 17-27%. Rainfall recorded for the past three days is 00.0mm.

Weather forecast valid from 29th November, 2014 To 03rd December, 2014.

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 7-8°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 37-43%. Wind direction would be easterly with the wind speed of 3-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases SAIHA	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	Prune the diseased and dead twigs.Wound dressing with Bordeaux paste and

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			• For canker, spray streoptomycin 2g +
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) \	2	• Excess water removes from the base of the
		KOLASIB	plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	44	single place.
	5	2 1	✓ Remove sword sucker and use it as new
	1	Same La	planting material.
			✓ Excess water removes from the base of the
	3		plant.
	7 MAMIT	1	✓ Fertilizer application in split dose of
	3	(AIZAVIL CI	recommended dose.
			✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	(3	 Clean the vicinity of plants by weeding and
Тіпеарріє	vegetative stage	122	loosen up the soil.
) 6		o Remove slips and use it as a new planting
))		material.
	-	SERCHHIP	o Sucker dipping treatment with Bavistin @
	1	V	3g + Chloropyriphos @ 1 g/lt of water to
	(protect against soil borne disease and
			insect.
			o Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	The seedling should be transplant at 2 leaf
	1		stage.
		5	Distance should be (50X 70 cm)
		A	In case of dry spell use supplementary irrigation.
			FYM application @400gm/pit along with
			recommended fertilizer dose 100:50:50
) -1 Y	kg/ha
		Damping off and	✓ Seed treatment with thiram 3g/kg seed or
		LAWNBlight	Trichoderma viride 4g+ metalaxyl 4g
		/ SAIHA	(Apron)/ kg seed
			✓ Drenching 1% Bordeaux mixture or 2 g
		I f	captan or 3 copper oxychloride/ 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)



			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
	}	Disease: Damping off-	 Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage	AIZAVVL	 Trilling into bower structure. 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	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
	1	Damping off	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 at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m² 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
		1 1	2 D o c o

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Tomato Nursery stage Land preparation Nursery stage Damping off Damping off Damping off A the time of sowing 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. Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing Vivin Nursery preparation for tomato. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/m²) Line sowing of seeds (7-10cm) 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 at 10-15 DAS are effective.				✓	Full amount of phosphorus and potash and
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. Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing. Nursery stage Value					half amount of nitrogen should be applied
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. Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing Tomato Nursery stage Land preparation Application of FYM (1.5-2.0 kg/m²)	Pea	Sowing	- / · · · · · · · ·	√	
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Rice Stem borer Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug IHA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml	Rice	Flowering Stage	700		
Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug IHA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml			Dieg Stom hover	The .	
or Imidacloprid 20ml/10lt water. Gundhi bug AlHA ■ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml			Aice Stelli Dulei		
Gundhi bugalha Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml			LAWNGTLAL		
or endosulfan 35 EC @ 1.5 ml/ml					
■ Insecticide application should be done if the					
1.1				•	Insecticide application should be done if the

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

LUNGLE

LAWNGTLAL SAIHA

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LAWNGTLAL

SAIHA

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



Dated: 28th November, 2014

District: Lawntalai Period: 29 November -03 December, 2014

Bulletin No: -470/2014/ Bulletin/English

Parameters	29-11-2014	30-11-2014	01-12-2014	02-12-2014	03-12-2014
Rainfall (mm)	0	MAIL OLGIDI	0	0	0
Max Temp (oC)	28	27	27	28	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	32	33	30	35
Wind Speed (KmpH)	4	7	7	7	7
Wind Direction	S E A SALT	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- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather summary of the past three days

Weather forecast valid from 29th November, 2014 To 03rd
December, 2014.

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/ Animal /Fisheries
 Stage Pest/ Diseases
 Agricultural / Horticultural/ animal husbandry advisories

 Khasi
 Vegetative stage
 Canker
 ● Prune the diseased and dead twigs.

