

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Dated: 14th August, 2014

District: Champhai Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

			7		
Parameters	15-08-2014	16-08-2014	17-08-2014	18-08-2014	19-08-2014
Rainfall (mm)	5	0	6	6	4
Max Temp (oC)	29	29	28	28	25
Min Temp (oC)	20	20	19	19	18
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy
Max RH (%)	99	98	99	99	97
Min RH (%)	72	67	66	72	73
Wind Speed (Kmj	pH) 4	4	4	4	3
Wind Direction	Southerly	Southerly	Southerly	Southerly	Southerly
STATUS OF MON	NSOON (August 1-30, 20	014, in bracket percei	nt of variation over	normal) will start	shortly
	Y	AIZAVIL	CHAMPAI		-
Kolasib-	Champhai-		mit-	Aizawl-	
		7		7	
	1		V6.	(
Serchhip-	Lawngtalia-	Lin	nglei-	Chhim	tuinui-
Screinip-	Dawiigtana		ingre-		taipai
Weather sum	mary of the past	Weather fore	east valid from	15 th August 2	014 To 19 th
Weather summary of the past Weather forecast valid from 15 th August 2014 To 19 th			014 10 17		
three days August 2014.					
		There is a chance of			
		and minimum temp		2 2	_
		and 18-20 ⁰ C. Maxi			
		97-98% and minim			
		southeasterly with	the wind speed	of 3-4 km per	hour. Partially
	1	cloudy sky weather will prevail during the next five days.			
	===**\	We	ekly cumulative r	ainfall:021.0mm	
Main Crop/	Stage	Cultural praction		ltural/Horticult	
Animal	29	Pest/ Diseases		husbandry advi	
/Fisheries	1	Test Diseases	1	ilassaliai y aa vi	301103
Khasi	Vegetative stage	Canker	Drung th	ne diseased and d	ead twice
Mandarin	regulative stage	A STATE OF THE PARTY OF THE PAR	2.741		C
manual III		LAWNGTLAN		dressing with	-
		T SA		lch with dry gr	
			3000	e and suppress	tne growth of
			weed.		

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		Λ	• For canker, spray streoptomycin 2g/10 lt of water.
	5		• 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.
)	bs 5	Remove sword sucker and use it as new planting material.
	}	54	✓ Excess water removes from the base of the plant.
D' l	X7. 4.03 (A. A. A		✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL CH	o Clean the vicinity of plants by weeding and loosen up the soil.
			Remove slips and use it as a new planting material.Sucker dipping treatment with Bavistin
	1	1 12	@ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne
		SERCHHIP	disease and insect.
Cucurbits	Vegetation stage	W	Trilling into bower structure. Fertilizer application in split dose of
	}		recommended dose. Weeding near the plant
	1	LUNGLEI	Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	a C	✓ Weeding near the plant✓ Fertilizer application in split dose of
			recommended dose.
		127	preparation mound near the base.
		Disease:	Crop rotation with chillies, tomato etc.Treatment of seed with 3 g of captan or
		Yellow vein mosaic-	thiram per kg before sowing. Spray 560 ml of Malathion 50 EC in
		Tenow vein mosaic-	350 litre of water per acre for the

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			control of vector.
		Pest:	o Spray 150 ml malathion 50 litres of
		Worm-	water acre.
		Spider mite-	o Spray 250 ml of metasystox 25 EC in
	1 1	S	125 litres of water
Brinjal	Vegetation stage	KOLASIB	Weeding near the plant
	1		* Fertilizer application in split dose of
	1	W/2	recommended dose.
	5	2 /	 Draining of excess water and
)	SL	preparation mound near the base.
	1	Disease:	o Seed treatment with captan, thiram or
	· · · · · · · · · · · · · · · · · · ·	Damping off-	chlorothalonil will effectively control
	J MAMIT		this disease.
	1	Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Vegetative stage	1	Trilling into bower structure.
	1		♣ Fertilizer application in split dose of
	1	1 1 1	recommended dose.
	1 5		Weeding near the plant
		SERCHHIP	Draining of excess water and
			preparation mound near the base. ✓ Use of resistant varieties.
		Scab and leaf blight disease	V Use of resistant varieties.
Ginger &	Vegetation stage	uisease	✓ Weeding in turmeric and ginger field
Turmeric	vegetation stage		Gap filling
Turmerie		Leaf spot	o Spraying Dithane M-45 @ 2.5g/litre of
)	LUNGERAL Spot	water or Bavistin @ 1g/litre of water,
		And the second	2-3 sprayings should be given
	\ \	A ()	forthnightly intervals.
	1		o Spraying of Blitox @ 3 g/l of water was
	9		found effective against leaf spot.
Maize	Flowering stage		✓ Weeding in maize plot
		1 21	✓ Topdressing with urea fertilizer.
		Disease:	- Used of resistant varieties.
		Stewart's bacterial	- Field sanitation.
		wilt. SAIHA	- Crop rotation with leguminous crop.
		Pest:	If earworm damage occurs, clipp off the
		Corn earworm	tip of the ear and any affected kernels.

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			The rest of should be fine to eat.
			- Crop rotation with leguminous crop.
Rice	Maximum		✓ One hand weed will require.
	Seedling stage	7	✓ Application of split dose of Urea.
	1 1	Rice Stem borer	To manage the attack a Spray of either
		KOLASIB	validamycin 3L @ 2.5 ml or Hexaconazole
	Į.	1	5 EC @ 2.0 ml or Propiconazole 25 EC @
		44	1 mlper liter of water.
Pig	Ages	Por <mark>cine Reproduc</mark> tive	1. Culling of positive pigs or piglets.
	- (Respiratory Syndrome	
	1	(PRRS).	\
		Swine fever.	2. Vaccination of pigs with SF vaccines at
	7 MAMIT	()	2 months and yearly interval/6 month
	5	ATTAVU CH	interval
Cattle	Ages	Foot and Mouth	• FMD vaccine at 16 week and repeat
	1	Disease (FMD)	every 6 month.
	Į.	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	\	() > 0	Primary vaccination 6 month or
	1 6		above
))	-	Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for
•	Ü	VT L	adult birds.
	1	Coccidiosis	Amprolium or coccidiostat

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Expert committee members:

: Joint Director
Scientist (Agril. Physics)
: Scientist (Hort.)
: Scientist (Soil Sci.)
: Scientist (Vet. Microbiology)
: Farm manager (T6)
Technical Officer
: Meteorological Observer

Collaborating Department:

Dr. Lalmuanzovi	: PC KVK Lunglei
	: PC KVK, Kolasib
Pi. Lalnunpui Parte	: PC KVK, Serchhip
	: PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	: PC KVK, Lawngtlai
	: PC KVK, Saiha

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Dated: 14th August, 2014

• For canker, spray streoptomycin 2g/10 lt

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District: Chhimtuipui Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

