

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 9thFebruary-13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	0	0	0	4	5
Max Temp (°C)	29	28	27	27	26
Min Temp (°C)	10	10	12	12	12
Cloud Coverage	Mainly clear				
Max RH (%)	88	90	85	87	95
Min RH (%)	20	22	21	24	76
Wind Speed (KmpH)	3.8	3.9	3.8	3.6	3.7
*Wind Direction	S-E	S-E	E	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.

Weather	summary	of the	past
	three day	7 <b>S</b>	

Maximum Tem. (°C):16-18°C Minimum Tem. (°C):05°-09°C

Maximum RH (%):68-86% Minimum RH (%):41-52%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2.42 km/hr

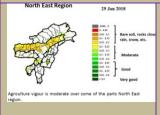
Rainfall: 0.0 mm

Weather forecast valid from 9<sup>th</sup>February, 2019 To 13<sup>th</sup>February, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26-29°C and 10-12°C. Maximum relative humidity is expected in the range of 85-95% and minimum may from 20-76%. Wind direction would be easterly to southeasterly with the wind speed of 3.6-3.8 km per hour. Clear sky will prevail during the next five days.

### Weekly cumulative rainfall: 9.0 mm

**NDVI for Mizoram** 



Dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	KOLASIB	upcoming 5 days and temperature will
		1	be high.
	}	W V	4 Thinning must be done where more
	(	113 A /	population was observed.
	7		♣ Irrigation should be provide 3 days
	/		interval
			♣ Apply 2% urea solution for better
	∑ MAMIT	1	growth.
	) meanin	\	<b>♣</b> Weeding and earthing up should be
	<b>}</b>	AIZAWL	carried out.
	l l	1	♣ Leaf and stem cutter insect will be more
	l l	1 3	so apply any contact poison for reducing
	i,		pest population.
Zero tillage	Vegetative	Zero tillage	■ Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,			♣ Weeding should be done.
toria and pea		SERCH	☐ Collection and destruction of damage
•		V (	plant or plant part and spraying of any
	\ \	<u></u>	systemic insecticide @ 2ml/lit should be
		7	done.
			♣ Apply 2% urea solution to avoid stress
Donaida		LUNGLEI	condition.
Fruits			
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage 🥄	0	or pale yellow or orange.
			Outer rind looks shiny and one can see
			oil glands on the fruit.  Harvest all mature fruit.
			Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		riuit ily	or malathion 0.15 per cent suspension
		LAWNGTLAL	containing sugar or jeggery at 10 g/l at
		/ SAIHA	fortnightly intervals at flowering and fruit
			initiation.
Strawberry	Vegetative		Possibility of rain will be very less. So
	stage	2 1	provide water every alternate day.
		74. /	2   Page

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Vegetable	N	KOLASIB	<ul> <li>Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Weeding should to do properly with proper fertilizer use.</li> </ul>
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be low.  Larthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white
Potato	Vegetative stage	SERCHI	<ul> <li>rust of mustard</li> <li>Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.</li> <li>According to forecast and past weather</li> </ul>
Animal Husban	dry	LUNGLEI	or o
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI SAIH	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬ F/Lasota, 14-18</li> </ul>

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			days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7
			weeks: Chicken embryo adopted fowl
			pox vaccine and 56-70 days: RD R-
	) \	J 9	2B strain.
Pig	All stages	\ variable	Animals must keep in dry place or kept
		KOLASIB	in alleviated area and dry bedding
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1	(straw) to be provided to young
	/	"\ . )	animals.
	>		↓ 1st injection at 6 months of age and 2nd
	)	5 6	injection at 12 months of age followed
			by annual vaccination under vet
		/	supervision against FMD.
	A MAMIT		Reduce concentrate diet up to 5%.
	(		Provide adequate potable water.
	\ \ \	AIZAWL	In present weather conditions vaccinate
	\		against swine fever (Vaccines available
	\		in State Veterinary Departs)
Fishery	\		<u> </u>
	Monitoring of		4 Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
		SERCH	the Count mounts is absenced in Cal-
		SERUN	feed, the feed needs to be sundried for
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V	few days prior to feeding.
			Fish feed should be stored in cool and
			dry place to avoid fungal growth that
			releases aflatoxin which could lead to
	\	LUNGLEI	mortality of fish.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	the fact I to fact the facet	Fish harvesting may be carried out by
		A.	complete dewatering of pond. After
	<u> </u>	a { ~	dewatering, the pond may be prepared
		1 1	for the next cycle by sundrying of
			bottom, applying lime, manure,
			fertilizers etc.
		) ~ ~ ~ ~ ~	Fish needs to be monitored regularly to
		1	observe any sign of diseases and if
		LAWNGTLAL	disease is observed, consult expert
			immediately and water sample needs to
		SAIH	be analyzed.
			# Immediate measure of application of
			lime and potassium permanganate
	1	7	

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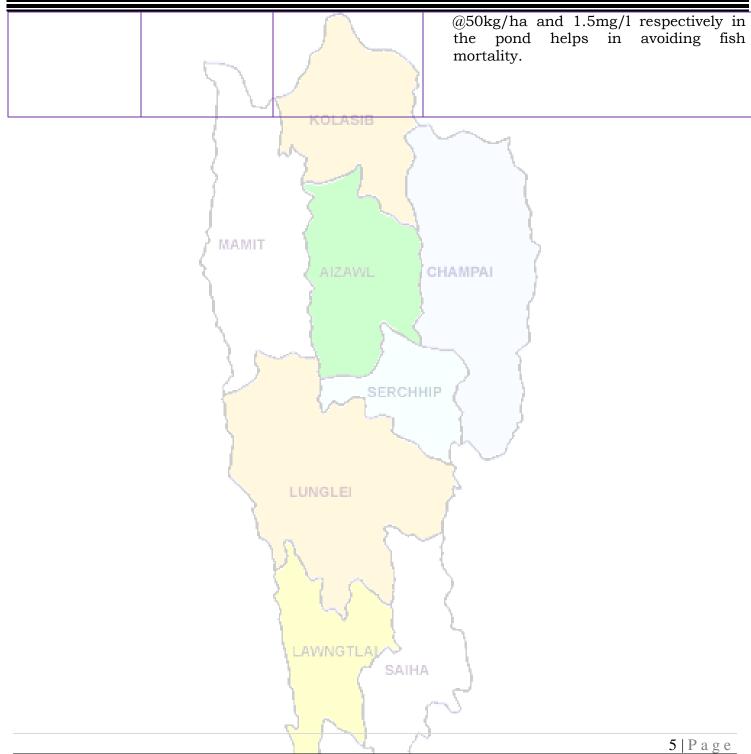


