

**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



**District: Mamit** 

Bulletin No: - 856/2019/ Bulletin/English

Date of issue: 26<sup>th</sup>February, 2019

Period: 27thFebruary-03rdMarch, 2019

		10	3		
Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
Rainfall (mm)	9	12	8	0	0
Max Temp (°C)	27	27	27	28	28
Min Temp (°C)	17	16	14	16	17
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
Max RH (%)	98	97	98	80	74
Min RH (%)	58	83	92	26	24
Wind Speed (KmpH)	4	2	3	2	2
*Wind Direction	S-E	S-E	S-E	E	E
Northe	rly- N. North-E	asterly- N-E. Eas	sterly- E. South	-Easterly- S-E.	

Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

five days.

to-

Weather summary of the past three days Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):14°-16°C Maximum RH (%):81-95% Minimum RH (%):43-63% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 2.37 km/hr

Rainfall: 12.5 mm

**NDVI for Mizoram** 

#### Weekly cumulative rainfall: 29.0 mm

There are chances of moderate to light rainfall during the

next 2 days. The maximum and minimum temperatures for

the next 5 days may range for 27-28°C and 14-17°C.

Maximum relative humidity is expected in the range of 74-

98% and minimum may from 24-58%. Wind direction

would be southeasterly to southerly with the wind speed of

2.4 km per hour. Mainly cloudy will prevail during the next

Dry condition occurs in all districts of Mizoram.

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals		·	
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	KOLASIB	5 days and temperature will be high.
	1	C	4 Use straw mulch to reduce water loss
	)	WALL N	from soil
		1 1 1	♣ Apply 2% urea solution for better
			growth.
	6	2 21	Provide water every week
			<b>4</b> Infestation of aphid and cob borer will
	AMAT		be more due increase of temperature.
	2. 10.0002		Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage		5 days and temperature will be high.
blackgram,	1	(	Apply 2% urea solution for better
toria and pea	S	1 5	growth.
	0.0	A 5 7	Provide water every 10 days interval.
	10 8		Weeding should not done in upcoming
	0	SERCH	weeks.
		12-1-	4 Infestation of aphid and cob borer will
	8		be more due increase of temperature.
	2	1	Apply any systematic insecticide.
Fruits	118		
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage	LUNGLEI	or pale yellow or orange.
	3		+ Outer rind looks shiny and one can see
		5	oil glands on the fruit.
		11 1 1	Harvest all mature fruit.
		Dans 14 Mar	Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
		1 LAN	containing sugar or jeggery at 10 g/1 at
		( · · · · · · · · · · · · · · · · · · ·	fortnightly intervals at flowering and fruit
		Company and a starter	initiation.
Strawberry	<b>Flowering to</b>	LAWNGILA	There is no possibility rain in upcoming
	fruit	SAIH)	5 days and temperature will be high.
	formation		Provide water every 10 days interval.
	phase	1 25 1	+ Possibility to occurrence of Powdery
		P N A	)
			2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Vegetable	2	KOLASIB	<ul> <li>mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
0		0	
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	AIZAVAL	<ul> <li>There is possibility of less rain in upcoming 5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage butterfly will be more due increase of temperature. Apply any contact</li> </ul>
		1 2	insecticide. Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage		<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	dry	11	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAL	<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</li> </ul>
		XXX /	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



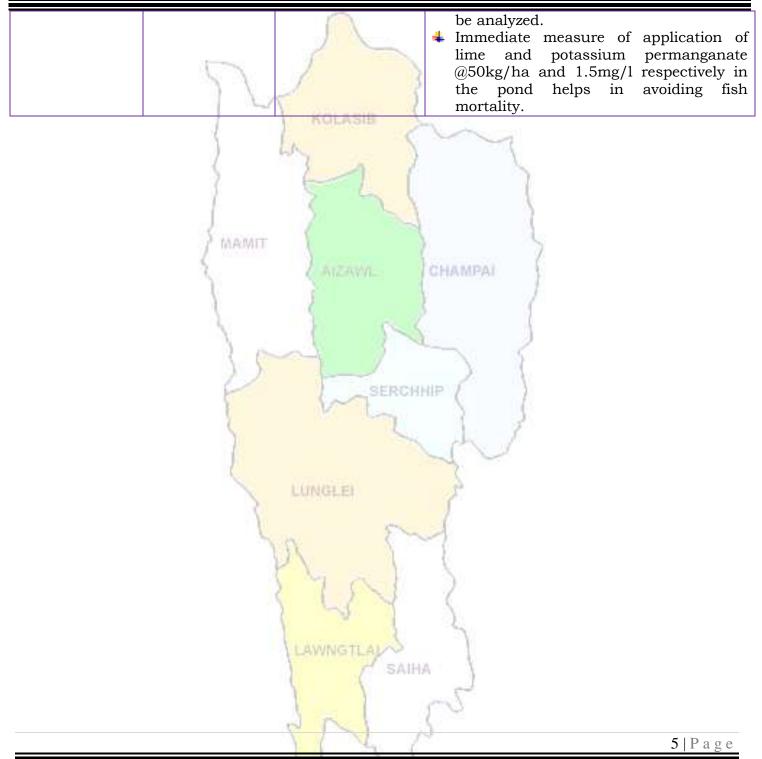
		12	proper consultation with vet.
			> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
	1 1	5 5	vaccine, 35 days: F/Lasota, 6-7
		C 1	
		KOLASIB	weeks: Chicken embryo adopted fowl
	1	1	pox vaccine and 56-70 days: RD R-
		La.	2B strain.
Pig	All stages	3 5 1	Animals must keep in dry place or kept
	2		in alleviated area and dry bedding
	1	SEL	(straw) to be provided to young
		5. 54	animals.
	2		↓ 1 <sup>st</sup> injection at 6 months of age and 2nd
	/ MAMIT		injection at 12 months of age followed
	6	A second second	by annual vaccination under vet
	5	AIZAWA_	supervision against FMD.
	1	1	<b>4</b> Reduce concentrate diet up to 5%.
	(	( )	Provide adequate potable water.
	S	1 55	In present weather conditions vaccinate
			against swine fever (Vaccines available
	500		in State Veterinary Departs)
Fishery	12		
I ISHCI y	Monitoring of	SERCH	4 Care should be taken that fish are fed
			with feed that are free from fungus. If
	fish in pond		the fungal growth is observed in fish
	1		feed, the feed needs to be sundried for
			few days prior to feeding.
		A COMMENT OF A	Fish feed should be stored in cool and
	S	LUNGLEI	
	5		dry place to avoid fungal growth that
		5	releases aflatoxin which could lead to
		1. 1	mortality of fish.
			+ Fish harvesting may be carried out by
		1 7 Cat	complete dewatering of pond. After
			dewatering, the pond may be prepared
			for the next cycle by sundrying of
		1	bottom, applying lime, manure,
		LAWNGTLAL	fertilizers etc.
		/ SAIH	+ Fish needs to be monitored regularly to
		S 8	observe any sign of diseases and if
			disease is observed, consult expert
		al a	immediately and water sample needs to
		Y N A	4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM

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







#### **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: Saiha**

Bulletin No: - 856/2019/ Bulletin/English

### Date of issue: 26thFebruary, 2019

Period: 27thFebruary-03rdMarch, 2019

		10	3.0		
Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
Rainfall (mm)	6	3	11	0	0
Max Temp (°C)	26	22	23	25	25
Min Temp (°C)	16	15	14	12	11
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
Max RH (%)	74	76	99	59	54
Min RH (%)	57	49	45	19	18
Wind Speed (KmpH)	4	4	3	4	4
*Wind Direction	E	E	E	E	E
Northe	ala Noath E	octoriz NF For	storly F South	Fostorly S F	

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

d from 27<sup>th</sup>February, 2019 To

weather summary of the past	weather lorecast value from 27 <sup>cm</sup> rebruary, 2019 10
three days	03 <sup>rd</sup> March, 2019.
Maximum Tem. (°C):22-24°C	There are chances of light rainfall during the next 3 days.
Minimum Tem. (°C):11°-14°C	The maximum and minimum temperatures for the next 5
Maximum RH (%):74-96%	days may range for 22-25°C and 11-16°C. Maximum
Minimum RH (%):51-68%	relative humidity is expected in the range of 54-99% and
Wind Direction: Southeasterly	minimum may from 18-57%. Wind direction would be
Cloud cover: Clear sky	easterly with the wind speed of 3-4 km per hour. Partially
Wind speed: 2.09 km/hr	clear will prevail during the next five days.
	clear win prevan during the next live days.

#### Rainfall: 08.5 mm

**NDVI for Mizoram** 

#### Weekly cumulative rainfall: 20.0 mm

Mizoram.

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Dry condition occurs in all districts of

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	KOLASIB	5 days and temperature will be high.
	1	6	4 Use straw mulch to reduce water loss
	)	64.	from soil
	5	2 1	Apply 2% urea solution for better
	5		growth.
		S A	Provide water every week
	1		Infestation of aphid and cob borer will
	1 MAMIT		be more due increase of temperature.
			Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage	1	5 days and temperature will be high.
blackgram,	1	6 6 1	Apply 2% urea solution for better growth.
toria and pea			<ul> <li>Provide water every 10 days interval.</li> </ul>
	2.0	~ /	<ul> <li>Weeding should not done in upcoming</li> </ul>
	12		weeks.
		SERCH	4 Infestation of aphid and cob borer will
		No Lag	be more due increase of temperature.
	5	1	Apply any systematic insecticide.
Fruits	48		
Citrus	Harvesting	Citrus Canker	+ Colour changes from green to pale green
	stage	LUNGLEI	or pale yellow or orange.
	3		<b>4</b> Outer rind looks shiny and one can see
	1	5	oil glands on the fruit.
		11 1 1	Harvest all mature fruit.
		Den 11 O	Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
		1 LAN	containing sugar or jeggery at 10 g/l at
		(	fortnightly intervals at flowering and fruit
		Contraction and a second	initiation.
Strawberry	Flowering to	LAWING ILAUS	There is no possibility rain in upcoming
	fruit	( SAIH)	5 days and temperature will be high.
	formation		Provide water every 10 days interval.
	phase	1 2 3 1	+ Possibility to occurrence of Powdery
		P N A	210
		4 (	2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Vegetable	2	KOLASIB	<ul> <li>mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
0		0	
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	AIZAVAL	<ul> <li>There is possibility of less rain in upcoming 5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage butterfly will be more due increase of temperature. Apply any contact</li> </ul>
	20	1 2	insecticide. Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage		<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	dry		
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAL	<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</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



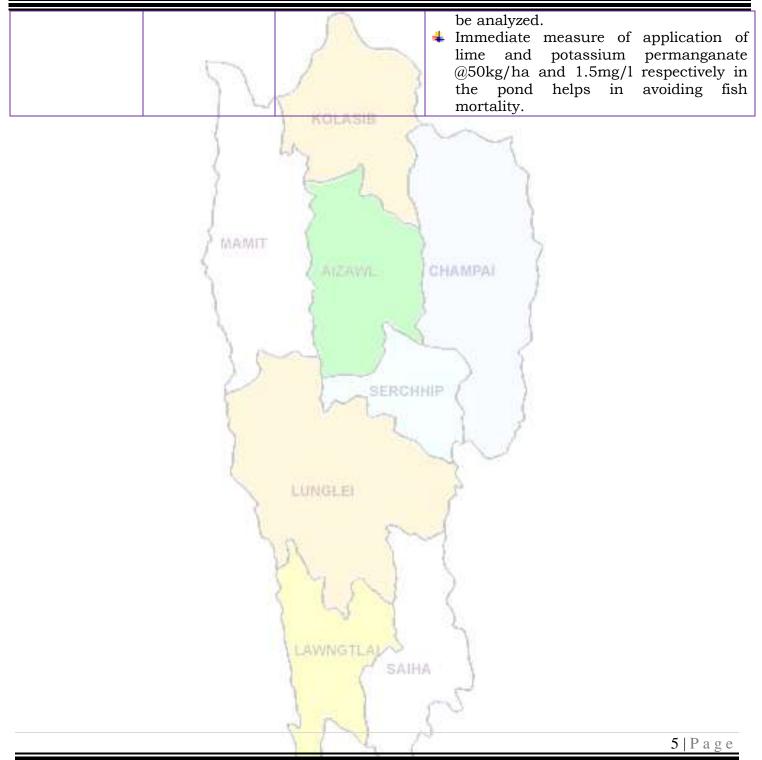
<ul> <li>Monitoring of fish in pond</li> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal 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 of bottom, applying lime, manure, fertilizers etc.</li> <li>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</li> </ul>				
<ul> <li>in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1* 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 Fishe		2	KOLASIB	Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 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.
<ul> <li>Fishery</li> <li>Monitoring of fish in pond</li> <li>Care should be taken that fish are fed with feed that are free from fungus. If 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 of bottom, applying lime, manure, fertilizers etc.</li> <li>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</li> </ul>	Pig		AZAVA	<ul> <li>in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1<sup>st</sup> 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</li> </ul>
<ul> <li>Monitoring of fish in pond</li> <li>Care should be taken that fish are fed with feed that are free from fungus. If 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 of bottom, applying lime, manure, fertilizers etc.</li> <li>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</li> </ul>	Fishery	0	SEPCIO	III CONTRACTOR
			LAWNGTLAN	<ul> <li>with feed that are free from fungus. If 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 of bottom, applying lime, manure, fertilizers etc.</li> <li>Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert</li> </ul>
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#### Expert committee members:

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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,

Period:

Guwahati)



2019

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**District:** Serchhip

Bulletin No: - 856/2019/ Bulletin/English

Date of issue: 26<sup>th</sup>February, 2019

27<sup>th</sup>February-3<sup>rd</sup>March,

		1					
Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019		
Rainfall (mm)	13	11	12	0	0		
Max Temp (°C)	28	27	27	28	29		
Min Temp (°C)	15	15	14	15	16		
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky		
Max RH (%)	98	97	99	72	66		
Min RH (%)	65	82	92	22	21		
Wind Speed (KmpH)	2	3	2	4	4		
*Wind Direction	E	E	E	E	E		
NT	North de N. North Doctorie N.D. Doctorie D. Ocean Doctorie O.D.						