	19,760 19,161	I See	C-10		
Parameters	15-08-2014	16-08-2014	17-08-2014	18-08-2014	19-08-2014
Rainfall (mm)	4	V-0	3	3	0
Max Temp (oC)	29	28	28	27	28
Min Temp (oC)	19	19	19	19	18
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	96	97	98	90
Min RH (%)	63	65	63	66	59
Wind Speed (Kmp	H) 4	5	4	4	2
Wind Direction	South-easterly	South-easterly	South-easterly	South-easterly	South-easterly
STATUS OF MON	SOON (August 1-30, 2	014, in bracket perc	cent of variation ov	er normal) will sta	rt shortly
Kolasib-	Kolasib- Champhai- Mamit- Aizawl-			1-	
Serchhip-	Lawngtalia	- \ L	unglei-	Chhir	ntuipui-
	Weather summary of the past three days Weather forecast valid from 15 th August 2014 To 17 th August 2014.				
There is a chance of light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 27-29°C and 18-19°C. Maximum relative humidity is expected in the range of 90-98% and minimum may from 59-66%. Wind direction would be southeasterly with the wind speed of 2-5 km per hour. Partially cloudy sky weather will prevail during the next five days. *Weekly cumulative rainfall:010.0mm*				range for 27-29°C ed in the range of frection would be hour. Partially lays.	
Main Crop/ Animal /Fisheries	Stage	Cultural prac Pest/ Diseas	tices/ Agri	cultural/Horticu husbandry adv	ltural/ animal
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAN	• Wou and r	nulch with dry g ure and suppres	dead twigs. Bordeaux paste grass to conserve s the growth of

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			of water.
			• Excess water removes from the base of
			the plant.
Banana	Vegetative/	1	✓ Remove water sucker, keep 1 or 2 plants
	harvesting		in a single place.
		KOLASIB	✓ Remove sword sucker and use it as new
	1	()	planting material.
	7	" 3 A /	✓ Excess water removes from the base of the plant.
	7		✓ Fertilizer application in split dose of
	1	3 2	recommended dose.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding
**) MAMIT		and loosen up the soil.
	5	AIZAVIL CH	o Remove slips and use it as a new
		C MICHAEL TO	planting material.
)	1	 Sucker dipping treatment with Bavistin
	1	3 600	@ 3g + Chloropyriphos @ 1 g/lt of
	1	1 3 1	water to protect against soil borne
	1 1		disease and insect.
Cucurbits	Vegetation stage	SERCHHIP	Weeding and intercultural operation.Trilling into bower structure.
Cucui bits	vegetation stage		Fertilizer application in split dose of
	1	1	recommended dose.
			Weeding near the plant
			Draining of excess water and
		LUNGLEI	preparation mound near the base.
Okra	Vacatation stage	HEWS EIGHT	✓ Weeding near the plant
OKTA	Vegetation stage	500	✓ Weeding near the plant✓ Fertilizer application in split dose of
	-		recommended dose.
		/ \	✓ Draining of excess water and
			preparation mound near the base.
		Disease:	o Crop rotation with chillies, tomato etc.
		Wilt-	Treatment of seed with 3 g of captan or
		LAWNGTLAL	thiram per kg before sowing.
		Yellow vein mosaic-	o Spray 560 ml of Malathion 50 EC in
			350 litre of water per acre for the control of vector.
			control of vector.

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		Pest:	o Spray 150 ml malathion 50 litres of
		Worm-	water acre.
		Spider mite-	o Spray 250 ml of metasystox 25 EC in
	7. /	1	125 litres of water
Brinjal	Vegetation stage		❖ Weeding near the plant
		KOLASIB	❖ Fertilizer application in split dose of
	4		recommended dose.
	1	Wy)	❖ Draining of excess water and
			preparation mound near the base.
	1	Disease:	o Seed treatment with captan, thiram or
		Damping off-	chlorothalonil will effectively control
	\$ 12000		this disease.
	J MAMIT	Pest:	o Sulfur fungicides can be used to control
C	\$74.4.4	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	7	Trilling into bower structure.Fertilizer application in split dose of
	1	3	recommended dose.
	4		Weeding near the plant
) &		Draining of excess water and
	1		preparation mound near the base.
		Scab and leaf blight	
	The state of the s	disease	C Se of Testistant varieties.
Ginger &	Vegetation stage		✓ Weeding in turmeric and ginger field
Turmeric			✓ Gap filling
		Leaf spot	o Spraying Dithane M-45 @ 2.5g/litre of
	1	LUNGLEI	water or Bavistin @ 1g/litre of water,
	3		2-3 sprayings should be given
			forthnightly intervals.
	1	a (~	• Spraying of Blitox @ 3 g/l of water was
	1	J.\	found effective against leaf spot.
Maize	Flowering stage	1 9 C	✓ Weeding in maize plot
	<u> </u>	(())	✓ Topdressing with urea fertilizer.
		Disease:	- Used of resistant varieties.
		Stewart's bacterial	- Field sanitation.
		LAWNGWIR	- Crop rotation with leguminous crop.
		Pest: SAIHA	- If earworm damage occurs, clipp off the
		Corn earworm	tip of the ear and any affected kernels.
			The rest of should be fine to eat.

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			- Crop rotation with leguminous crop.
Rice	Maximum		✓ One hand weed will require.
	Seedling stage		✓ Application of split dose of Urea.
	7.7	Rice Stem borer	To manage the attack a Spray of either
	1 1	5	validamycin 3L @ 2.5 ml or Hexaconazole
		KOLASIB	5 EC @ 2.0 ml or Propiconazole 25 EC @
	1		1 mlper liter of water.
Pig	Ages	Porcine Reproductive	1. Culling of positive pigs or piglets.
	5	Res <mark>piratory Syndr</mark> ome	
	1	(PRRS).	
		Swine fever.	2. Vaccination of pigs with SF vaccines at
	\$ MAMIT		2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth	EMD ' 16 1 1
	11905	Disease (FMD)	every 6 month.
	1	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	1		Primary vaccination 6 month or
			above
	1 0		 Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Casidissis	
		Coccidiosis	Amprolium or coccidiostat

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Expert committee members:

Dr. S.B. Singh	: Joint Director
Dr. Saurav Saha	: Scientist (Agril. Physics)
Dr. Sudip Kumar Dutta	: Scientist (Hort.)
Dr. A. Ratankumar Singh	: Scientist (Soil Sci.)
Dr. L. H. Puii	: Scientist (Vet. Microbiology)
Dr Y. Ramakrishna	: Farm manager (T6)
Mr. Samik Chowdhury	AZAV: Technical Officer
Evans Syiem	: Meteorological Observer

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei
	:	PC KVK, Kolasib
Pi. Lalnunpui Parte	:	PC KVK, Serchhip
	:	PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	:	PC KVK, Lawngtlai
	:	PC KVK, Saiha

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Dated: 14th August, 2014

District: Kolasib Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

Parameters	15-08-2014	16-08-2014	17-08-2014	18-08-2014	19-08-2014
Rainfall (mm)	5	7	11	20	8
Max Temp (oC)	30	30	27	28	25
Min Temp (oC)	21	21	21	21	20
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	96	99	99	99
Min RH (%)	74	61	70	79	87
Wind Speed (KmpH)	6	6	6	6	6
Wind Direction	South-easterly	Southerly	Southerly	Southerly	South-easterly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) will start shortly

Kolasib- Champhai- Mamit- Aizawl-

Serchhip- Lawngtalia- Lunglei- Chhimtuipui-

Weather summary of the past three days

The temperature range for maximum and minimum were 28.3-29.2°C and 23.0-23.6°C respectively. Partially Cloudy weather was observed. Wind direction is southwesterly. Maximum RH observed 61-84% & minimum of 40-42%. Rainfall recorded for the past three days is 027.9 mm.