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### **Expert committee members:**

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Champhai Period: 9thFebruary-13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	0	0	0	1	4
Max Temp (°C)	28	29	27	28	26
Min Temp (°C)	9	9	10	11	10
Cloud Coverage	Mainly clear				
Max RH (%)	88	89	89	87	93
Min RH (%)	15	13	14	15	61
Wind Speed (KmpH)	4.3	4.5	4.1	4	3.7
*Wind Direction	E	E	E	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.

Weather summary of the past three days

Maximum Tem. (°C):14-18°C Minimum Tem. (°C):04°-08°C Maximum RH (%):71-84%

Minimum RH (%):33-38%
Wind Direction: Southeasterly

Cloud cover: Clear sky
Wind speed: 2.28 km/hr

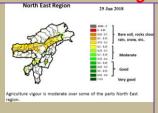
Rainfall: 0.0 mm

Weather forecast valid from 9<sup>th</sup>February, 2019 To 13<sup>th</sup>February, 2019

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26-29°C and 9-11°C. Maximum relative humidity is expected in the range of 87-93% and minimum may from 13-61%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 3.7-4.5 km per hour. Clear sky will prevail during the next five days.

### Weekly cumulative rainfall: 5.0 mm

**NDVI for Mizoram** 



Dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	KOLASIB	upcoming 5 days and temperature will
		NOCAGID	be high.
	)	W /	4 Thinning must be done where more
	(	3 4 /	population was observed.
	(		♣ Irrigation should be provide 3 days
	j j		interval
	J		♣ Apply 2% urea solution for better
	A MAMIT	1	growth.
			■ Weeding and earthing up should be
	₹	AIZAWL	carried out.
	\		♣ Leaf and stem cutter insect will be more
	\	( )	so apply any contact poison for reducing
	<u> </u>		pest population.
Zero tillage	Vegetative	Zero tillage	♣ Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,		SEDUNI	Weeding should be done.
toria and pea		SERUIT SERUIT	Collection and destruction of damage plant or plant part and spraying of any
		· · · · · · · · · · · · · · · · · · ·	systemic insecticide @ 2ml/lit should be
			done.
			Apply 2% urea solution to avoid stress
			condition.
Fruits	1	LUNGLEI	7
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage		or pale yellow or orange.
			♣ Outer rind looks shiny and one can see
		/ \ \	oil glands on the fruit.
			♣ Harvest all mature fruit.
		V C 4	♣ Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		LAWNGTLAL	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
		SAIHA	
		JAIN.	initiation.
Strawberry	Vegetative		Possibility of rain will be very less. So
	stage		provide water every alternate day.
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Vegetable	7	KOLASIB	<ul> <li>Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Weeding should to do properly with proper fertilizer use.</li> </ul>
Tomato, crucifer, onion, brinjal and chill	Vegetative stage MAMIT	AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be low.  Larthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white
Potato	Vegetative		rust of mustard  Larthing up should be done near to the
Totato	stage	SERCHI	<ul><li>plant for better growth of tubers and avoid greening of tuber.</li><li>According to forecast and past weather</li></ul>
Animal Husban	dry	LUNGLEI	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬ F/Lasota, 14-18</li> </ul>