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

Immary of the past Weather forecast valid from 27<sup>th</sup>February, 2019 To

Weather summary of the past	Weather forecast valid from 27 <sup>th</sup> February, 2019 To
three days	03 <sup>rd</sup> March, 2019.
Maximum Tem. (°C):22-24°C	There are chances of moderate to light rainfall during the
Minimum Tem. (°C):12°-14°C	next 2 days. The maximum and minimum temperatures for
Maximum RH (%):83-96%	the next 5 days may range for 27-29°C and 14-16°C.
Minimum RH (%):46-62%	Maximum relative humidity is expected in the range of 66-
Wind Direction: Southeasterly	99% and minimum may from 21-92%. Wind direction
Cloud cover: Clear sky	would be easterly with the wind speed of 2-41 km per
Wind speed: 2.25 km/hr	
	hour. Mainly cloudy will prevail during the next five days.

Rainfall: 09.0 mm

**NDVI for Mizoram** 

#### Weekly cumulative rainfall: 36.0 mm

Mizoram.

Dry condition occurs in all districts of

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to-



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	KOLASIB	5 days and temperature will be high.
	1	0	4 Use straw mulch to reduce water loss
	)	64 3	from soil
	5	2 1	Apply 2% urea solution for better
	5		growth.
		C A	Provide water every week
			Infestation of aphid and cob borer will
	1 MAMIT		be more due increase of temperature.
			Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage	5	5 days and temperature will be high.
blackgram,	20	1 0 1	Apply 2% urea solution for better
toria and pea			growth. Provide water every 10 days interval.
	2.0	~ / /	<ul> <li>Weeding should not done in upcoming</li> </ul>
	1)		weeks.
	8	SERCH	Infestation of aphid and cob borer will
		Vita	be more due increase of temperature.
	5		Apply any systematic insecticide.
Fruits	16		
Citrus	Harvesting	Citrus Canker	+ Colour changes from green to pale green
	stage	LUNGLEI	or pale yellow or orange.
	5		4 Outer rind looks shiny and one can see
	10	550	oil glands on the fruit.
	2	N ( )	👎 Harvest all mature fruit.
		BV V	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
		Same and the second second	initiation.
Strawberry	Flowering to	LAWNGTLAN	There is no possibility rain in upcoming
-	fruit	SAIH)	5 days and temperature will be high.
	formation		Provide water every 10 days interval.
	phase	1 25	Possibility to occurrence of Powdery
		P N A	
		1 4 6	2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Vegetable	2	KOLASIB	<ul> <li>mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<u> </u>			
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	AIZAVAL	<ul> <li>There is possibility of less rain in upcoming</li> <li>5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage butterfly will be more due increase of temperature. Apply any contact</li> </ul>
	20	1 5	insecticide. Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage		<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	dry		
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitemin supplements (25 6ml/100)</li> </ul>
		XXX /	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



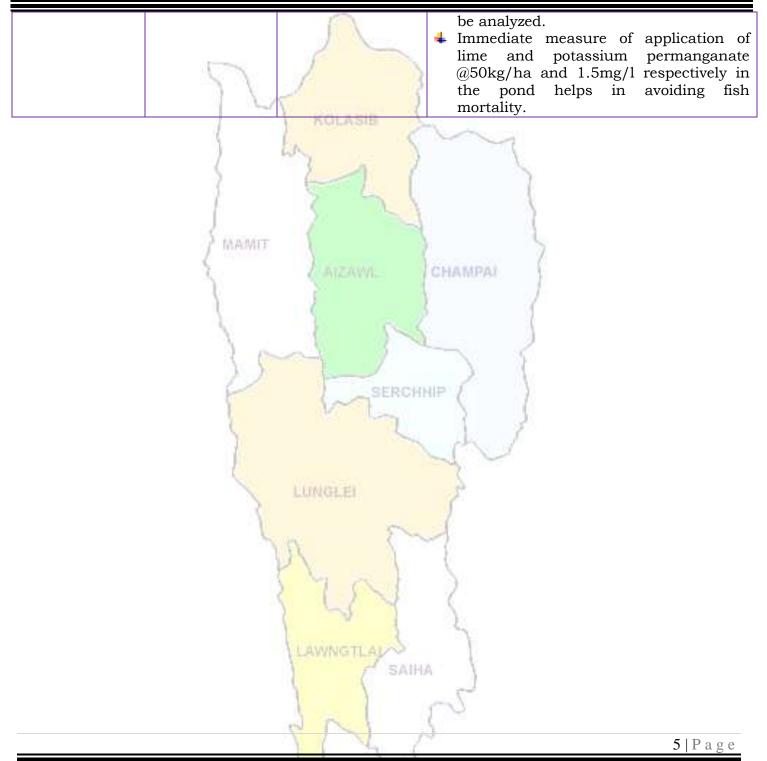
	2	KOLASIB	<ul> <li>proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> </ul>
Pig	All stages	AIZAVA	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1<sup>st</sup> 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	0	SERCH	HP AL
	Monitoring of fish in pond	m	Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.
	3		<ul> <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</li> </ul>
		LAWNGTLAN	complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
		SAIH	J. Fish moods to be mentioned normalizate
		5121	4   P a g e
		The second se	<del>4</del>   r a g e



ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

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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, Cumphati)

Guwahati)



0010 T

**District:** Aizawl

Period: 27<sup>th</sup>February-03<sup>rd</sup>March, 2019

Bulletin No: - 856/2019/ Bulletin/English

Date of issue: 26thFebruary, 2019

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
Rainfall (mm)	10	15	12	0	0
Max Temp (°C)	28	28	27	29	29
Min Temp (°C)	15	14	12	15	15
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
Max RH (%)	98	97	99	80	74
Min RH (%)	64	86	94	25	24
Wind Speed (KmpH)	4	3	3	3	3
*Wind Direction	S-E	S-E	S-E	S-E	E

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

mary of the past Weather forecast valid from 27th February

weather summary of the past	weather lorecast valid from 27 <sup>th</sup> rebruary, 2019 10
three days	03 <sup>rd</sup> March, 2019.
Maximum Tem. (°C):19-22°C	There are chances of moderate rainfall during the next 2
Minimum Tem. (°C):08°-13°C	days. The maximum and minimum temperatures for the
Maximum RH (%):74-88%	next 5 days may range for 27-29°C and 12-15°C.
Minimum RH (%):41-62%	Maximum relative humidity is expected in the range of 74-
Wind Direction: Southeasterly	99% and minimum may from 24-94%. Wind direction
Cloud cover: Clear sky	would be southeasterly with the wind speed of 3-4 km per
Wind speed: 2.12 km/hr	hour. Mainly cloudy will prevail during the next five days.
Rainfall: 12.0 mm	

NDVI for Mizoram

Wood1

#### Weekly cumulative rainfall: 37.0 mm

Mizoram.