Weather forecast valid from 15th August 2014 To 19th August 2014.

CHAMPAL

There is a chance of moderate to light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-30°C and 20-21°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 61-87%. Wind direction would be southeasterly with the wind speed of 6 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:051.0mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural/Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	LAWN Canker S 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.

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			• For canker, spray streoptomycin 2g/10 lt of water.
	5		• 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.
)	Las 5	Remove sword sucker and use it as new planting material.
	}		✓ Excess water removes from the base of the plant.
D: 1	X7 4 63 10 6 0 0 1 T	1	✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL CH	Clean the vicinity of plants by weeding and loosen up the soil.Remove slips and use it as a new
	\	()	planting material. Sucker dipping treatment with Bavistin
	1	7 18	@ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne
		SERCHHIP	disease and insect.
Cucurbits	Vegetation stage	W	Trilling into bower structure. Fertilizer application in split dose of
	}		recommended dose. Weeding near the plant
	1	LUNGLEI	Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	a F	✓ Weeding near the plant✓ Fertilizer application in split dose of
			recommended dose.
	1	127	preparation mound near the base.
		Disease:	Crop rotation with chillies, tomato etc.Treatment of seed with 3 g of captan or
		Yellow vein mosaic-	thiram per kg before sowing. Spray 560 ml of Malathion 50 EC in
		Tenow vein mosaic-	350 litre of water per acre for the

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			control of vector.
		Pest:	o Spray 150 ml malathion 50 litres of
	1	Worm-	water acre.
	7.7	Spider mite-	o Spray 250 ml of metasystox 25 EC in
			125 litres of water
Brinjal	Vegetation stage	KOLASIB	Weeding near the plant
	1		* Fertilizer application in split dose of
)	(A)	recommended dose.
	5	2 - 1	 Draining of excess water and
		STATE OF THE STATE	preparation mound near the base.
		Disease:	o Seed treatment with captan, thiram or
		Damping off-	chlorothalonil will effectively control
	7 MAMIT		this disease.
	5	Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Vegetative stage	1	♣ Trilling into bower structure.
	1	3 & 6	♣ Fertilizer application in split dose of
	\	1 3 15	recommended dose.
	1		Weeding near the plant
	11		→ Draining of excess water and
		SERCHHIP	T T
	N N	Scab and leaf blight	✓ Use of resistant varieties.
		disease	And the state of t
Ginger &	Vegetation stage		✓ Weeding in turmeric and ginger field
Turmeric			✓ Gap filling
		Leaf spot	Spraying Dithane M-45 @ 2.5g/litre of
	1		water or Bavistin @ 1g/litre of water,
		2	2-3 sprayings should be given
	-	(A)	forthnightly intervals.
			o Spraying of Blitox @ 3 g/l of water was
3.6			found effective against leaf spot.
Maize	Flowering stage	1 6 4	✓ Weeding in maize plot
		D:	✓ Topdressing with urea fertilizer.
		Disease:	- Used of resistant varieties.
		Stewart's bacterial wilt.	- Field sanitation.
		, , , , , , , , , , , , , , , , , , ,	- Crop rotation with leguminous crop.
		Pest:	If earworm damage occurs, clipp off the
		Corn earworm	tip of the ear and any affected kernels.

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			The rest of should be fine to eat.
			- Crop rotation with leguminous crop.
Rice	Maximum	for the same	✓ One hand weed will require.
	Seedling stage	7	✓ Application of split dose of Urea.
	1 1	Rice Stem borer	To manage the attack a Spray of either
		KOLASIB	validamycin 3L @ 2.5 ml or Hexaconazole
	1		5 EC @ 2.0 ml or Propiconazole 25 EC @
		W.	1 mlper liter of water.
Pig	Ages	Por <mark>cine Reproduc</mark> tive	1. Culling of positive pigs or piglets.
		Respiratory Syndrome	
	1	(PRRS).	
		Swine fever.	2. Vaccination of pigs with SF vaccines at
	7 MAMIT	()	2 months and yearly interval/6 month
	\$	AIZAWI CL	interval
Cattle	Ages	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	1	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
		() > 1	Primary vaccination 6 month or
	1 1		above
	1)		Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for
•		VT L-s	adult birds.
	4	Coccidiosis	1. Amprolium or coccidiostat

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Expert committee members:

1 /1	
Dr. S.B. Singh	: Joint Director
Dr. Saurav Saha	: Scientist (Agril. Physics)
Dr. Sudip Kumar Dutta	: Scientist (Hort.)
Dr. A. Ratankumar Singh	: Scientist (Soil Sci.)
Dr. L. H. Puii	: Scientist (Vet. Microbiology)
Dr Y. Ramakrishna	: Farm manager (T6)
Mr. Samik Chowdhury	: Technical Officer
Evans Syiem	: Meteorological Observer

Collaborating Department:

Dr. Lalmuanzovi	: PC KVK Lunglei
	: PC KVK, Kolasib
Pi. Lalnunpui Parte	: PC KVK, Serchhip
	: PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	: PC KVK, Lawngtlai
	: PC KVK, Saiha

SAIHA

SERCHHIP

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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: 14th August, 2014

District: Lawngtalai Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

		1/4			
Parameters	15-08-2014	16-08-2014	17-08-2014	18-08-2014	19-08-2014
Rainfall (mm)	12	vellacin	14	9	0
Max Temp (oC)	29	28	28	28	28
Min Temp (oC)	21	20	20	20	19
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy
Max RH (%)	97	94	96	97	90
Min RH (%)	66	68	67	70	63
Wind Speed (Kmp	H) 8	8	6	6	5
Wind Direction	South-easterly	South-easterly	South-easterly	South-easterly	South-easterly
STATUS OF MONS	SOON (August 1-30, 2				
Kolasib-	Champhai-	. N	ſamit-	Aizawl	_
Serchhip-	Lawngtalia	-	unglei-	My.	ituipui-
Weather sumn	nary of the past	Weather for	ecast valid fro	m 15 th August 2	2014 To 19 th
Weather summary of the past three days Weather forecast valid from 15 th August 2014 To 19 th August 2014.					
There is a chance of moderate to light rainfall during the next 4 day. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 19-21°C. Maximum relative humidity is expected in the range of 90-97% and minimum may from 63-70%. Wind direction would be southeasterly with the wind speed of 5-8 km per hour. Partially cloudy sky weather will prevail during the next five days. Weekly cumulative rainfall:046.0mm					
Main Crop/	Stage	Cultural prac		cultural/Horticul	
Animal /Fisheries	Suge	Pest/ Diseas		husbandry adv	
Khasi	Vegetative stage	Canker	• Denne	the diseased and o	land twice
Mandarin	regulative stage	Canker	AIHA Truile		_
Manuarin				nd dressing with	
				nulch with dry g	
		A DO	moist	ture and suppress	the growth of