Wound dressing with Bordeaux paste and

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Mandarin



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		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.
	7 /	• Excess water removes from the base of the
		plant.
Banana	Vegetative/	Remove water sucker, keep 1 or 2 plants in a
	harvesting	single place.
	(✓ Remove sword sucker and use it as new
)	planting material.
	10	✓ Excess water removes from the base of the
		plant.
	7 MAMIT	✓ Fertilizer application in split dose of
	\$	recommended dose.
		✓ 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.
		o Remove slips and use it as a new planting
	1.1	material.
		SERCHHIPO Sucker dipping treatment with Bavistin @
		3g + Chloropyriphos @ 1 g/lt of water to
	Y Y	protect against soil borne disease and
		insect. Weading and intercultural operation
Cucurbits	Vegetative stage	Weeding and intercultural operation.The seedling should be transplant at 2 leaf
Cucuibits	vegetative stage	stage.
	Y.	Distance should be (50X 70 cm)
	L.	In case of dry spell use supplementary
	1-11	irrigation.
		FYM application @400gm/pit along with
		recommended fertilizer dose 100:50:50
		kg/ha
		Damping off and ✓ Seed treatment with thiram 3g/kg seed or
		Trichoderma viride 4g+ metalaxyl 4g
		SAIHA (Apron)/ kg seed
		✓ Drenching 1% Bordeaux mixture or 2 g
		captan or 3 copper oxychloride/ lt of water

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			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
	}	Disease: Damping off-	 Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage	AIZAVVL	 Trilling into bower structure. 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	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
		Damping off	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 at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m² 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
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			✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	 ✓ 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. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage IT	Land preparation	 ✓ Nursery preparation for tomato. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off	✓ 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 at 10-15 DAS are effective.
		Leaf spot and leaf	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Rice	Flowering Stage	75	One hand weed will require. Application of split dose of Urea.
		Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bugaiha	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the

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		A	population reaches ETL of 1 nymph or adult/ hill.
	57	Leaf blast	 Judicious application of nitrogenous fertilizer.
		KOLASIB &	 Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	5	Reproductive	
	1	Respiratory (PRPS)	(
	Adult stage	Syndrome (PRRS). Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Adult stage	Swine level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	1	3 8 6	 Primary vaccination 6 month or above
	\	1 1 1	 Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

LUNGLEI

LAWNGTLAL SAIHA

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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)



Dated: 28th November, 2014

District: Lunglei Period: 29 November -03 December, 2014

Bulletin No: -470/2014/ Bulletin/English

Parameters	29-11-2014	30-11-2014	01-12-2014	02-12-2014	03-12-2014
Rainfall (mm)	0	wait 0 caps	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 (KmpH)	4	6	6	6	6
*Wind Direction	EASAIT	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- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm (19.16) (-28.00) (-20.69) Aizawl-378.0mm (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather forecast valid from 29th November, 2014 To 03rd

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 6-7°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 30-38%. Wind direction would be easterly with the wind speed of 4-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm Agricultural / Horticultural/ animal Main Crop/ **Cultural practices/** Stage Animal Pest/ Diseases husbandry advisories /Fisheries SAIHA Khasi Vegetative stage Canker Prune the diseased and dead twigs. Mandarin Wound dressing with Bordeaux paste and

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Weather summary of the past



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



		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.
	3 \	• Excess water removes from the base of the
		Plant.
Banana	Vegetative/	Remove water sucker, keep 1 or 2 plants in a
	harvesting	single place.
	(✓ Remove sword sucker and use it as new
	 	planting material.
	1	✓ Excess water removes from the base of the
		plant.
	J' MAMIT	✓ Fertilizer application in split dose of
	5	recommended dose.
		✓ Harvest fruits when the flower tips of the
	1	fruit dehiscent.
Pineapple	Vegetative stage	o Clean the vicinity of plants by weeding and
	\ ~	loosen up the soil.
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	o Remove slips and use it as a new planting material.
		SERCHHIPO Sucker dipping treatment with Bavistin @
		3g + Chloropyriphos @ 1 g/lt of water to
	1	protect against soil borne disease and
		insect.
	1	• Weeding and intercultural operation.
Cucurbits	Vegetative stage	The seedling should be transplant at 2 leaf
	7	stage.
	1	Distance should be (50X 70 cm)
	5	In case of dry spell use supplementary
		irrigation.
	1	FYM application @400gm/pit along with
	9	recommended fertilizer dose 100:50:50
		kg/ha
		Damping off and ✓ 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
		capian of 3 copper oxychioride/ it of water