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			days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7
			weeks: Chicken embryo adopted fowl
		/ /	pox vaccine and 56-70 days: RD R-
	1 \		2B strain.
Pig	All stages	KOLASIB	♣ Animals must keep in dry place or kept
		KOLASIB	in alleviated area and dry bedding
			(straw) to be provided to young
	/	~ 7	animals.
	)		<b>↓</b> 1st injection at 6 months of age and 2nd
	}		injection at 12 months of age followed
			by annual vaccination under vet
	J		supervision against FMD.
	MAMIT (		Reduce concentrate diet up to 5%.
			Provide adequate potable water.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	AIZAWL	In present weather conditions vaccinate
	l l	1	against swine fever (Vaccines available
			· · · · · · · · · · · · · · · · · · ·
Total .	1		in State Veterinary Departs)
Fishery	1		
	Monitoring of	~ /	Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
	F	SERCHI	the fungal growth is observed in fish
	1		feed, the feed needs to be sundried for
			few days prior to feeding.
		7	Fish feed should be stored in cool and
			dry place to avoid fungal growth that
			releases aflatoxin which could lead to
		LUNGLEI	mortality of fish.
	}		Fish harvesting may be carried out by
		<u> </u>	complete dewatering of pond. After
	1	( ~	dewatering, the pond may be prepared
			for the next cycle by sundrying of
			bottom, applying lime, manure,
		2 1 5 1	fertilizers etc.
			Fish needs to be monitored regularly to
		1	observe any sign of diseases and if
		LAWNGTLAL	disease is observed, consult expert
			immediately and water sample needs to
		SAIH.	be analyzed.
			♣ Immediate measure of application of
			lime and potassium permanganate
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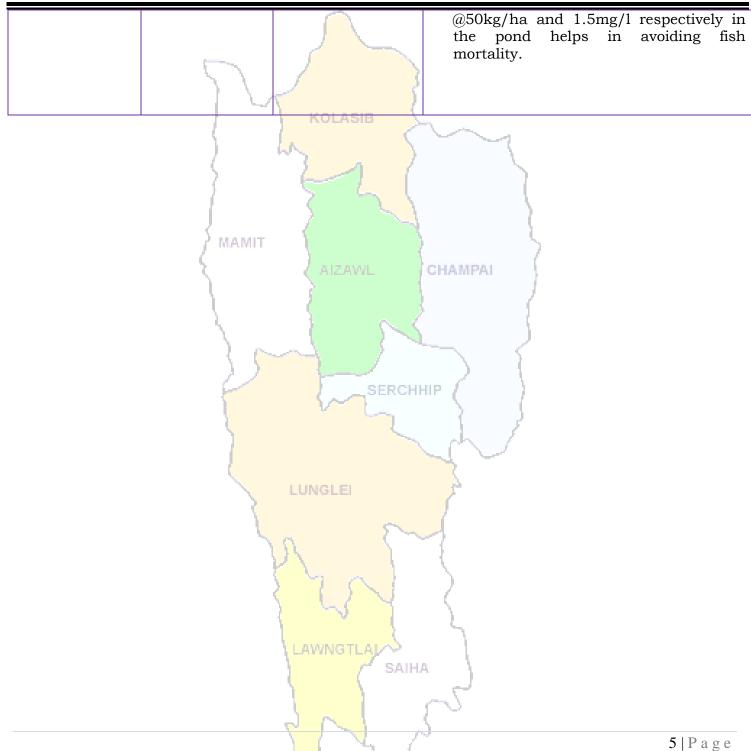


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District: Kolasib Period: 9thFebruary-13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	0	0	0	4	4
Max Temp (°C)	26	26	27	25	22
Min Temp (°C)	9	8	9	10	11
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Mainly clear	Mainly clear
Max RH (%)	90	88	86	92	97
Min RH (%)	23	26	23	31	84
Wind Speed (KmpH)	3.4	3.4	3.5	3	3.5
*Wind Direction	S-E	S-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.

Weather summary of the past	Weather forecast valid from 9th February, 2019 To
three days	13 <sup>th</sup> February, 2019
Maximum Tem. (°C):20-22°C	There is no chance of rainfall during the next 5 days.

Minimum Tem. (°C):11°-12°C Maximum RH (%):68-76% Minimum RH (%):28-38% Wind Direction: Southeasterly

Cloud cover: Clear sky
Wind speed: 2.45 km/hr

Rainfall: 0.0 mm

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 22-27°C and 9-11°C. Maximum relative humidity is expected in the range of 86-97% and minimum may from 23-84%. Wind direction would be southeasterly with the wind speed of 3-3.5 km per hour. Clear sky will prevail during the next five days.

### Weekly cumulative rainfall: 8.0 mm

NDVI for Mizoram		North East Region	29 Jan 20	18
		Agriculture vigour is moderate over s	41 - 4.65 016 - 0.2 22 - 222 4.75 - 0.3 3.7 - 225 4.75 - 0.4 6.6 - 1.65 4.6 - 6.5 4.6 - 6.5 4.7 - 6.6 4.7 - 6.6	Bare soll, rocks clor rain, snow, etc.  Moderate  Good  Very good  North East
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Dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			,
Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	KOLASIB	upcoming 5 days and temperature will
	]	ROLAGID	be high.
	}	W /	4 Thinning must be done where more
	(	113 A /	population was observed.
	7		♣ Irrigation should be provide 3 days
	/		interval
			♣ Apply 2% urea solution for better
	∑ MAMIT	( )	growth.
	) meanin	\	♣ Weeding and earthing up should be
	}	AIZAWL	carried out.
	l l		↓ Leaf and stem cutter insect will be more
	l l	1 3	so apply any contact poison for reducing
	i,		pest population.
Zero tillage	Vegetative	Zero tillage	♣ Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,			♣ Weeding should be done.
toria and pea		SERCH	4 Collection and destruction of damage
•		V (	plant or plant part and spraying of any
	\ \	<u></u>	systemic insecticide @ 2ml/lit should be
		7	done.
			4 Apply 2% urea solution to avoid stress
Donaida		LUNGLEI	condition.
Fruits	:		
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage 🥄	0	or pale yellow or orange.
			Outer rind looks shiny and one can see
		4 1	oil glands on the fruit.  Harvest all mature fruit.
			Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		Fluit Hy	or malathion 0.15 per cent suspension
		LAWNGTLAL	containing sugar or jeggery at 10 g/l at
		/ SAIHA	fortnightly intervals at flowering and fruit
			initiation.
Strawberry	Vegetative		Possibility of rain will be very less. So
	stage	20	provide water every alternate day.
		1 1	2   Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Vegetable	N	KOLASIB	<ul> <li>Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Weeding should to do properly with proper fertilizer use.</li> </ul>
Tomato, crucifer, onion, brinjal and chill	Vegetative stage MAMIT	AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be low.  Larthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white
Potato	Vegetative stage	SERCH	<ul> <li>rust of mustard</li> <li>Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.</li> <li>According to forecast and past weather</li> </ul>
Animal Husban	dry	LUNGLEI	POT COLLEGE
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18</li> </ul>

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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)