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



			weed.
			• For canker, spray streoptomycin 2g/10 lt
			of water.
	7 /	5	• Excess water removes from the base of
Banana	Vacatatival	Total Carlotte	the plant.
Danana	Vegetative/ harvesting	KOLASIB	✓ Remove water sucker, keep 1 or 2 plants in a single place.
	nai vesting	LA 1	✓ Remove sword sucker and use it as new
	(3 1	planting material.
	<i>y</i>	to the last of the	✓ Excess water removes from the base of
	1		the plant.
			✓ Fertilizer application in split dose of
	J MAMIT		recommended dose.
Pineapple	Vegetative stage	A AIZAWL CH	o Clean the vicinity of plants by weeding
			and loosen up the soil. o Remove slips and use it as a new
	1	- S	o Remove slips and use it as a new planting material.
	1	1 5	Sucker dipping treatment with Bavistin
) 6		@ 3g + Chloropyriphos @ 1 g/lt of
			water to protect against soil borne
		SERCHHIP	disease and insect.
	T 7	V L	Weeding and intercultural operation.
Cucurbits	Vegetation stage		Trilling into bower structure.
	į.		Fertilizer application in split dose of recommended dose.
		control er	Weeding near the plant
	>	LUNGLEI	■ Draining of excess water and
		CS J	preparation mound near the base.
01	X 7 4 4:		/ XX/ 1' /1 1 /
Okra	Vegetation stage		✓ Weeding near the plant✓ Fertilizer application in split dose of
			recommended dose.
) 53 4	✓ Draining of excess water and
			preparation mound near the base.
		LAW Disease:	o Crop rotation with chillies, tomato etc.
		Wilt- SAIHA	o Treatment of seed with 3 g of captan or
		7.11	thiram per kg before sowing.
		Yellow vein mosaic-	Spray 560 ml of Malathion 50 EC in

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			350 litre of water per acre for the
			control of vector.
		Pest:	o Spray 150 ml malathion 50 litres of
	7.7	Worm-	water acre.
	1 1	Spider mite-	o Spray 250 ml of metasystox 25 EC in
		KOLASIB	125 litres of water
Brinjal	Vegetation stage		Weeding near the plant
	1	(A)	❖ Fertilizer application in split dose of
	5	2 - 1	recommended dose.
	1	5	 Draining of excess water and
			preparation mound near the base.
		Disease:	o Seed treatment with captan, thiram or
	7 MAMIT	Damping off-	chlorothalonil will effectively control
	5	JAIZAVII JCI	this disease.
		Pest:	o Sulfur fungicides can be used to control
	1	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	3 & 6	Trilling into bower structure.
		1 3 1	♣ Fertilizer application in split dose of
			recommended dose.
	1.2		Weeding near the plant
		SERCHHIP	
	No.	N. Company	preparation mound near the base.
	Y	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Ginger &	Vegetation stage		Weeding in turmeric and ginger field
Turmeric	1	LUNGLEI	✓ Gap filling
	-	Leaf spot	o Spraying Dithane M-45 @ 2.5g/litre of
		5~	water or Bavistin @ 1g/litre of water,
		R	2-3 sprayings should be given
	- I		forthnightly intervals.
) 7 ~	o Spraying of Blitox @ 3 g/l of water was
Moiss	Elemenin a steps		found effective against leaf spot.
Maize	Flowering stage	1	✓ Weeding in maize plot
		Disease:	✓ Topdressing with urea fertilizer.- Used of resistant varieties.
		Stewart's bacterial	- Used of resistant varieties Field sanitation.
		wilt.	
			Crop rotation with leguminous crop. If earworm damage occurs, clipp off the
		Pest:	in earworm damage occurs, clipp off the

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		Co <mark>rn</mark> earworm	tip of the ear and any affected kernels.
			The rest of should be fine to eat.
		S	- Crop rotation with leguminous crop.
Rice	Maximum	7	✓ One hand weed will require.
	Seedling stage	5	✓ Application of split dose of Urea.
		Rice Stem borer	To manage the attack a Spray of either
	1		validamycin 3L @ 2.5 ml or Hexaconazole
	9	WA)	5 EC @ 2.0 ml or Propiconazole 25 EC @
	\(\sqrt{\sq}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}\sqrt{\sq}\sq}}\sqrt{\sqrt{\sq}\sq}\sqrt{\sq}\sq}\sq\sint{\sqrt{\sqrt{\sq}\sq}\sq}\sqrt{\sq}\sq}\sq\sint{\sq}\sq}\signt{\sq}\signt{\sq}\signt{\sq}\signt{\sq}\sq}\signt{\sq}	2 - 1	1 mlper liter of water.
Pig	Ages	Porcine Reproductive	1. Culling of positive pigs or piglets.
	Į	Respiratory Syndrome (PRRS).	
	\ MAMIT	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	2	Black Quarter (BQ) SERCHHIP	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat

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Expert committee members:

Dr. S.B. Singh	: Joint Director
Dr. Saurav Saha	Scientist (Agril. Physics)
Dr. Sudip Kumar Dutta	: Scientist (Hort.)
Dr. A. Ratankumar Singh	: Scientist (Soil Sci.)
Dr. L. H. Puii	: Scientist (Vet. Microbiology)
Dr Y. Ramakrishna	: Farm manager (T6)
Mr. Samik Chowdhury	: Technical Officer
Evans Syiem	: Meteorological Observer

Collaborating Department:

Dr. Lalmuanzovi	: PC KVK Lunglei
	: PC KVK, Kolasib
Pi. Lalnunpui Parte	: PC KVK, Serchhip
	: PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	: PC KVK, Lawngtlai
	: PC KVK, Saiha

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Mizoram Centre, Kolasib- 796081, MIZORAM





Dated: 14th August, 2014

District: Lunglei Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

		/	7		
Parameters	15-08-2014	16-08-2014	17-08-2014	18-08-2014	19-08-2014
Rainfall (mm)	4	4	14	9	0
Max Temp (oC)	30	29	28	27	27
Min Temp (oC)	20	20	20	20	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	96	99	99	96
Min RH (%)	61	63	65	69	68
Wind Speed (KmpH	5	5	5	5	3
Wind Direction	South-easterly	South- easterly	South-easterly	South-easterly	South-easterly
STATUS OF MONS	OON (August 1-30, 20		cent of variation ove		t shortly
Kolasib-	Champhai-	1 5	Iamit-	Aizawl	
Serchhip-	Lawngtalia-	L	unglei-	Chhim	ıtuipui-
Weather summer three		Weather for	ecast valid from August		2014 To 19 th
There is a chance of moderate to light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 19-20°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 61-69%. Wind direction would be southeasterly with the wind speed of 3-5 km per hour. Partially cloudy sky weather will prevail during the next five days. Weekly cumulative rainfall:031.0mm					
Main Crop/	Stage	Cultural prac		cultural/Horticul	
Animal /Fisheries		Pest/ Diseas	es	husbandry adv	
	Vegetative stage	Canker	• woul	the diseased and dad dressing with nulch with dry g	Bordeaux paste

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moisture and suppress the growth of