Dry condition occurs in all districts of

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	KOLASIB	5 days and temperature will be high.
	1	0	4 Use straw mulch to reduce water loss
	)	64 3	from soil
	5	2 1	Apply 2% urea solution for better
	5		growth.
		C A	Provide water every week
			Infestation of aphid and cob borer will
	1 MAMIT		be more due increase of temperature.
			Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage	1	5 days and temperature will be high.
blackgram,	20	6 1	Apply 2% urea solution for better
toria and pea			growth. Provide water every 10 days interval.
	R. 6	~ 1	<ul> <li>Weeding should not done in upcoming</li> </ul>
	12		weeks.
	F	SERCH	Infestation of aphid and cob borer will
	1	V La	be more due increase of temperature.
	5	200	Apply any systematic insecticide.
Fruits	46		
Citrus	Harvesting	Citrus Canker	+ Colour changes from green to pale green
	stage	LUNGLEI	or pale yellow or orange.
	3		Outer rind looks shiny and one can see
	1	5	oil glands on the fruit.
	2	11 1 1	Harvest all mature fruit.
		Dura 14 Class	Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
		1 LAN	containing sugar or jeggery at 10 g/l at
		(	fortnightly intervals at flowering and fruit
		and the second second second	initiation.
Strawberry	Flowering to	LAWING ILAUS	There is no possibility rain in upcoming
	fruit	( SAIH)	5 days and temperature will be high.
	formation		Provide water every 10 days interval.
	phase	1 2 3 1	Possibility to occurrence of Powdery
		8 1 1	210
		4 6	2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
Vagatable	2	KOLASIB	<ul> <li>mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
Vegetable		0	
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	"Fhi	<ul> <li>There is possibility of less rain in upcoming</li> <li>5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage</li> </ul>
	AMAMIT	AIZAWA	butterfly will be more due increase of temperature. Apply any contact insecticide.
	35	1 74	fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage		<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	drv	The state	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LawngtLak	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with</li> </ul>
		SAIH	<ul> <li>vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Vaccination as per the schedule with</li> </ul>
		NIV. /	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



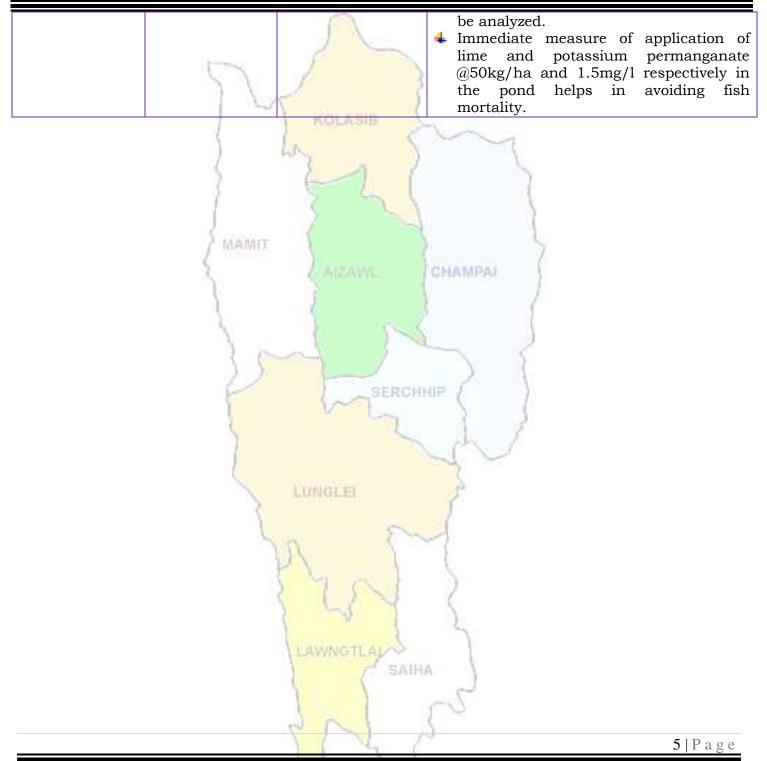
		0	proper consultation with vet.
			> Day old chick: HVT Marek disease
			vaccine, 4-7 days:- F/Lasota, 14-18
			days: Intermediate plus/IBD
	1 1	1	vaccine, 35 days: F/Lasota, 6-7
		5	weeks: Chicken embryo adopted fowl
		KOLASIB	pox vaccine and 56-70 days: RD R-
	6	0	2B strain.
Dia	All stages	6	<ul> <li>Animals must keep in dry place or kept</li> </ul>
Pig	All stages	1 1	in alleviated area and dry bedding
			(straw) to be provided to young
	(		animals.
	MAMIT		4 1 <sup>st</sup> injection at 6 months of age and 2nd
	1 million	And and a second	injection at 12 months of age followed by annual vaccination under vet
	30	ATZAWA I	
			supervision against FMD.
			Reduce concentrate diet up to 5%.
	0.0	3 al	<ul> <li>Provide adequate potable water.</li> <li>In present weather conditions vessionts.</li> </ul>
			↓ In present weather conditions vaccinate
			against swine fever (Vaccines available in State Veterinary Departs)
Fishowy	11		
Fishery	Monitoring of	SERCH	4 Care should be taken that fish are fed
	Monitoring of	V Lan	with feed that are free from fungus. If
	fish in pond	1	the fungal growth is observed in fish
			feed, the feed needs to be sundried for
			few days prior to feeding.
	100	( ( and ( and ( and )	Fish feed should be stored in cool and
	S.	LUNGLEI	dry place to avoid fungal growth that
	1		releases aflatoxin which could lead to
		- E -	mortality of fish.
		A N	Fish harvesting may be carried out by
		P.V. S. M	complete dewatering of pond. After
		1700	dewatering, the pond may be prepared
		L L Y	for the next cycle by sundrying of
		( ) · · · · · · · · · · · · · · · · · ·	bottom, applying lime, manure,
		Contraction and the second	fertilizers etc.
		LAWNGTLA	Fish needs to be monitored regularly to
		SAIH/	observe any sign of diseases and if
			disease is observed, consult expert
		the second se	immediately and water sample needs to
		0 0	miniculatory and water sample needs to
		NIN D	4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

ed based on District wise Weather Forecast receive Guwahati)







#### **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:** Aizawl

#### Bulletin No: - 856/2019/ Bulletin/Mizo

# Date of issue: 26<sup>th</sup>February, 2019

Period: 27thFebruary-03rdMarch, 2019

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019		
Rainfall (mm)	10	15	12	0	0		
Max Temp (°C)	28	28	27	29	29		
Min Temp (°C)	15	14	12	15	15		
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky		
Max RH (%)	98	97	99	80	74		
Min RH (%)	64	86	94	25	24		
Wind Speed (KmpH)	4	3	3	3	3		
*Wind Direction	S-E	S-E	S-E	S-E	E		
Northe	rly- N North-E	asterly, N.F. Eag	sterly, F. South	-Easterly_ 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<br/>three days27thFebruary-03rdMarch, 2019 chhunga sik leh sa<br/>dinhmun tur tlangpui

three days
Maximum Tem. (°C):19-22°C
Minimum Tem. (°C):08°-13°C
Maximum RH (%):74-88%
Minimum RH (%):41-62%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.12 km/hr

Rainfall: 12.0 mm

**NDVI for Mizoram** 

#### Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-29°C a ni ang a. A vawh lai ber in 12-15°C ni tura beisei a ni. RH san lai berin 74-99% leh a hniam lai berin 24-94% ni tur a rin niin. Thli hi darkar khata ah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

### Weekly cumulative rainfall: 37.0mm

districts of Mizoram.