	57		days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Pig	All stages	KOLASIB	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
Fishery	\		J 1
v	Monitoring of fish in pond	LUNGLEI	feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to
	l	7	mic aid potassiam permanganate
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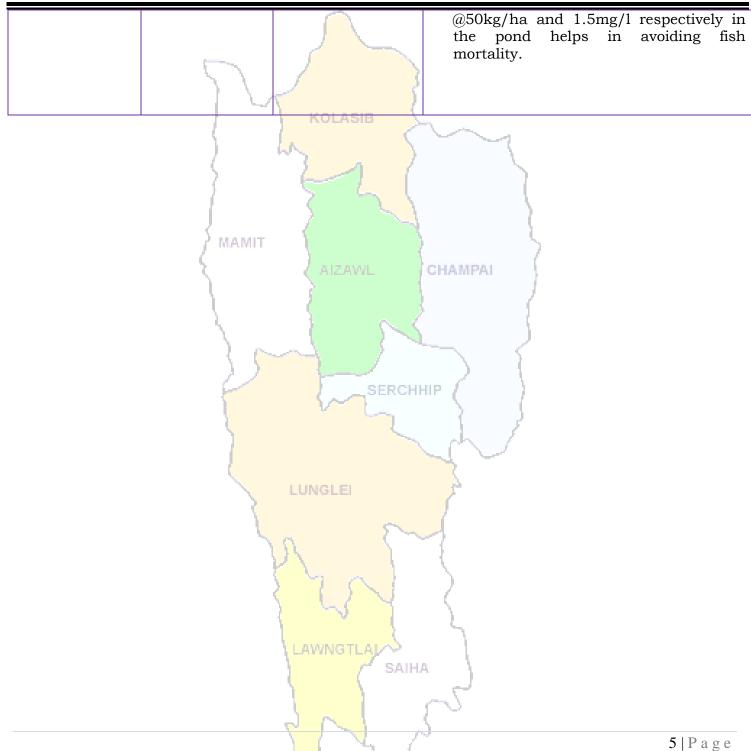


#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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





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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 9thFebruary-13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	2	1	0	0	1
Max Temp (°C)	29	28	27	28	27
Min Temp (°C)	10	10	11	12	10
Cloud Coverage	Mainly clear				
Max RH (%)	86	80	79	80	88
Min RH (%)	19	21	18	17	32
Wind Speed (KmpH)	3.8	3.9	3.8	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.

Weather	summary	of the	past
	three day	7S	

Maximum Tem. (°C):18-22°C Minimum Tem. (°C):09°-12°C Maximum RH (%):64-78%

Minimum RH (%):28-39% Wind Direction: Southeasterly

Cloud cover: Clear sky
Wind speed: 2.49 km/hr

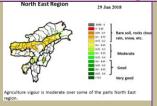
Rainfall: 0.0 mm

Weather forecast valid from 9<sup>th</sup>February, 2019 To 13<sup>th</sup>February, 2019

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 10-12°C. Maximum relative humidity is expected in the range of 79-88% and minimum may from 17-32%. Wind direction would be northeasterly to easterly and northeasterly with the wind speed of 3.8-4 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 4.0 mm

NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.

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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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	KOLASIB	upcoming 5 days and temperature will
	l !	1	be high.
	}	W V	4 Thinning must be done where more
	(	113 A /	population was observed.
	7		♣ Irrigation should be provide 3 days
	/		interval
			♣ Apply 2% urea solution for better
	∑ MAMIT	1	growth.
	) median i	\	<b>♣</b> Weeding and earthing up should be
	}	AIZAWL	carried out.
	ì		♣ Leaf and stem cutter insect will be more
	l l	1 3	so apply any contact poison for reducing
	i,		pest population.
Zero tillage	Vegetative	Zero tillage	■ Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,			♣ Weeding should be done.
toria and pea	ļ	SERCH	☐ Collection and destruction of damage
		V - (	plant or plant part and spraying of any
	\ \		systemic insecticide @ 2ml/lit should be
		7	done.
			♣ Apply 2% urea solution to avoid stress
D		LUNGLEI	condition.
Fruits			
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage 🥄	0	or pale yellow or orange.
			Outer rind looks shiny and one can see
			oil glands on the fruit.  Harvest all mature fruit.
		Fruit fly	<ul><li>♣ Purn all disease infected part.</li><li>♣ In large gardens apply carbaryl 0.2 per cent</li></ul>
		Fluit IIy	or malathion 0.15 per cent suspension
		LAWNGTLAL	containing sugar or jeggery at 10 g/l at
		SAIHA	fortnightly intervals at flowering and fruit
			initiation.
Strawberry	Vegetative		Possibility of rain will be very less. So
	stage	2 1	provide water every alternate day.
		74. /	2   Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Vegetable	7	KOLASIB	<ul> <li>Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Weeding should to do properly with proper fertilizer use.</li> </ul>
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be low.  Larthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white
Potato	Vegetative stage	SERCHI	rust of mustard  ♣ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.  ♣ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.  ♣ Apply split dose of nitrogenous fertilizer.
Animal Husban	dry	LUNGLEI	7
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWINGTLAI	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18</li> </ul>