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			weed.
			• For canker, spray streoptomycin 2g/10 lt
			of water.
	7 /	5	• Excess water removes from the base of
Banana	Vacatatival		the plant.
Danana	Vegetative/ harvesting	KOLASIB	✓ Remove water sucker, keep 1 or 2 plants in a single place.
	nai vesting	LA.	✓ Remove sword sucker and use it as new
	(3 1	planting material.
)	the L	✓ Excess water removes from the base of
			the plant.
	-		✓ Fertilizer application in split dose of
	J MAMIT		recommended dose.
Pineapple	Vegetative stage	A AIZAWL CH	o Clean the vicinity of plants by weeding
	(and loosen up the soil. o Remove slips and use it as a new
	1	S	o Remove slips and use it as a new planting material.
	1	1 50	Sucker dipping treatment with Bavistin
) 6		@ 3g + Chloropyriphos @ 1 g/lt of
))		water to protect against soil borne
		SERCHHIP	disease and insect.
~		V	Weeding and intercultural operation.
Cucurbits	Vegetation stage		Trilling into bower structure.
	j.		Fertilizer application in split dose of recommended dose.
		converse ex	Weeding near the plant
	>	LUNGLEI	■ Draining of excess water and
		ČS.	preparation mound near the base.
01	X 7		/ XX 1'
Okra	Vegetation stage	2	✓ Weeding near the plant✓ Fertilizer application in split dose of
		100	recommended dose.
		1 53 4	✓ Draining of excess water and
			preparation mound near the base.
		LAW Disease:	o Crop rotation with chillies, tomato etc.
		Wilt- SAIHA	o Treatment of seed with 3 g of captan or
		7.11	thiram per kg before sowing.
		Yellow vein mosaic-	Spray 560 ml of Malathion 50 EC in

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Pest: Worm- Spider mite- Spray 150 ml malathion 50 litres of water acre.				350 litre of water per acre for the
Spray 250 ml of metasystox 25 EC in 125 litres of water				-
Spray 250 ml of metasystox 25 EC in 125 litres of water			Pest:	
125 litres of water		7.7		
125 litres of water		1 1-1	Spider mite-	o Spray 250 ml of metasystox 25 EC in
## Weeding near the plant ## Fertilizer application in split dose of recommended dose. ## Disease: Damping off- Damping of excess water and preparation in split dose of recommended dose. ## Weeding near the plant Damping of excess water and preparation mound near the base. ## Weeding in turmeric and ginger field Damping off- Damping of excess water and preparation mound near the base. ## Weeding in turmeric and ginger field Dapping off- Damping off- Damping of excess water and preparation mound near the base. ## Draining of excess water and preparation mound near the base. ## Draining of excess water and preparation mound near the base. ## Draining of excess water and preparation mound near the base. ## Draining of excess water and preparation in split dose of recommended dose. ## Weeding in turmeric and ginger field Damping of excess water and preparation mound near the base. ## Draining of excess water and preparation in split dose of recommended dose. ## Draining of excess water and preparation mound near the base. ## Draining of excess water and preparation in split dose of recommended dose. ## Draining of excess water and preparation mound near the base. ## Draining of excess water and preparation in split dose of recommended dose. ## Draining of excess water and preparation in split dose of recommended dose. ## Draining of excess water and preparation in split dose of recommended dose. ## Draining of excess water			And the second section of the second section s	
* Fertilizer application in split dose of recommended dose. * Draining of excess water and preparation mound near the base. * Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. * Pest: * Mites and hoppers- * Cowpea* * Vegetative stage* * Trilling into bower structure. * Fertilizer application in split dose of recommended dose. * Weeding near the plant * Draining of excess water and preparation mound near the base. * Scab and leaf blight disease* * Vegetation stage* * Use of resistant varieties. * Weeding in turmeric and ginger field * Gap filling* * Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.	Brinjal	Vegetation stage	1	 Weeding near the plant
Disease: Damping off- Damping of cxcess water and preparation in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Vegetation stage Damping of excess water and preparation in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Vegetation stage Damping of excess water and chlorothalonil will effectively control this disease. Useding inturper of excess water and preparation mound near the base. Vegetation stage Damping of excess water and chlorothalonil will effectively control this disease. Useding inturper of excess water and preparation mound near the base. Vegetation stage Damping of excess water and except of excess water and preparation mound near the base. Use of resistant varieties. Damping of excess water and preparation mound near the base. Use of resistant varieties. Damping of excess water and preparation mound near the base. Scab and leaf blight disease)	(A)	❖ Fertilizer application in split dose of
Disease: Damping off- Damping off- Pest: Mites and hoppers- Cowpea Vegetative stage Vegetative stage Pest: Mites and hoppers- Cowpea Vegetative stage Vegetative stage Scab and leaf blight disease Cinger & Turmeric Vegetation stage Leaf spot Disease: O Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. Sulfur fungicides can be used to control this pest. Trilling into bower structure. Fertilizer application in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Vegetation stage Turmeric Vegetation stage Scab and leaf blight disease Vegetation stage Cinger & Turmeric and ginger field Gap filling Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.		ζ	1 1	recommended dose.
Disease: Damping off- Damping of chlorothalonil will effectively control this disease. Damping of Damping o		(Draining of excess water and
Cowpea Vegetative stage Vegetative stage Cowpea Cowpea Vegetative stage Cowpea Cowpe		10		preparation mound near the base.
this disease. Pest: Mites and hoppers- Cowpea Vegetative stage Vegetative stage Fertilizer application in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Scab and leaf blight disease Vegetation stage Turmeric Leaf spot this disease. Subject of Sulfur fungicides can be used to control this pest. Trilling into bower structure. Fertilizer application in split dose of recommended dose. Weeding near the plant Use of resistant varieties. Vegetation stage Scab and leaf blight disease Vegetation stage Vegetation stage Jest of Sulfur fungicides can be used to control this pest. Fertilizer application in split dose of recommended dose. Weeding inturmeric and ginger field Gap filling Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.		Ł	Disease:	 Seed treatment with captan, thiram or
Cowpea Vegetative stage SERCHHIP Veeding near the plant Draining of excess water and preparation mound near the base. Vegetation stage Turmeric Vegetation stage Vegetation in split dose of recommended dose.		7 MAMIT	Damping off-	chlorothalonil will effectively control
Cowpea Vegetative stage Fertilizer application in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Scab and leaf blight disease Vegetation stage Turmeric Leaf spot Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.		5	ATTANA CI	this disease.
Cowpea Vegetative stage Frilling into bower structure. Fertilizer application in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Scab and leaf blight disease Vegetation stage Turmeric Vegetation stage Leaf spot Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.			45.00	 Sulfur fungicides can be used to control
Fertilizer application in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Scab and leaf blight disease Vegetation stage Turmeric Leaf spot Vegetation stage Comparison of excess water and preparation mound near the base. Vegetation stage Scab and leaf blight disease Vegetation stage Scab and leaf blight disease Vegetation mound near the base. Vegetation stage Spraying in turmeric and ginger field Gap filling Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.			Mites and hoppers-	this pest.
recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base. Scab and leaf blight disease Vegetation stage Turmeric Vegetation stage Leaf spot Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.	Cowpea	Vegetative stage		Trilling into bower structure.
Weeding near the plant Draining of excess water and preparation mound near the base. Scab and leaf blight disease Vegetation stage Turmeric Vegetation stage Leaf spot Leaf spot Scab and leaf blight disease ✓ Use of resistant varieties. ✓ Weeding in turmeric and ginger field ✓ Gap filling Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.				♣ Fertilizer application in split dose of
Scab and leaf blight disease Vegetation stage		1 6		No. 1 and 1
Scab and leaf blight Scab and leaf blight Use of resistant varieties.		1 1		
Scab and leaf blight disease Wegetation stage Turmeric Vegetation stage Leaf spot Leaf spot Use of resistant varieties. Weeding in turmeric and ginger field Gap filling Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.			SERCHHIP	The state of the s
Ginger & Vegetation stage Turmeric Leaf spot Comparison of the property of			V	
Ginger & Turmeric Vegetation stage Turmeric Leaf spot Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		✓ Use of resistant varieties.
Turmeric Leaf spot Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.			disease	
Leaf spot O Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.		Vegetation stage		
water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals.	Turmeric			1 0
2-3 sprayings should be given forthnightly intervals.		(Leaf spot	
forthnightly intervals.			5000	_
			A 1	1 3 8
o Spraving of Blitox @ 3 g/l of water was				
			100	
found effective against leaf spot.			1 6 3	
Maize Flowering stage Weeding in maize plot	Maize	Flowering stage	Y	
✓ Topdressing with urea fertilizer.			T ANABEST ALSO	
Disease: - Used of resistant varieties.				
Stewart's bacterial - Field sanitation.				T T
wilt. F Crop rotation with leguminous crop.				
Pest: If earworm damage occurs, clipp off the			Pest:	If earworm damage occurs, clipp off the