Mildly dry condition occurs in all

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

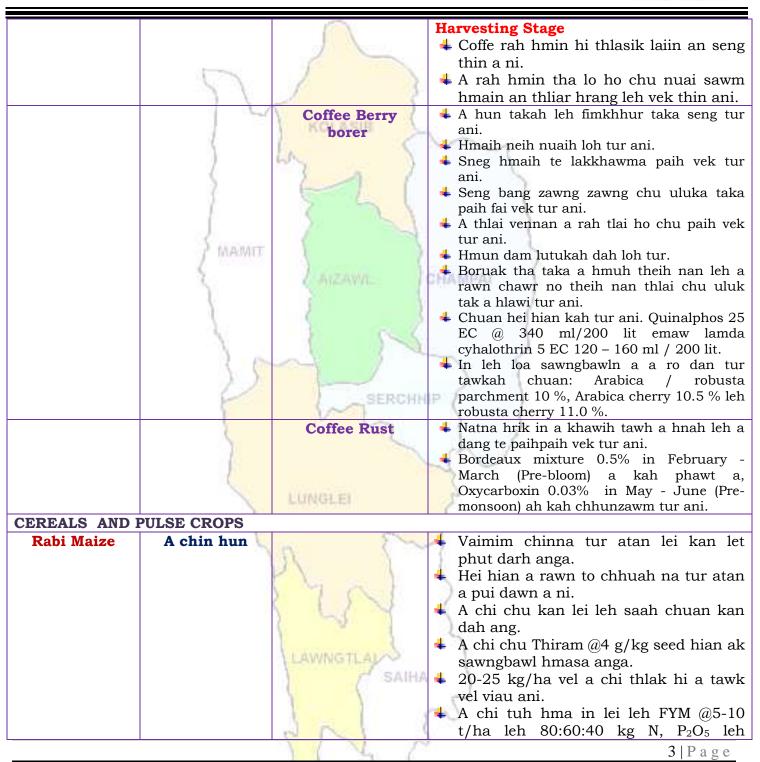


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal						
Animal		practices/ Pest/	husbandry advisories						
/Fisheries		Diseases							
FRUITS CROPS									
KHASI	A kui atanga	8	4 Thlasik laia thlai bul khoro lutuk tur						
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul						
AND ACID		1 mountains	velah dahkhawm tur ani.						
LIME	)	LA Y	🖊 Thlai naupang deuah chuan chawlh						
	(	3 4 1	kar tin a tui pek thin tur ani.						
BANANA	1		🖊 Leia tha mamawh tawk a hmuh						
	1	2 5	theihna turin a hmunhma a hnim awm						
		24	te thlawhfai thin tur ani.						
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha						
	/ meaver	5	taka pek hian a rah tla tur chelh nan						
DI UNA AND	10 M	CAIZAWA I	leh a rah than that nan te leh a rah						
PLUM AND			keh tur lakah t a veng thei ani.						
PEACH									
	1	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna						
		canker, citrus	laka vennan Bordeaux past hi thing zar leh						
	1 - C	greening and	a trangah te hnawih tur ani.						
		Dieback							
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu						
		V La	heng te hian enkawl tur ani: carbaryl 0.2						
	5	1	percent emaw malathion 0.15 percent						
			suspension containing sugar or jeggery at						
			10 g/l.						
PLANTATION CR	OP								
COFFEE	All stages	CONTRACTOR OF THE PARTY OF THE	Nursery stage						
	1	100	+ Thlai chi thlak hma in Azospirillum leh						
	1	n 7~	Phosphobacterium a enkawl tur ani.						
		1 16	🖊 A chi hi December – January ah hmun						
		the set b	zawl/rualrem 1.5 - 2.5 cm a in hlatin						
		2 1 5 1 5	tlar mumal tak siam in chin tur ani.						
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a						
		1 S. 8	buhpawla khuh tur ani.						
		LAWNGTLAN	4 Nitin tui pek tur ani a, a sat lutuka loh						
		- SAIHA	nan niin a chhun loh nan zar hliah tur						
		( SAINA	ani. Ni 45 hay yeleh e tiel thia e ehy ehy						
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu						
bag ah an sawn chhuak leh thin ani.									
			2   P a g e						



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWA.	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		5 N 1	4   P a g e



#### ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and capsicumNursery stagePoly houseThlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly house4 A than a that theih nan nikhat danah tui pek thin tur ani.Thiai bul vawn hnawn nana thiai bul hnim ring vawm khawn hi tui pek zawhah dah tur ani.Thiai bul vawn hnawn nana thiai bul hnim ring vawm khawn hi tui pek zawhah dah tur ani.Phytopthora blight4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Aprony) kg seed hi a tha hie aniFrench beanSowing stage4 A than a that theih nan tui pek han a tui iter 1 hi 10-15 DAS a pek hi a tha hie ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek a nihan hringa khuh tur ani a. than a that theih nan him a khuh tur ani a. than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hinah himig a khuh tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hinah himig a khuh tur ani.Ti pek hanah ha hi du tur ani.4 A than a that theih nan nikhat danah tui pek hinah ah hi dum a rawn awm thina, hei hi natna tlanglawn ber ani.Ti hi han lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.				
capsicumtui pek thin tur ani.capsicumtui pek thin tur ani.tui pek thin tur ani.Thia ibul vawn hnawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani.Thia ibul vawn hnawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageFrench beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radish <td< th=""><th></th><th>7</th><th>KOLASIB</th><th><ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul></th></td<>		7	KOLASIB	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.Carrot and 			AIZAWA	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan 		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.         Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage	LUNGLEI	4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
		Sowing stage		<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PN A	<b>6</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /liar tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> <li>Ranikhet Disease- an pian atanga n</li> </ul>
	measures	122	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R<sub>2</sub>B vaccine pek tu ani.</li> <li>B complex with antibodies</li> </ul>
	d and	4 <sup>th</sup> weeks	<b>Coccidiosis-</b> Amprolium o coccidiostat
	/ medvir	4-5 <sup>th</sup> Weeks	+ Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWAL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, ninuar atang a tur io insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>
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			7   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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CHAMPAI



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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, Cumpberti)

Period:

Guwahati)



2019

**District:** Champhai

Bulletin No: - 856/2019/ Bulletin/English

Date of issue: 26<sup>th</sup>February, 2019

27<sup>th</sup>February-3<sup>rd</sup>March,

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019			
Rainfall (mm)	10	13	12	0	0			
Max Temp (°C)	28	27	27	29	29			
Min Temp (°C)	15	14	12	15	15			
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky			
Max RH (%)	97	96	96	74	66			
Min RH (%)	68	84	86	22	22			
Wind Speed (KmpH)	3	3	3	4	4			
*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	er summary of the past Weather forecast valid from 27 <sup>th</sup> February, 2019 To							
three day	S	03 <sup>rd</sup> March, 2019.						
• •	<b>ximum Tem.</b> (°C):20-21°C There are chances of moderate to light rainfall during the next 2 day. The maximum and minimum temperatures for							

next 2 day. The maximum and minimum temperatures for the next 5 days may range for 27-29°C and 12-15°C. Maximum relative humidity is expected in the range of 66-97% and minimum may from 22-86%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Mainly cloudy will prevail during the next five days.