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	57		days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Pig	All stages	KOLASIB	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
Fishery	\		,
	Monitoring of fish in pond	LUNGLEI	feed, the feed needs to be sundried for few days prior to feeding.  Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to
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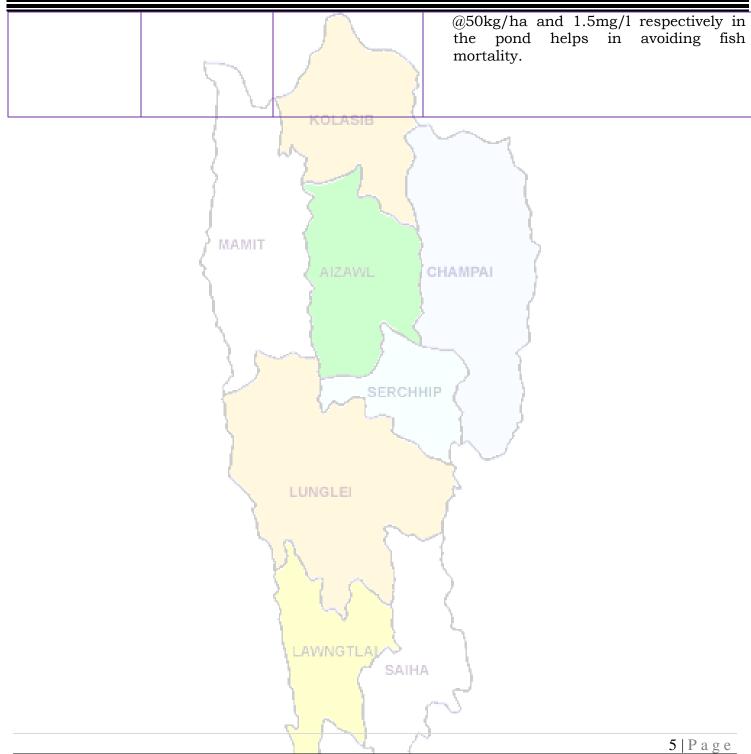


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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 9thFebruary-13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	1	0	0	0	2
Max Temp (°C)	28	27	29	28	29
Min Temp (°C)	11	11	10	12	14
Cloud Coverage	Mainly clear				
Max RH (%)	88	80	89	80	80
Min RH (%)	17	19	18	18	37
Wind Speed (KmpH)	4	4.1	4.1	4.5	4.4
*Wind Direction	E	E	E	E	E

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

Weather	summary	of	the	past
	three day	<b>7</b> S		

Maximum Tem. (°C):14-18°C Minimum Tem. (°C):05°-09°C Maximum RH (%):64-77% Minimum RH (%):29-41%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2.14 km/hr

Rainfall: 0.0 mm

# Weather forecast valid from 9<sup>th</sup>February, 2019 To 13<sup>th</sup>February, 2019

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-29°C and 10-14°C. Maximum relative humidity is expected in the range of 80-89% and minimum may from 17-37%. Wind direction would be easterly with the wind speed of 4-4.5 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 3.0 mm

NOTH East Region

29 Jan 2018

North East Region

29 Jan 2018

Bare soil, rocks
rate, store, store
rate, store, store
rate, store, store
rate, store, store
region.

Dry condition occurs in all districts of Mizoram.

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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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	KOLASIB	upcoming 5 days and temperature will
		Nothing	be high.
	}	W V	4 Thinning must be done where more
	(	3 4 /	population was observed.
	{		♣ Irrigation should be provide 3 days
	/		interval
			♣ Apply 2% urea solution for better
	∑ MAMIT	1	growth.
	/ median i	\	♣ Weeding and earthing up should be
	3	AIZAWL	carried out.
	ì		♣ Leaf and stem cutter insect will be more
	l	1 3	so apply any contact poison for reducing
	1		pest population.
Zero tillage	Vegetative	Zero tillage	■ Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,	1//		♣ Weeding should be done.
toria and pea	-	SERCH	☐ Collection and destruction of damage
		V - (	plant or plant part and spraying of any
	\ \		systemic insecticide @ 2ml/lit should be
		7	done.
	(		♣ Apply 2% urea solution to avoid stress
D 14		LUNGLEI	condition.
Fruits			
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage 🥄	0 (7	or pale yellow or orange.
			Outer rind looks shiny and one can see
			oil glands on the fruit.  Harvest all mature fruit.
		Fruit fly	<ul><li>♣ Purn all disease infected part.</li><li>♣ In large gardens apply carbaryl 0.2 per cent</li></ul>
		Fluit Hy	or malathion 0.15 per cent suspension
		LAWNGTLAJ	containing sugar or jeggery at 10 g/l at
		→ SAIHA	fortnightly intervals at flowering and fruit
			initiation.
Strawberry	Vegetative		Possibility of rain will be very less. So
	stage	20	provide water every alternate day.
		V. V.	2   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Vegetable	7	KOLASIB	<ul> <li>Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Weeding should to do properly with proper fertilizer use.</li> </ul>
Tomato, crucifer, onion, brinjal and chill	Vegetative stage MAMIT	AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be low.  Larthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white
Potato	Vegetative stage	SERCHI	<ul> <li>rust of mustard</li> <li>Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.</li> <li>According to forecast and past weather</li> </ul>
Animal Husban	dry	LUNGLEI	or o
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWINGTLAI	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18</li> </ul>

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7
			weeks: Chicken embryo adopted fowl
		/ /	pox vaccine and 56-70 days: RD R-
	1 \		2B strain.
Pig	All stages	KOLASIB	♣ Animals must keep in dry place or kept
		KOLASIB	in alleviated area and dry bedding
			(straw) to be provided to young
	/	~ )	animals.
	) ·		↓ 1 <sup>st</sup> injection at 6 months of age and 2nd
	)	5 6	injection at 12 months of age followed
			by annual vaccination under vet
	J		supervision against FMD.
	MAMIT (		Reduce concentrate diet up to 5%.
		)	Provide adequate potable water.
	3	AIZAWL	In present weather conditions vaccinate
	l l	1	against swine fever (Vaccines available
		7	· · · · · · · · · · · · · · · · · · ·
T2 -1	1	-	in State Veterinary Departs)
Fishery	35 11 1		
	Monitoring of	~ / /	Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
	S	SERCH	the fungal growth is observed in fish
	1	V~	feed, the feed needs to be sundried for
	1	-	few days prior to feeding.
			Fish feed should be stored in cool and
	j		dry place to avoid fungal growth that
			releases aflatoxin which could lead to
		LUNGLEI	mortality of fish.
	3		Fish harvesting may be carried out by
		C.	complete dewatering of pond. After
	*	0 ( )	dewatering, the pond may be prepared
			for the next cycle by sundrying of
			bottom, applying lime, manure,
		2 1 3 3	fertilizers etc.
			Fish needs to be monitored regularly to
			observe any sign of diseases and if
		LAWNGTLAL	disease is observed, consult expert
		SAIH	immediately and water sample needs to
		( SAIR.	be analyzed.
			↓ Immediate measure of application of
			lime and potassium permanganate
		P C	
			4   P a g e