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			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
	}	Disease: Damping off-	 Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage	AIZAVVL	 Trilling into bower structure. 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	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
		Damping off	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 at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m² 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
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Tomato Nursery stage Land preparation Nursery stage Damping off Damping off Damping off At the time of sowing 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. Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing Vivin Nursery preparation for tomato. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/m²) Line sowing of seeds (7-10cm) 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 at 10-15 DAS are effective.				✓	Full amount of phosphorus and potash and
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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. Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Poestroy egg masses. Rice Stem borer Rice Stem borer Rice Stem borer Birce Stem borer Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml		12			
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at 10-15 DAS are effective. Leaf spot and leaf blotch Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Rice Flowering Stage ✓ One hand weed will require. ✓ Application of split dose of Urea. Rice Stem borer Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug HA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml		\	1 1 1 - 3 · · · · · · · · · · · · · · · · · ·	* 1	
Leaf spot and leaf blotch Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Vone hand weed will require. Application of split dose of Urea. Rice Stem borer Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug HA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml		7	and the second	-8	
water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Rice Flowering Stage Plowering Stage Rice Stem borer Rice Stem borer Bestroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml		- 1	Leaf spot and leaf	0	
sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. **Note** Plowering Stage** **Note** Plowe		/-	blotob	3	
O Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Rice Flowering Stage ✓ One hand weed will require. ✓ Application of split dose of Urea. Pestroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug HA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml		>	CHNOCEL	7	sprayings should be given forthnightly
Flowering Stage Flowe		\ \frac{1}{2}	ce:	1	
Rice Flowering Stage ✓ One hand weed will require. ✓ Application of split dose of Urea. Rice Stem borer Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug HA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml		\	0 (~	0	· · ·
Application of split dose of Urea. Rice Stem borer Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug HA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml	D .	TI . C.			
Rice Stem borer Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug AHA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml	Rice	Flowering Stage	700		
Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water. Gundhi bug IHA Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml			Dieg Stom hover	The .	
or Imidacloprid 20ml/10lt water. Gundhi bug → Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml			Rice Stelli Doller		
Gundhi bugalha Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml			LAWNGTLAL		
or endosulfan 35 EC @ 1.5 ml/ml					
■ Insecticide application should be done if the					
**				•	Insecticide application should be done if the

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		A	population reaches ETL of 1 nymph or adult/ hill.
	57	Leaf blast	Judicious application of nitrogenous fertilizer.
		KOLASIB &	 Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	5	Reproductive	
	1	Respiratory Syndrome (PRRS).	(
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	A MAMIT		months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	, and the second	3 66	 Primary vaccination 6 month or above
		1 1	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

150

LAWNGTLA

LUNGLE

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Dated: 28th November, 2014

District: Mamit Period: 29 November -03 December, 2014

Bulletin No: -470/2014/ Bulletin/English

Parameters	29-11-2014	30-11-2014	01-12-2014	02-12-2014	03-12-2014
Rainfall (mm)	0	weil 0 em	0	0	0
Max Temp (oC)	28	27	27	28	28
Min Temp (oC)	8	A 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 (KmpH)	2	4	4	4	4
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Weekly cumulative rainfall: 00.0 mm

Weather summary of the past three days

Weather forecast valid from 29th November, 2014 To 03rd
December, 2014.

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 27-28°C and 7-9°C. Maximum relative humidity is expected in the range of 93-99% and minimum may from 42-46%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Dense cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/
Animal
//Fisheries

Khasi
Mandarin

Main Crop/
Stage

Cultural practices/
Pest/ Diseases

Canker

Prune the diseased and dead twigs.

Wound dressing with Bordeaux paste and

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



			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.
) \		• Excess water removes from the base of the
		KOLASIB	plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	(A)	single place.
	5		✓ Remove sword sucker and use it as new
	1	STATE	planting material.
		5	✓ Excess water removes from the base of the
	3		plant.
	7 MAMIT	4	Fertilizer application in split dose of
	3	(AIZAVVL C	recommended dose.
			✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	- (Clean the vicinity of plants by weeding and
Ппсарріс	vegetative stage	12/1	loosen up the soil.
) 6		Remove slips and use it as a new planting
))		material.
	-	SERCHHIE	Sucker dipping treatment with Bavistin @
	1	V	3g + Chloropyriphos @ 1 g/lt of water to
	(protect against soil borne disease and
			insect.
			o Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	The seedling should be transplant at 2 leaf
	1		stage.
		500	Distance should be (50X 70 cm)
		A	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	✓ Seed treatment with thiram 3g/kg seed or
		LAWABlight	Trichoderma viride 4g+ metalaxyl 4g
		SAIHA	(Apron)/ kg seed
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water