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Mizoram Centre, Kolasib- 796081, MIZORAM





		Co <mark>rn</mark> earworm	tip of the ear and any affected kernels.
			The rest of should be fine to eat.
		file and the second	- Crop rotation with leguminous crop.
Rice	Maximum	7	✓ One hand weed will require.
	Seedling stage	5	✓ Application of split dose of Urea.
		Rice Stem borer	To manage the attack a Spray of either
	1		validamycin 3L @ 2.5 ml or Hexaconazole
		WAY)	5 EC @ 2.0 ml or Propiconazole 25 EC @
	(2 - 1	1 mlper liter of water.
Pig	Ages	Porcine Reproductive	1. Culling of positive pigs or piglets.
	Į.	Respiratory Syndrome (PRRS).	
	\ MAMIT	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	2	Black Quarter (BQ) SERCHHIP	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM





Expert committee members:

Dr. S.B. Singh	: Joint Director
Dr. Saurav Saha	: Scientist (Agril. Physics)
Dr. Sudip Kumar Dutta	: Scientist (Hort.)
Dr. A. Ratankumar Singh	: Scientist (Soil Sci.)
Dr. L. H. Puii	: Scientist (Vet. Microbiology)
Dr Y. Ramakrishna	: Farm manager (T6)
Mr. Samik Chowdhury	AZAV: Technical Officer
Evans Syiem	: Meteorological Observer

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei
	:	PC KVK, Kolasib
Pi. Lalnunpui Parte	:	PC KVK, Serchhip
	:	PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	:	PC KVK, Lawngtlai
	:	PC KVK, 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)



Dated: 14th August, 2014

District: Mamit Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

Parameters	15-08-2014	16-08-2014	17-08-2014	18-08-2014	19-08-2014
Rainfall (mm)	3	0	17	11	0
Max Temp (oC)	30	30	28	28	26
Min Temp (oC)	22	21	21	21	20
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy
Max RH (%)	96	94	99	99	98
Min RH (%)	70	63	70	75	84
Wind Speed (Kmp	H) 7	7	7	7	5
Wind Direction	South-easterly	South-easterly	South-easterly	South-easterly	South-easterly
STATUS OF MON	SOON (August 1-30, 2	014, in bracket perd	cent of variation ov	er normal) will star	t shortly
Kolasib-	Champhai-	- AIZAVVL IV	CHAMPAI Mamit-	Aizawl	-
Serchhip-	Lawngtalia	Lawngtalia- Lunglei- Chhimtuipui-			ntuipui-
Weather sumr	nary of the past	Weather for	ecast valid fro	m 15 th August 2	2014 To 19 th
	e days	SET	24214441112 2	t 2014.	
	There is a chance of moderate to light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 26-30°C and 20-22°C. Maximum relative humidity is expected in the range of 94-98% and minimum may from 63-84%. Wind direction would be southeasterly with the wind speed of 5-7 km per hour. Partially cloudy sky weather will prevail during the next five days. *Weekly cumulative rainfall:031.0mm*			next 5 days may tive humidity is may from 63-84%. speed of 5-7 km I during the next	
Main Crop/ Animal /Fisheries	Stage	Stage Cultural practices/ Pest/ Diseases Agricultural/Horticultural/ anima husbandry advisories			
Khasi Mandarin	Vegetative stage	LAWN Canker	Wou and a	the diseased and ond dressing with mulch with dry government and suppress.	Bordeaux paste rass to conserve

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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)



			• For canker, spray streoptomycin 2g/10 lt of water.
	Γ	1	• 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.✓ Excess water removes from the base of the plant.
	Į		✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL CH	 Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material.
	3	SERCHHIP	 Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.
Cucurbits	Vegetation stage	LUNGLEI	 Trilling into bower structure. Fertilizer application in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	AL T	 ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		Disease: LAWNGWilt- SAIHA	 Crop rotation with chillies, tomato etc. Treatment of seed with 3 g of captan or thiram per kg before sowing.
		Yellow vein mosaic-	Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the

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			control of vector.
		Pest:	o Spray 150 ml malathion 50 litres of
		Worm-	water acre.
	1. 1	Spider mite-	o Spray 250 ml of metasystox 25 EC in
	1 1	T	125 litres of water
Brinjal	Vegetation stage	KOLASIB	Weeding near the plant
	*		* Fertilizer application in split dose of
	1	W/2	recommended dose.
	5		 Draining of excess water and
	1	5000	preparation mound near the base.
		Disease:	o Seed treatment with captan, thiram or
	\$	Damping off-	chlorothalonil will effectively control
	7 MAMIT		this disease.
	8	Pest:	o Sulfur fungicides can be used to control
C	T 7	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	3	Trilling into bower structure.
	4		Fertilizer application in split dose of
	1		recommended dose.
	1 5		Weeding near the plantDraining of excess water and
		SERCHHIP	
		Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	Use of resistant varieties.
Ginger &	Vegetation stage	uiscasc	✓ Weeding in turmeric and ginger field
Turmeric	vegetation stage		✓ Gap filling
Turmerie		Leaf spot	o Spraying Dithane M-45 @ 2.5g/litre of
)	LUMG-Lear spot	water or Bavistin @ 1g/litre of water,
			2-3 sprayings should be given
		α ?~~	forthnightly intervals.
			o Spraying of Blitox @ 3 g/l of water was
	3	G A	found effective against leaf spot.
Maize	Flowering stage		✓ Weeding in maize plot
		1 2	✓ Topdressing with urea fertilizer.
		Disease:	- Used of resistant varieties.
		Stewart's bacterial	- Field sanitation.
		wilt. SAIHA	- Crop rotation with leguminous crop.
		Pest:	If earworm damage occurs, clipp off the
		Corn earworm	tip of the ear and any affected kernels.
		The Contract of the Contract o	