Rainfall: 10.5 mm

Maximum RH (%):76-91%

Minimum RH (%):42-63%

**Cloud cover: Clear sky** 

Wind speed: 2.31 km/hr

Wind Direction: Southeasterly

#### Weekly cumulative rainfall: 35.0 mm

NDVI for Mizor	am	Recht Leet Region	21 Jac 2001	Dry condition Mizoram.	occurs in all	districts of
Main Crop/	Stage	Cult	ural	Agricultural	/ Horticultur	al/ animal
		10	4 C			1   P a g e

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	2 3	5 days and temperature will be high.
	1	KOLASIB	4 Use straw mulch to reduce water loss
	1	I INVERSID	from soil
	)	LA Y	4 Apply 2% urea solution for better
	(	3 . 1	growth.
	2		Provide water every week
	1	2 5 1	4 Infestation of aphid and cob borer will
		2	be more due increase of temperature.
	S MARATT		Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage	AIZAWA_	5 days and temperature will be high.
blackgram,			Apply 2% urea solution for better
toria and pea		(	growth.
····· P···		1 66	Provide water every 10 days interval.
			4 Weeding should not done in upcoming
	500		weeks.
	12	armout	4 Infestation of aphid and cob borer will
		SERCH	be more due mercase or temperature.
			Apply any systematic insecticide.
Fruits	1		
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage		or pale yellow or orange.
		LUNGLEI	4 Outer rind looks shiny and one can see
	5	the contract of the fill	oil glands on the fruit.
		000	+ Harvest all mature fruit.
	5	W (m	👎 Purn all disease infected part.
		Fruit fly	+ In large gardens apply carbaryl 0.2 per cent
		MY Roll	or malathion 0.15 per cent suspension
			containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
		2	initiation.
Strawberry	Flowering to	Company and the second second	There is no possibility rain in upcoming
<b>-</b>	fruit	LAWNGTLAN	5 days and temperature will be high.
	formation	SAIH/	Provide water every 10 days interval.
	phase		Possibility to occurrence of Powdery
	Pridoo		mildew will be high so apply any sulpher
		001	
		Y L L	2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
Vegetable	5	$\bigwedge$	<ul> <li>based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
0	Dura St. / a a mal	KOLASIB	
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	La Cava	<ul> <li>There is possibility of less rain in upcoming 5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage butterfly will be more due increase of temperature. Apply any contact insecticide.</li> <li>Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white</li> </ul>
	1	1 3 3	rust of mustard
Potato	Vegetative stage	LUNGLEI	<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	dry 📉	N 677	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group		<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> </ul>
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			3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

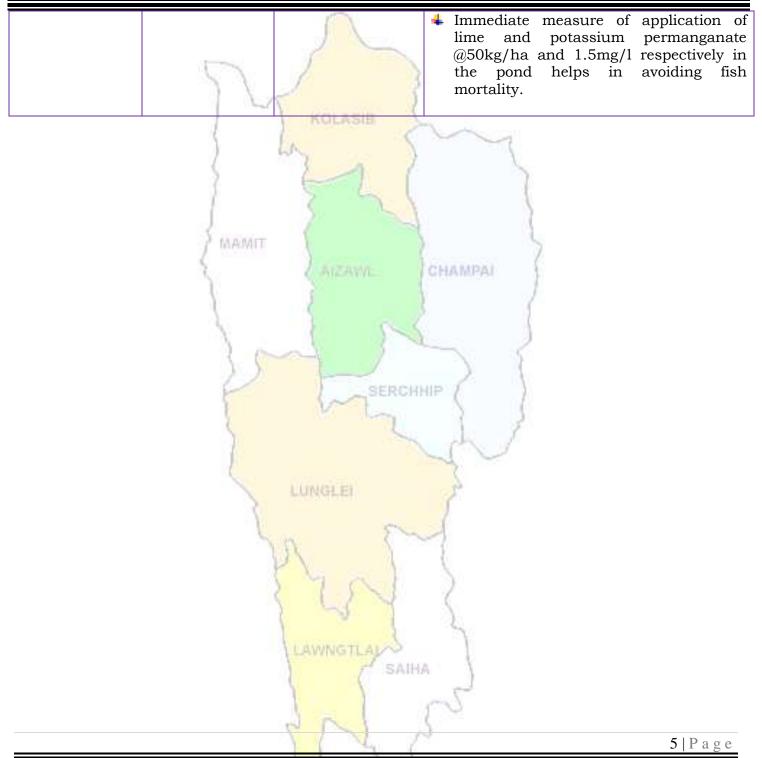


	2	KOLASIB	Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R- 2B strain.
Pig	All stages	"Fh	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet</li> </ul>
Fishery		AIZAVAL	<ul> <li>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>
	Monitoring of	SERCHI	+ Care should be taken that fish are fed
	fish in pond		<ul> <li>with feed that are free from fungus. If 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 of bottom, applying lime, manure, fertilizers etc.</li> <li>Fish needs to be monitored regularly to abaarwa area airea.</li> </ul>
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		the state of the s	<b>4</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)







#### **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,

Period:

Guwahati)



2019

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#### District: Kolasib

Bulletin No: - 856/2019/ Bulletin/English

Date of issue: 26thFebruary, 2019

27<sup>th</sup>February-3<sup>rd</sup>March,

		1	1 m m		
Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
Rainfall (mm)	8	10	10	0	0
Max Temp (°C)	29	28	28	29	29
Min Temp (°C)	17	15	13	16	17
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
Max RH (%)	98	97	98	82	77
Min RH (%)	64	85	95	29	26
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	E
T	1		1 1 5 0 11	<b>D</b> / 1 0 D	

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

during the next five days.

Weather summary of the past Weather forecast valid from 27<sup>th</sup>February, 2019 To

1		
	three days	03 <sup>rd</sup> March, 2019.
	Maximum Tem. (°C):26-28°C	There are chances of moderate to light rainfall during the
	Minimum Tem. (°C):13°-15°C	next 2 days. The maximum and minimum temperatures for
	Maximum RH (%):88-93%	the next 5 days may range for 28-29°C and 13-17°C.
ļ	Minimum RH (%):51-63%	Maximum relative humidity is expected in the range of 77-
ļ	Wind Direction: Southeasterly	98% and minimum may from 26-95%. Wind direction
ļ	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
ļ	Wind speed: 2.21 km/hr	5 5 5
	Cloud cover: Clear sky Wind speed: 2.21 km/hr	would be southeasterly to easterly and southwesterly with the wind speed of 4 km per hour. Clear sky will prevail

Rainfall: 16.0 mm

**NDVI for Mizoram** 

#### Weekly cumulative rainfall: 28.0 mm

Dry condition occurs in all districts of Mizoram.