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			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
	}	Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage	AIZAWL	 Trilling into bower structure. 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	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
	3	Damping off	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 at 10-15 DAS are effective.
	į.	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m² 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

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			✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	 ✓ 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. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage IT	Land preparation	 ✓ Nursery preparation for tomato. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off SERCHHI	✓ 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 at 10-15 DAS are effective.
		Leaf spot and leaf	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Rice	Flowering Stage	275	✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bugatha	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the

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			population reaches ETL of 1 nymph or adult/ hill.
	5	Leaf blast	Judicious application of nitrogenous fertilizer.
		KOLASIB	 Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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LAWNGTLAL

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



Dated: 28th November, 2014

District: Serchhip Period: 29 November -03 December, 2014

Bulletin No: -470/2014/ Bulletin/English

Parameters	29-11-2014	30-11-2014	01-12-2014	02-12-2014	03-12-2014
Rainfall (mm)	0	MAIL O. CITI	0	0	0
Max Temp (oC)	28	27	27	27	28
Min Temp (oC)	6	A 4	5	5	5
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	32	25	30	24	27
Wind Speed (KmpH)	4	6	6	6	6
*Wind Direction	EASATT	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- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Champhai- 329.7mm Aizawl-378.0mm Kolasib- 372.1mm Mamit-376.0 mm (19.16)(-28.00)(-20.69)(7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04)(-64.68)(-16.55)(-32.04)

Weather forecast valid from 29th November, 2014 To 03rd Weather summary of the past December, 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 4-6⁰C. Maximum relative humidity is expected in the range of 100% and minimum may from 24-32%. Wind direction would be easterly with the wind speed of 4-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm Agricultural / Horticultural/ animal Main Crop/ **Cultural practices/** Stage Animal Pest/ Diseases husbandry advisories /Fisheries SAIHA Khasi Vegetative stage Canker Prune the diseased and dead twigs. Mandarin

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Wound dressing with Bordeaux paste and

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		mulch with dry grass to con and suppress the growth of we	
		• For canker, spray streopto	
		copperoxycholoride 8 g /10 lt	
) \	• Excess water removes from t	
		KOLASIB (plant.	
Banana	Vegetative/	Remove water sucker, keep 1	or 2 plants in a
	harvesting	single place.	
	5	✓ Remove sword sucker and	use it as new
	1	planting material.	
		✓ Excess water removes from t	the base of the
	5	plant.	1'. 1
	/ MAMIT	✓ Fertilizer application in s	split dose of
	3	recommended dose. ✓ Harvest fruits when the flow	ver time of the
	(fruit dehiscent.	ver ups or me
Pineapple	Vegetative stage	o Clean the vicinity of plants b	v weeding and
Тіпсарріс	vegetative stage	loosen up the soil.	y weeding and
) 6	o Remove slips and use it as	a new planting
))	material.	1 0
	-	SERCHHIPO Sucker dipping treatment wi	
	N. Carlotte	3g + Chloropyriphos @ 1 g	
	5	protect against soil borne	disease and
	4	insect.	.•
Cucurbits	Vagatativa ataga	o Weeding and intercultural op	
Cucurbits	Vegetative stage	The seedling should be transstage.	spiant at 2 lear
	1	Distance should be (50X 70)	cm)
	_	In case of dry spell use	
		irrigation.	F F
		FYM application @400gm/	pit along with
	b	recommended fertilizer do	ose 100:50:50
		kg/ha	
		Damping off and Seed treatment with thiram 3	0 0
		Trichoderma viride 4g+ meta	alaxyl 4g
		(Apron)/ kg seed	·4····
		Drenching 1% Bordeaux mix captan or 3 copper oxychlori	
		capian of 3 copper oxychlori	ue/ ii oi water