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			The rest of should be fine to eat.
			- Crop rotation with leguminous crop.
Rice	Maximum		✓ One hand weed will require.
	Seedling stage	7	✓ Application of split dose of Urea.
	1 1	Rice Stem borer	To manage the attack a Spray of either
		KOLASIB	validamycin 3L @ 2.5 ml or Hexaconazole
	1	1	5 EC @ 2.0 ml or Propiconazole 25 EC @
		W.	1 mlper liter of water.
Pig	Ages	Por <mark>cine Reproduc</mark> tive	1. Culling of positive pigs or piglets.
		Respiratory Syndrome	
	1	(PRRS).	
		Swine fever.	2. Vaccination of pigs with SF vaccines at
	7 MAMIT	()	2 months and yearly interval/6 month
	\$	ATTANUT CH	interval
Cattle	Ages	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	1	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
		() 1	Primary vaccination 6 month or
	1 0		above
))		 Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for
		V-L-s	adult birds.
	1	Coccidiosis	Amprolium or coccidiostat

Ja Ru

LUNGLEI

/ SAIHA

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Dr. A. Ratankumar Singh	: Scientist (Soil Sci.)
Dr. L. H. Puii	: Scientist (Vet. Microbiology)
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Mr. Samik Chowdhury	AZAV: Technical Officer
Evans Syiem	: Meteorological Observer

Collaborating Department:

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	:	PC KVK, Kolasib
Pi. Lalnunpui Parte	:	PC KVK, Serchhip
	:	PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	:	PC KVK, Lawngtlai
	:	PC KVK, Saiha

SAIHA

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Parameters

INTEGRATED AGROMET ADVISORY SERVICE

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib-796081, MIZORAM

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



19-08-2014

1 | P a g e

Dated: 14th August, 2014

18-08-2014

District: Serchhhip Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

1 arameters	10-00-2017	10-00-2014	17-00-2017	10-00-2017	19-00-2014
Rainfall (mm)	0	0	4	4	0
Max Temp (oC)	29	28	28	27	26
Min Temp (oC)	19	19	19	19	17
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy
Max RH (%)	99	98	99	100	96
Min RH (%)	60	60	61	65	68
Wind Speed (Km)	OH) 4	4	4	4	2
Wind Direction	South-easterly	South-easterly	South-easterly	South-easterly	South-easterly
STATUS OF MON	SOON (August 1-30, 20)14, in bracket perc	ent of variation ove	r normal) <mark>will sta</mark> r	t shortly
Kolasib-	Champhai-	}	CHAMPAI amit-	Aizawl	
Serchhip-	Lawngtalia-	Li	ınglei-	Chhim	ituipui-
Weather summary of the past three days Weather forecast valid from 15 th August 2014 To 19 th August 2014.					
There is a chance of light rainfall during the next 2 day. The maximum and minimum temperatures for the next 5 days may range for 26-29°C and 17-19°C. Maximum relative humidity is expected in the range of 96-100% and minimum may from 60-68%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially cloudy sky weather will prevail during the next five days. *Weekly cumulative rainfall:008.0mm*					
Main Crop/	Stage	Cultural pract	ices/ Agric	cultural/Horticul	tural/ animal
Animal	~	Pest/ Disease		husbandry adv	
/Fisheries		1 CS II B IS CUS			
Khasi	Vegetative stage	Canker	A Drung	the diseased and o	lood twice
Mandarin	vegetative stage	B			•
ivianuai in		LAWNGTLAL		d dressing with	
		/ / Si		nulch with dry g	
		1		ire and suppress	the growth of
			weed.		
		N N	• For ca	nker, spray streop	otomycin 2g/10 lt

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			of water.
			• Excess water removes from the base of
		A PERMIT	the plant.
Banana	Vegetative/	1	✓ Remove water sucker, keep 1 or 2 plants
	harvesting	V	in a single place.
		KOLASIB	✓ Remove sword sucker and use it as new
		() S	planting material.
	1	7 6 1	✓ Excess water removes from the base of the plant.
	7		✓ Fertilizer application in split dose of
	7	2000	recommended dose.
Pineapple	Vegetative stage		Clean the vicinity of plants by weeding
ттеарые	MAMIT		and loosen up the soil.
	ζ	100	- Domovo cline and use it as a navy
	\ \frac{1}{2}	AIZAWL CH	planting material.
	\	1	o Sucker dipping treatment with Bavistin
	λ.	1 6 7	@ 3g + Chloropyriphos @ 1 g/lt of
	\	() 1	water to protect against soil borne
			disease and insect.
		ACTION IN THE	Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP	8
	\	14 1-3	Fertilizer application in split dose of recommended dose.
	7		Weeding near the plant
	J.		Draining of excess water and
		CONTRACTOR OF THE PARTY OF THE	preparation mound near the base.
	<u> </u>	LUNGLEI	FF
Okra	Vegetation stage		✓ Weeding near the plant
	h		✓ Fertilizer application in split dose of
			recommended dose.
	8	(San P	✓ Draining of excess water and
			preparation mound near the base.
		Disease: Wilt-	o Crop rotation with chiilies, tomato etc. o Treatment of seed with 3 g of captan or
		VVIII-	thiram per kg before sowing.
		Yellow vein mosaic-	o Spray 560 ml of Malathion 50 EC in
		Total III III III III III III III III III I	350 litre of water per acre for the
		0	control of vector.
	-1-		

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		Pest:	o Spray 150 ml malathion 50 litres of
		Worm-	water acre.
		Spider mite-	o Spray 250 ml of metasystox 25 EC in
	7. /	1	125 litres of water
Brinjal	Vegetation stage		❖ Weeding near the plant
		KOLASIB	❖ Fertilizer application in split dose of
	4		recommended dose.
	1	Wy)	❖ Draining of excess water and
			preparation mound near the base.
	1	Disease:	o Seed treatment with captan, thiram or
		Damping off-	chlorothalonil will effectively control
	\$ 12000		this disease.
	J MAMIT	Pest:	o Sulfur fungicides can be used to control
C	\$74.4.4	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	7	Trilling into bower structure.Fertilizer application in split dose of
	1	3	recommended dose.
	4		Weeding near the plant
) &		Draining of excess water and
	1		preparation mound near the base.
		Scab and leaf blight	
		disease	C Se of Testistant varieties.
Ginger &	Vegetation stage		✓ Weeding in turmeric and ginger field
Turmeric			✓ Gap filling
		Leaf spot	o Spraying Dithane M-45 @ 2.5g/litre of
	1	LUNGLEI	water or Bavistin @ 1g/litre of water,
	3		2-3 sprayings should be given
			forthnightly intervals.
	1	a (~	• Spraying of Blitox @ 3 g/l of water was
	1	J.\	found effective against leaf spot.
Maize	Flowering stage	1 9 C	✓ Weeding in maize plot
	<u> </u>	(())	✓ Topdressing with urea fertilizer.
		Disease:	- Used of resistant varieties.
		Stewart's bacterial	- Field sanitation.
		LAWNGWIR	- Crop rotation with leguminous crop.
		Pest: SAIHA	- If earworm damage occurs, clipp off the
		Corn earworm	tip of the ear and any affected kernels.
			The rest of should be fine to eat.