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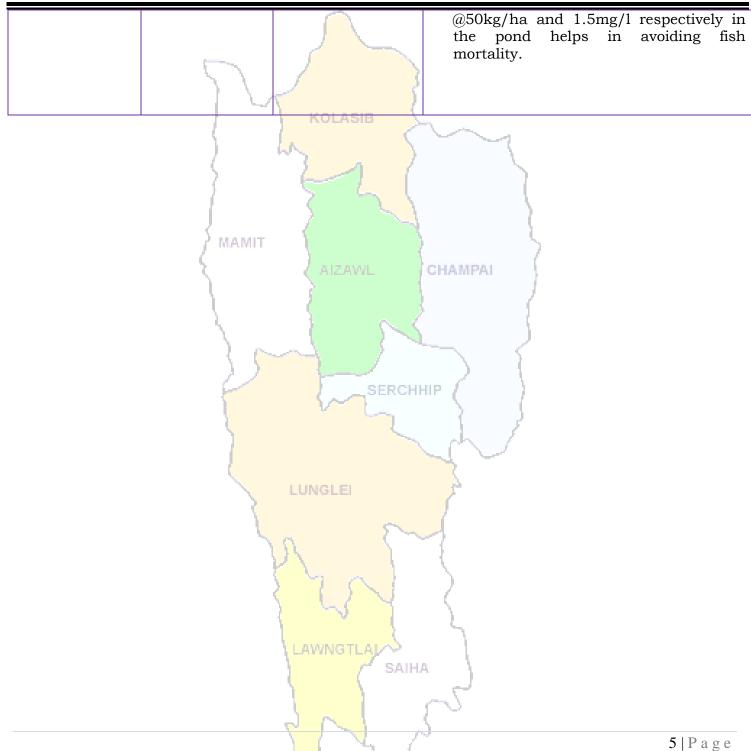


#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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





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Parameters

### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District: Mamit** Period: 9thFebruary-13thFebruary, 2019

09.02.2019 10.02.2019

Bulletin No: - 852/2019/ Bulletin/English

11.02.2019	12.02.2019	13.02.2019
0	4	4
24	26	25

Date of issue: 8thFebruary, 2019

1 didilictors	07.02.2017	10.02.2017	11.02.2017	12.02.2017	10.02.2017
Rainfall (mm)	0	0	0	4	4
Max Temp (°C)	24	25	24	26	25
Min Temp (°C)	9	10	11	12	13
Cloud Coverage	Clear sky	Clear sky	Mainly clear	Partially clear	Partially clear
Max RH (%)	88	90	90	88	95
Min RH (%)	21	23	23	28	82
Wind Speed (KmpH)	3.3	3.4	3.5	3.8	3
*Wind Direction	S-E	S-E	S-E	E	S-E
WY 4.5	4 27 27 44 22				

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

Weather summary of the past	Weather forecast valid from 9thFebruary, 2019 To
three days	13 <sup>th</sup> February, 2019.
	There is no chance of rainfall during the next 5 days.
Minimum Tem. (°C):12°-14°C	maximum and minimum temperatures for the next 5 d

Maximum RH (%):67-72% Minimum RH (%):28-40% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2.51 km/hr

Rainfall: 0.0 mm

NDVI for Mizoram

The days may range for 24-26°C and 9-13°C. Maximum relative humidity is expected in the range of 88-95% and minimum may from 21-82%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 3-3.8 km per hour. Clear sky will prevail during the next five days.

### Weekly cumulative rainfall: 8.0 mm

Dry condition occurs in all districts of

		Agriculture vigour is moderate over some of the parts North East region.	Mizoram.
Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural / animal husbandry advisories

Cereals

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



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Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	J. \	upcoming 5 days and temperature will
			be high.
		\ / \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	♣ Thinning must be done where more
	) \	7	population was observed.
		Vol. com	♣ Irrigation should be provide 3 days
		KOLASIB	interval
	1		♣ Apply 2% urea solution for better
	/	"\	growth.
	· · · · · · · · · · · · · · · · · · ·		♣ Weeding and earthing up should be
	}	> 5	carried out.
			♣ Leaf and stem cutter insect will be more
	₹		so apply any contact poison for reducing
	/ MAMIT		pest population.
Zero tillage	Vegetative	Zero tillage	Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,	Ĩ		♣ Weeding should be done.
toria and pea	)	- A /	<b>♣</b> Collection and destruction of damage
torra arra poa	1		plant or plant part and spraying of any
	1		systemic insecticide @ 2ml/lit should be
	))		done.
	Service Service	SERCH	Apply 2% urea solution to avoid stress
			condition.
Fruits			
Citrus	Harvesti <mark>ng</mark>	Citrus Canker	Colour changes from green to pale green
	stage		or pale yellow or orange.
		LUNGLEI	Outer rind looks shiny and one can see
		LUNGLE	oil glands on the fruit.
		_	Harvest all mature fruit.
		S = 11 = 5	Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
			containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit
		1 6 4	initiation.
Strawberry	Vegetative	1	♣ Possibility of rain will be very less. So
	stage	LAWNGTLAL	provide water every alternate day.
			4 Possibility to occurrence of Powdery
		SAIH	mildew will be high so apply any sulpher
			based fungicide to reduce disease
			incidence.
		7	1