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to-



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	_		
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	KOLASIB	5 days and temperature will be high.
	4	0	<b>4</b> Use straw mulch to reduce water loss
	)	an J	from soil
	S	211	Apply 2% urea solution for better
	5		growth.
		C A	Provide water every week
			Infestation of aphid and cob borer will
	1 MAMIT		be more due increase of temperature.
		CT	Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage	5	5 days and temperature will be high.
blackgram,	20	1 0 1	Apply 2% urea solution for better
toria and pea	1		growth.
	2.0		<ul><li>Provide water every 10 days interval.</li><li>Weeding should not done in upcoming</li></ul>
	>>		weeks.
	8	SERCH	Infestation of aphid and cob borer will
		Vala	be more due increase of temperature.
	5		Apply any systematic insecticide.
Fruits	16		
Citrus	Harvesting	Citrus Canker	+ Colour changes from green to pale green
	stage	LUNGLEI	or pale yellow or orange.
	5		4 Outer rind looks shiny and one can see
	10	S	oil glands on the fruit.
		N ()	🔸 Harvest all mature fruit.
			Purn all disease infected part.
		Fruit fly	4 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
		1 2 1	fortnightly intervals at flowering and fruit
		Company and the	initiation.
Strawberry	Flowering to	LAWNGTLAN	There is no possibility rain in upcoming
Ť	fruit	SAIH)	5 days and temperature will be high.
	formation		Provide water every 10 days interval.
	phase	1 255	+ Possibility to occurrence of Powdery
·	-	C N N	)
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

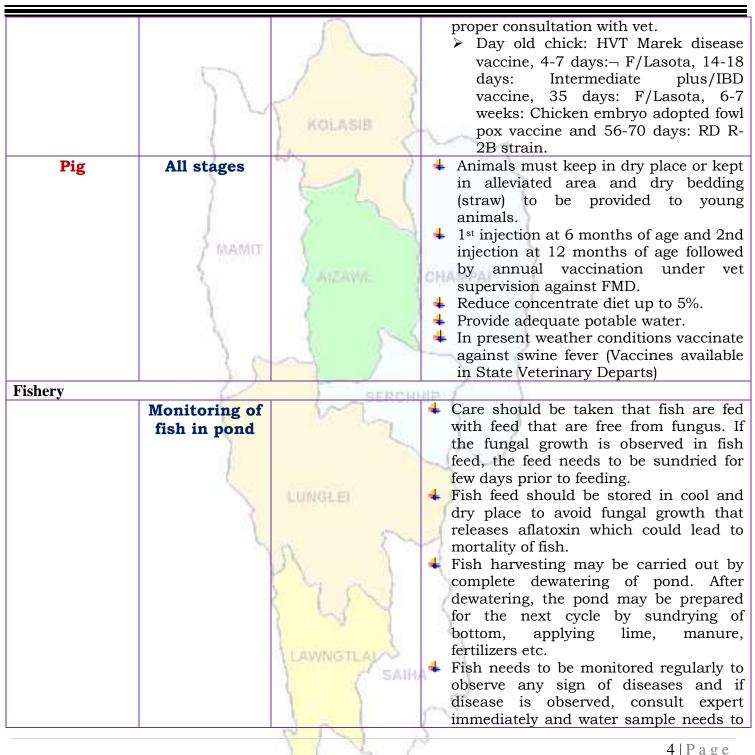


Vegetable	N	KOLASIB	<ul> <li>mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<u> </u>	<b>D</b> 1		
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	"FL	<ul> <li>There is possibility of less rain in upcoming</li> <li>5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage</li> </ul>
	{ MAINIT	AIZAVA.	butterfly will be more due increase of temperature. Apply any contact insecticide.
	20	L J	fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage		<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		<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</li> </ul>
		NIN /	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



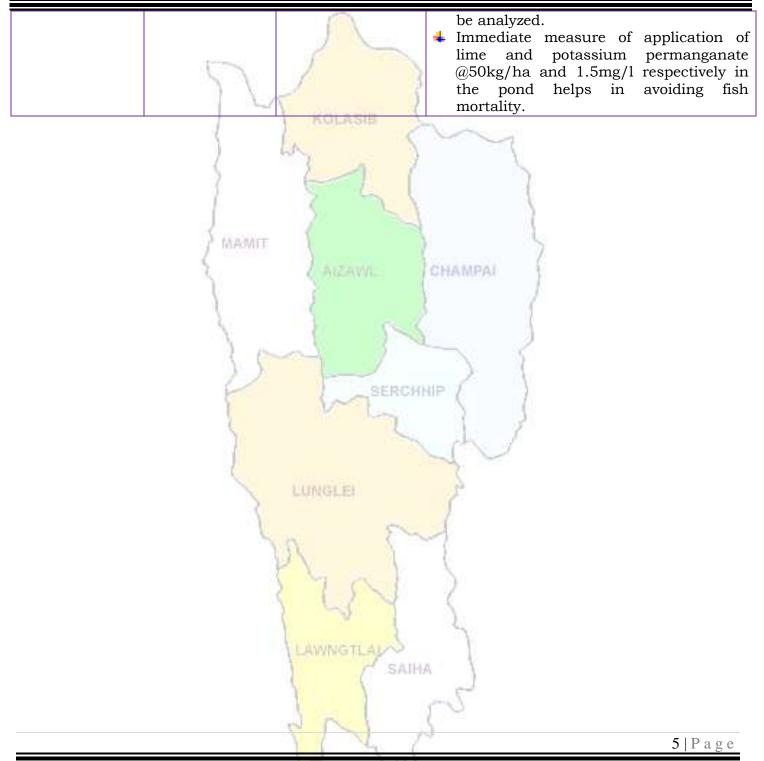




ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM

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







#### **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: 27<sup>th</sup>February-3<sup>rd</sup>March, 2019

Bulletin No: - 856/2019/ Bulletin/English

Date of issue: 26thFebruary, 2019

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
Rainfall (mm)	10	4	9	0	0
Max Temp (°C)	28	28	28	29	30
Min Temp (°C)	16	16	14	16	17
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
Max RH (%)	74	77	96	60	55
Min RH (%)	55	52	54	20	19
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	79	98	70	60	59
Northe	rly- N. North-E	asterly- N-E. Eas	sterly- E. South	-Easterly- S-E.	

Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

next five days.

Weather summary of the past three days Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):11°-14°C Maximum RH (%):85-96% Minimum RH (%):43-59% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 3.05 km/hr

Rainfall: 2.0 mm

**NDVI for Mizoram** 

#### Weekly cumulative rainfall: 23.0 mm

There are chances of light rainfall during the next 2 days.

The maximum and minimum temperatures for the next 5

days may range for 28-30°C and 14-17°C. Maximum

relative humidity is expected in the range of 55-96% and

minimum may from 19-55%. Wind direction would be

easterly to northeasterly and easterly with the wind speed

of 4 km per hour. Mainly cloudy will prevail during the

Dry condition occurs in all districts of Mizoram.