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			- Crop rotation with leguminous crop.
Rice	Maximum		✓ One hand weed will require.
	Seedling stage		✓ Application of split dose of Urea.
	7 1	Rice Stem borer	To manage the attack a Spray of either
	1 1-2	5	validamycin 3L @ 2.5 ml or Hexaconazole
		KOLASIB	5 EC @ 2.0 ml or Propiconazole 25 EC @
	1		1 mlper liter of water.
Pig	Ages	Porcine Reproductive	1. Culling of positive pigs or piglets.
	ζ.	Res <mark>piratory Syndr</mark> ome	
	((PRRS).	
		Swine fever.	2. Vaccination of pigs with SF vaccines at
	Ł.		2 months and yearly interval/6 month
	7 MAMIT		interval
Cattle	Ages	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
		Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	1	3 6	Primary vaccination 6 month or
		1 30	above
	1 0		 Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for
		SERCHHIP	adult birds.
		Coccidiosis	Amprolium or coccidiostat

LUNGLE

LAWNGTLAL SAIHA

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Dr. L. H. Puii	: Scientist (Vet. Microbiology)
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Mr. Samik Chowdhury	AZAV: Technical Officer
Evans Syiem	: Meteorological Observer

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	:	PC KVK, Kolasib
Pi. Lalnunpui Parte	:	PC KVK, Serchhip
	:	PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	:	PC KVK, Lawngtlai
	:	PC KVK, 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)



1 | P a g e

Dated: 14th August, 2014

District: Aizawl Period: 15-19 August, 2014

Bulletin No: -441/2014/ Bulletin/English

	15 A		(
Parameters	15-08-2014	16-08-2014	17-08-2014	18-08-2014	19-08-2014
Rainfall (mm)	4	0	17	11	0
Max Temp (oC)	30	29	28	28	24
Min Temp (oC)	20	20	20	19	18
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	96	99	99	98
Min RH (%)	69	60	66	74	82
Wind Speed (Km)	OH) 5	6	6	6	5
Wind Direction	South-East	South-East	Southerly	South-East	South-East
STATUS OF MON	SOON (August 1-30, 2	014, in bracket percen	t of variation over	normal) will start	shortly
Kolasib-	Champhai-		CHAMPAI mit-	Aizawl-	
Serchhip-	Lawngtalia	- Lur	iglei-	Chhim	tuipui-
Weather summary of the past three days Weather forecast valid from 15 th August 2014 To 19 th August 2014. There is a chance of moderate to light rainfall during the next 3 d The maximum and minimum temperatures for the next 5 days m range for 24-30°C and 18-20°C. Maximum relative humidity expected in the range of 96-99% and minimum may from 60-82 Wind direction would be southeasterly with the wind speed of 5-6 per hour. Partially cloudy sky weather will prevail during the n five days. Weekly cumulative rainfall:032.0mm			the next 3 day. ext 5 days may ve humidity is y from 60-82%. speed of 5-6 km during the next		
Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases Agricultural/Horticultural husbandry advisor			
Khasi Mandarin	Vegetative stage	LAWNCanker	• Wound and mu	de diseased and de dressing with lch with dry gra e and suppress	Bordeaux paste ass to conserve

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		A	• For canker, spray streoptomycin 2g/10 lt of water.
	5		• 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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of
Pineapple	Vegetative stage	AIZAVVL CH	recommended dose. O Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material.
	2	SERCHHIP	 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	Vegetation stage	LUNGLEI	Trilling into bower structure. Fertilizer application in split dose of recommended dose. Weeding near the plant Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	Man Man	 ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		Disease: LAWNGWilt- SAIHA	 Crop rotation with chillies, tomato etc. Treatment of seed with 3 g of captan or thiram per kg before sowing.
		Yellow vein mosaic-	Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the

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			control of vector.
		Pest:	o Spray 150 ml malathion 50 litres of
	1	Worm-	water acre.
	7.7	Spider mite-	o Spray 250 ml of metasystox 25 EC in
		5	125 litres of water
Brinjal	Vegetation stage	KOLASIB	Weeding near the plant
	1		* Fertilizer application in split dose of
)	(recommended dose.
	5	2 1	 Draining of excess water and
	1	STATE OF THE STATE	preparation mound near the base.
		Disease:	 Seed treatment with captan, thiram or
		Damping off-	chlorothalonil will effectively control
	7 MAMIT		this disease.
	5	Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Vegetative stage	1	Trilling into bower structure.
	1	3 & 6	♣ Fertilizer application in split dose of
		1 3 15	recommended dose.
	1		Weeding near the plant
	11		→ Draining of excess water and
		SERCHHIP	P-P
	N N	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Ginger &	Vegetation stage		✓ Weeding in turmeric and ginger field
Turmeric			✓ Gap filling
		Leaf spot	o Spraying Dithane M-45 @ 2.5g/litre of
	1		water or Bavistin @ 1g/litre of water,
	V.	5	2-3 sprayings should be given
	8-7		forthnightly intervals.
	1		o Spraying of Blitox @ 3 g/l of water was
3.7			found effective against leaf spot.
Maize	Flowering stage	1 6 4	✓ Weeding in maize plot
		Discourse	✓ Topdressing with urea fertilizer.
		Disease:	Used of resistant varieties.Field sanitation.
		Stewart's bacterial wilt.	
		, , , , , , , , , , , , , , , , , , ,	- Crop rotation with leguminous crop.
		Pest:	If earworm damage occurs, clipp off the
		Corn earworm	tip of the ear and any affected kernels.

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			The rest of should be fine to eat.
			- Crop rotation with leguminous crop.
Rice	Maximum		✓ One hand weed will require.
	Seedling stage	7	✓ Application of split dose of Urea.
	1 1	Rice Stem borer	To manage the attack a Spray of either
		KOLASIB	validamycin 3L @ 2.5 ml or Hexaconazole
	Į.	1	5 EC @ 2.0 ml or Propiconazole 25 EC @
		44	1 mlper liter of water.
Pig	Ages	Porcine Reproductive	1. Culling of positive pigs or piglets.
	1	Respiratory Syndrome	
	1	(PRRS).	\
		Swine fever.	2. Vaccination of pigs with SF vaccines at
	7 MAMIT	()	2 months and yearly interval/6 month
	5	ATTAVU CH	interval
Cattle	Ages	Foot and Mouth	• FMD vaccine at 16 week and repeat
	1	Disease (FMD)	every 6 month.
	Į.	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	\	() > 0	Primary vaccination 6 month or
	1 6		above
))	-	Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for
•	Ü	VT L	adult birds.
	1	Coccidiosis	Amprolium or coccidiostat

CONOCCI

SAIHA

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	:	PC KVK, Kolasib
Pi. Lalnunpui Parte	:	PC KVK, Serchhip
	:	PC KVK, Champhai
Pu. Vanlalhruaia Hnamte	:	PC KVK, Lawngtlai
	:	PC KVK, Saiha

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