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			Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB	There is possibility of less rain in upcoming 5 days and temperature will be low.  Earthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage	AIZAWL	<ul> <li>Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.</li> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Apply split dose of nitrogenous fertilizer.</li> </ul>
Animal Husban			3
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LUNGLEI LAWNGTLAI SAIH.	Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding.  Vaccination as per the schedule with proper consultation with vet.  Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD

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			2B strain.
Pig	All stages		Animals must keep in dry place or kep in alleviated area and dry bedding (straw) to be provided to young
	MAMIT	KOLASIB	animals.  1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under versupervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery		SAICHVII	
	Monitoring of fish in pond	LUNGLEI	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. I the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying or bottom, applying lime, manure fertilizers etc.</li> <li>Fish needs to be monitored regularly to observe any sign of diseases and in the first production.</li> </ul>
		LAWNGTLAI	observe any sign of diseases and i disease is observed, consult experimmediately and water sample needs to be analyzed.  Immediate measure of application or lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Date of issue: 8thFebruary, 2019

District: Saiha Period: 9thFebruary-13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

		1	The second secon		
Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	2	0	0	0	0
Max Temp (°C)	29	28	27	28	27
Min Temp (°C)	10	10	11	12	11
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	88	90	89	90	87
Min RH (%)	15	17	14	13	31
Wind Speed (KmpH)	4.3	4.2	4.3	4.4	4.5
*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.

Weather summ	ary of the past	Weather foreca	ast valid from 9thFebruary, 2019 To	
three	days		13 <sup>th</sup> February, 2019	
Maximum Tem. (Maximum RH (Minimum RH (Minimum RH (Minimum RH (Mind Direction: Cloud cover: Cleud cover: Cleud speed: 2.16	°C):04°-08°C ):60-78% ):29-39% Southeasterly ar sky	There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 10-12°C. Maximum relative humidity is expected in the range of 87-90% and minimum may from 13-31%. Wind direction would be easterly with the wind speed of 4.2-4.5 km per hour. Clear sky will prevail during the next five days.		
Rainfall: 0.0 mm		Weekly	cumulative rainfall: 2.0 mm	
NDVI for Mizoram		North East Region  29 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Bare soil, rocks door rate, snow, etc.  30 Jan 2018  Moderate  Agriculture vigour is moderate over some of the parts North East region.	Dry condition occurs in all districts of Mizoram.	
Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural / animal husbandry advisories	

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Cereals



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | P a g e

Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	<u></u>	upcoming 5 days and temperature will
			be high.
		/	♣ Thinning must be done where more
	) \	<i>→</i>	population was observed.
		N	♣ Irrigation should be provide 3 days
		KOLASIB	interval
	\		4 Apply 2% urea solution for better
	/	W \ . )	growth.
	· · · · · · · · · · · · · · · · · · ·		Weeding and earthing up should be
	}	5 6	carried out.
			<b>↓</b> Leaf and stem cutter insect will be more
	- {		so apply any contact poison for reducing
	/ MAMIT		pest population.
Zero tillage	Vegetative	Zero tillage	Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,	Ĭ		♣ Weeding should be done.
toria and pea	),	1 ~ /	♣ Collection and destruction of damage
COLLUCIA POU	1		plant or plant part and spraying of any
	1		systemic insecticide @ 2ml/lit should be
	) )		done.
	- Farmer	SERCH	Apply 2% urea solution to avoid stress
<b>D</b> ''		V~	condition.
Fruits			
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage		or pale yellow or orange.
		LUNGLEI	Outer rind looks shiny and one can see
	>	LONGLLI	oil glands on the fruit.
			Harvest all mature fruit.  Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
	,	Fruit Hy	or malathion 0.15 per cent suspension
			containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit
		1	initiation.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	LAWNGTLAL	provide water every alternate day.
		SAIH	Possibility to occurrence of Powdery
			mildew will be high so apply any sulpher
			based fungicide to reduce disease
			incidence.
		The second second	1

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



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			♣ Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB	There is possibility of less rain in upcoming 5 days and temperature will be low.  Earthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage	AIZAWL	<ul> <li>Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.</li> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Apply split dose of nitrogenous fertilizer.</li> </ul>
Animal Husban			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LUNGLEI LAWNGTLAI SAIH.	Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding.  Vaccination as per the schedule with proper consultation with vet.  Day old chick: HVT Marek disease vaccine, 4-7 days: ¬ F/Lasota, 14-18 days: Intermediate plus/IBD

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			2B strain.
Pig	All stages  MAMIT	KOLASIB	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
Fishery			
	Monitoring of fish in pond	LUNGLEI	dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.  Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.  Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.  Immediate measure of application of

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#### R RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Period: 9thFebruary-13thFebruary, 2019 **District: Serchhip** 

Bulletin No: - 852/2019/ Bulletin/English Date of issue: 8thFebruary, 2019

		KULASIB	\		
Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	0	0	0	0	1
Max Temp (°C)	27	26	27	28	27
Min Temp (°C)	10	10	11	10	11
Cloud Coverage	Clear sky	Clear sky	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	89	89	86	80	86
Min RH (%)	17	18	17	18	46
Wind Speed (KmpH)	4	4.2	4.1	4.8	3.6
*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.