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



		at 10-15 DAS are effective.
Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
}	Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
	Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Fruiting stage	AIZAVVL	 Trilling into bower structure. Weeding near the plant Draining of excess water and preparation mound near the base.
1	Scab and leaf blight disease	✓ Use of resistant varieties.
Vegetative stage	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
	Damping off	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 at 10-15 DAS are effective.
8	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective.
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.
	Fruiting stage Vegetative stage	Disease: Damping off- Pest: Mites and hoppers- Fruiting stage Scab and leaf blight disease Vegetative stage Land preparation Damping off LUNGLE Mustard sawfly Sowing

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Mizoram Centre, Kolasib- 796081, MIZORAM

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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	 ✓ 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. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage ⊤	Land preparation	 ✓ Nursery preparation for tomato. ♣ Raised bed, nursery bed solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm)
		Damping off	✓ 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 at 10-15 DAS are effective.
	1	Leaf spot and leaf	 Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Rice	Flowering Stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bugatha	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the

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			population reaches ETL of 1 nymph or adult/ hill.
	5	Leaf blast	 Judicious application of nitrogenous fertilizer.
		KOLASIB	 Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	Ş	Reproductive	
		Respiratory	
		Syndrome (PRRS).)
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	7 MAMIT		months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	1		 Primary vaccination 6 month or above
		1 3 3	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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



Dated: 28th November, 2014

District: Aizawl Period: 29 November -03 December, 2014

Bulletin No: -470/2014/ Bulletin/English

Parameters	29-11-2014	30-11-2014	01-12-2014	02-12-2014	03-12-2014
Rainfall (mm)	0	WAIL OLG ID	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	99
Min RH (%)	39	36	41	39	40
Wind Speed (KmpH)	3	4	4	5	5
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm Champhai- 329.7mm Mamit-376.0 mm Aizawl-378.0mm (19.16) (-28.00) (-20.69) (7.33)

Serchhip- 166.7 mm Lawngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuipui- 367.8 mm (-32.04) (-64.68) (-16.55) (-32.04)

Weather summary of the past three days

Weather forecast valid from 29th November, 2014 To 03rd
December, 2014.

There is no chance of rainfall during the next 5 day. The maximum and

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 5-6°C. Maximum relative humidity is expected in the range of 99% and minimum may from 36-41%. Wind direction would be easterly with the wind speed of 3-5 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm Agricultural / Horticultural/ animal Main Crop/ **Cultural practices/** Stage Animal Pest/ Diseases husbandry advisories /Fisheries SAIHA Khasi Vegetative stage Canker Prune the diseased and dead twigs. Mandarin Wound dressing with Bordeaux paste and

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		mulch with dry grass to conserve moisture
		and suppress the growth of weed.
		• For canker, spray streoptomycin 2g +
	7 /	copperoxycholoride 8 g /10 lt of water.
		• Excess water removes from the base of the
		KOLASIB plant.
Banana	Vegetative/ harvesting	Remove water sucker, keep 1 or 2 plants in a single place.
	nai vesting	✓ Remove sword sucker and use it as new
	7	planting material.
	1	✓ Excess water removes from the base of the
		plant.
	} MAMIT	✓ Fertilizer application in split dose of
	2	racammandad dasa
	3	✓ Harvest fruits when the flower tips of the
		fruit dehiscent.
Pineapple	Vegetative stage	Clean the vicinity of plants by weeding and
1 meappie	vegetative stage	loosen up the soil.
) 6	Remove slips and use it as a new planting
))	material.
	6-6	SERCHHIPO Sucker dipping treatment with Bavistin @
		3g + Chloropyriphos @ 1 g/lt of water to
	(protect against soil borne disease and
		insect.
		Weeding and intercultural operation.
Cucurbits	Vegetative stage	The seedling should be transplant at 2 leaf
	7	stage.
		→ Distance should be (50X 70 cm)
	h	In case of dry spell use supplementary
	1	irrigation.
		FYM application @400gm/pit along with
		recommended fertilizer dose 100:50:50
		kg/ha
		Damping off and ✓ 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

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			at 10-15 DAS are effective.
Brinjal	Fruiting stage	KOLASIB	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
	}	Disease: Damping off-	 Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage	AIZAVVL	 Trilling into bower structure. 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	Land preparation	 ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ 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/ m²) ♣ Fertilizer application 180:50:50 kg/ha.
		Damping off	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 at 10-15 DAS are effective.
		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
		10 X V	2 D o c o

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Rice	Flowering Stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
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		Gundhi bugatha	 Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the

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	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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