Weather forecast valid from 9th February 2019 To

weather summary of the past	weather forceast valid from 5 february, 2015 fo
three days	13 <sup>th</sup> February, 2019
Maximum Tem. (°C):16-19°C Minimum Tem. (°C):07°-09°C Maximum RH (%):62-76% Minimum RH (%):31-46% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 2.15 km/hr	There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26-28°C and 10-11°C. Maximum relative humidity is expected in the range of 80-89% and minimum may from 17-46%. Wind direction would be easterly with the wind speed of 3.6-4.8 km per hour. Clear sky will
Rainfall: 0.0 mm	prevail during the next five days.  Weekly cumulative rainfall: 1.0 mm

		weekiy	cumulative rai	nyan: 1.0	111111	
IDVI for Mizoram	North East Region	29 Jan 2018	Dry condition	occurs in	all districts	of
		19 - 10	Mizoram.			
	Agriculture vigour is moderate over s region.	ome of the parts North East				

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Vegetative	Seed production	There is possibility of less rain in
	stage	KOLASIB	upcoming 5 days and temperature will
		NOCAGID	be high.
	)	W /	4 Thinning must be done where more
	(	3 4 /	population was observed.
	(		♣ Irrigation should be provide 3 days
	j j		interval
	J		♣ Apply 2% urea solution for better
	A MAMIT	1	growth.
			■ Weeding and earthing up should be
	₹	AIZAWL	carried out.
	\		♣ Leaf and stem cutter insect will be more
	\	( )	so apply any contact poison for reducing
	<u> </u>		pest population.
Zero tillage	Vegetative	Zero tillage	♣ Possibility of rain will be very less. So
greengram,	stage		provide water every alternate day.
blackgram,		SEDUNI	Weeding should be done.
toria and pea	1	Servino III	Collection and destruction of damage plant or plant part and spraying of any
			systemic insecticide @ 2ml/lit should be
		-	done.
			Apply 2% urea solution to avoid stress
			condition.
Fruits	1	LUNGLEI	-
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage	~ 8~	or pale yellow or orange.
	,	(A)	♣ Outer rind looks shiny and one can see
			oil glands on the fruit.
			♣ Harvest all mature fruit.
		7 7	♣ Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		LAWNGTLAL	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
		SAIHA	
		( 3/11)	initiation.
Strawberry	Vegetative		Possibility of rain will be very less. So
_	stage		provide water every alternate day.
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Vegetable	7	KOLASIB	<ul> <li>Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Weeding should to do properly with proper fertilizer use.</li> </ul>
Tomato, crucifer, onion, brinjal and chill	Vegetative stage MAMIT	AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be low.  Larthing up soil near base of the plant.  Apply split dose of fertilizer.  Don't irrigate any crop.  Staking should be done.  Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white
Potato	Vegetative stage	SERCHI	rust of mustard  ♣ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.  ♣ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.  ♣ Apply split dose of nitrogenous fertilizer.
Animal Husban	dry	LUNGLEI	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18</li> </ul>

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			days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7
			weeks: Chicken embryo adopted fowl
		/ /	pox vaccine and 56-70 days: RD R-
	1 \		2B strain.
Pig	All stages	KOLASIB	♣ Animals must keep in dry place or kept
		KOLASIB	in alleviated area and dry bedding
			(straw) to be provided to young
	/	~ )	animals.
	)		<b>↓</b> 1st injection at 6 months of age and 2nd
	}	5 6	injection at 12 months of age followed
			by annual vaccination under vet
	J		supervision against FMD.
	MAMIT (		Reduce concentrate diet up to 5%.
		)	Provide adequate potable water.
	3	AIZAWL	In present weather conditions vaccinate
	l l	1	against swine fever (Vaccines available
		7	· · · · · · · · · · · · · · · · · · ·
To' .l.	1		in State Veterinary Departs)
Fishery	1		
	Monitoring of	~ /	Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
	F	SERCHI	the fungal growth is observed in fish
	1	V~  _	feed, the feed needs to be sundried for
		-	few days prior to feeding.
			Fish feed should be stored in cool and
			dry place to avoid fungal growth that
			releases aflatoxin which could lead to
		LUNGLEI	mortality of fish.
	}		Fish harvesting may be carried out by
		C .	complete dewatering of pond. After
	1		dewatering, the pond may be prepared
			for the next cycle by sundrying of
			bottom, applying lime, manure,
			fertilizers etc.
			Fish needs to be monitored regularly to
			observe any sign of diseases and if
		LAWNGTLAL	disease is observed, consult expert
		SAIH	immediately and water sample needs to
		SAIH	be analyzed.
			<b>♣</b> Immediate measure of application of
			lime and potassium permanganate
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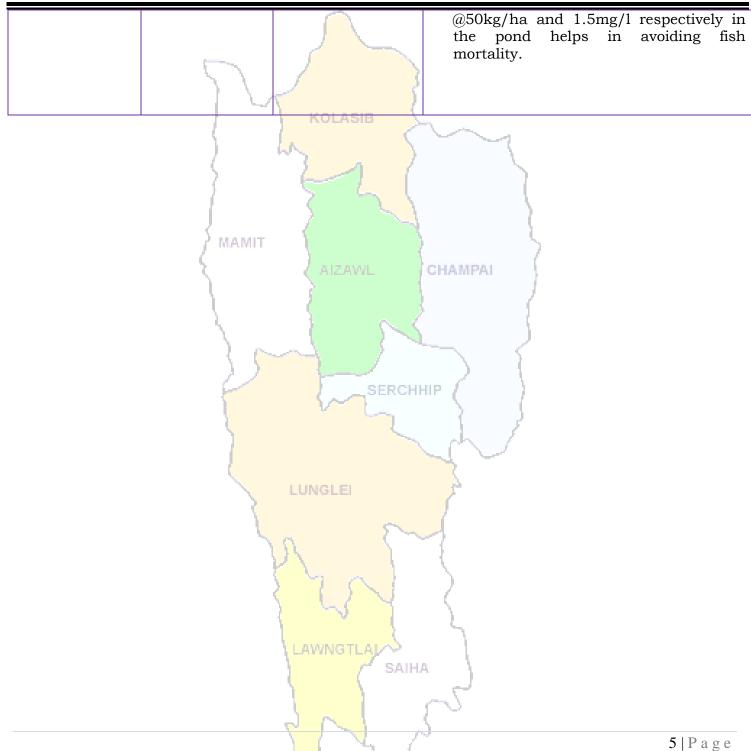


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