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals		·	
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	KOLASIB	5 days and temperature will be high.
	1	C	4 Use straw mulch to reduce water loss
	)	WALL N	from soil
		1 1 1	♣ Apply 2% urea solution for better
			growth.
	6	2 21	Provide water every week
	200		<b>4</b> Infestation of aphid and cob borer will
	AMAT		be more due increase of temperature.
	2. 10.0002		Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage		5 days and temperature will be high.
blackgram,	1	(	Apply 2% urea solution for better
toria and pea	S	1 5	growth.
	0.0	A 5 7	Provide water every 10 days interval.
	10 8		Weeding should not done in upcoming
	0	SERCH	weeks.
		12-1-	4 Infestation of aphid and cob borer will
	8		be more due increase of temperature.
	2	1	Apply any systematic insecticide.
Fruits	118		
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage	LUNGLEI	or pale yellow or orange.
	3		+ Outer rind looks shiny and one can see
		5	oil glands on the fruit.
		11 1 1	Harvest all mature fruit.
		Dans 14 Mar	4 Purn all disease infected part.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
		1 LAN	containing sugar or jeggery at 10 g/1 at
		( · · · · · · · · · · · · · · · · · · ·	fortnightly intervals at flowering and fruit
		Company and a state	initiation.
Strawberry	<b>Flowering to</b>	LAWNGILA	There is no possibility rain in upcoming
	fruit	SAIH)	5 days and temperature will be high.
	formation		Provide water every 10 days interval.
	phase	1 25 1	+ Possibility to occurrence of Powdery
		P N A	)
			2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Vegetable	2	KOLASIB	<ul> <li>mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
0		0	
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	AIZAVAL	<ul> <li>There is possibility of less rain in upcoming 5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage butterfly will be more due increase of temperature. Apply any contact</li> </ul>
		1 2	insecticide. Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage		<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	dry	11	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAL	<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</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



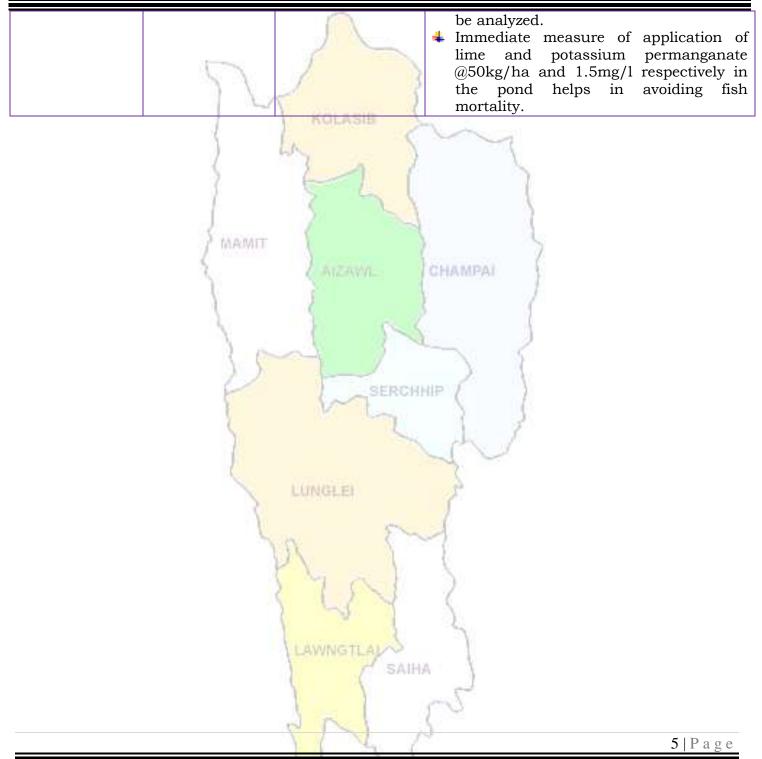
		12	proper consultation with vet.
			> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
	1	5 5	vaccine, 35 days: F/Lasota, 6-7
		C 1	
		KOLASIB	weeks: Chicken embryo adopted fowl
	1	1	pox vaccine and 56-70 days: RD R-
		La.	2B strain.
Pig	All stages	3 5 1	Animals must keep in dry place or kept
	2		in alleviated area and dry bedding
	1	S Con U	(straw) to be provided to young
		5. 54	animals.
	2		↓ 1 <sup>st</sup> injection at 6 months of age and 2nd
	/ MAMIT		injection at 12 months of age followed
	6	A second second	by annual vaccination under vet
	5	AIZAWA_	supervision against FMD.
	1	1	<b>4</b> Reduce concentrate diet up to 5%.
	(	( )	Provide adequate potable water.
	S	1 55	In present weather conditions vaccinate
			against swine fever (Vaccines available
	500		in State Veterinary Departs)
Fishery	12		
I ISHCI y	Monitoring of	SERCH	4 Care should be taken that fish are fed
			with feed that are free from fungus. If
	fish in pond		the fungal growth is observed in fish
	1		feed, the feed needs to be sundried for
			few days prior to feeding.
		A COMMENT OF A	Fish feed should be stored in cool and
	S	LUNGLEI	
	5		dry place to avoid fungal growth that
		5	releases aflatoxin which could lead to
		1. 1	mortality of fish.
			+ Fish harvesting may be carried out by
		1 7 Cat	complete dewatering of pond. After
			dewatering, the pond may be prepared
			for the next cycle by sundrying of
		1	bottom, applying lime, manure,
		LAWNGTLAL	fertilizers etc.
		/ SAIH	+ Fish needs to be monitored regularly to
		S 8	observe any sign of diseases and if
			disease is observed, consult expert
		al a	immediately and water sample needs to
		Y N A	4   P a g e



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







#### **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

Bulletin No: - 856/2019/ Bulletin/English

Date of issue: 26<sup>th</sup>February, 2019

Period: 27thFebruary-03rdMarch, 2019

		100	A STATE OF A			
Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019	
Rainfall (mm)	9	6	9	0	0	
Max Temp (°C)	29	29	28	29	30	
Min Temp (°C)	16	16	15	16	17	
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky	
Max RH (%)	94	93	98	69	63	
Min RH (%)	56	76	84	22	20	
Wind Speed (KmpH)	2	3	2	3	3	
*Wind Direction	E	E	E	Е	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 27<sup>th</sup>February, 2019 To

three days
Maximum Tem. (°C):18-21°C
Minimum Tem. (°C):10°-11°C
Maximum RH (%):74-90%
Minimum RH (%):42-53%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.42 km/hr

Rainfall: 08.3 mm

**NDVI for Mizoram** 

**03<sup>rd</sup>March, 2019.** There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 15-17°C. Maximum relative humidity is expected in the range of 63-98% and minimum may from 20-84%. Wind direction would be easterly with the wind speed of 2-3 km per hour. Mainly cloudy will prevail during the next five days.

#### Weekly cumulative rainfall: 24.0 mm

Mizoram.

Dry condition occurs in all districts of

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to-



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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Cereals			
Rabi Maize	Flowering	Seed production	There is no possibility rain in upcoming
	stage	KOLASIB	5 days and temperature will be high.
	t	C	4 Use straw mulch to reduce water loss
	)	LA N	from soil
	(	1 1 1	<b>4</b> Apply 2% urea solution for better
	1		growth.
	1	2 21	Provide water every week
		21 24	4 Infestation of aphid and cob borer will
	AMAMIT		be more due increase of temperature.
	1	1	Apply any systematic insecticide.
Zero tillage	Flowering	Zero tillage	There is no possibility rain in upcoming
greengram,	stage		5 days and temperature will be high.
blackgram,		(	Apply 2% urea solution for better
toria and pea		1 64	growth.
	1		Provide water every 10 days interval.
	100		<b>4</b> Weeding should not done in upcoming
	12	arnout	weeks.
	5	SERCH	• Intestation of aprild and cob borer will
	5		be more due increase of temperature.
	5		Apply any systematic insecticide.
Fruits			
Citrus	Harvesting	Citrus Canker	Colour changes from green to pale green
	stage	LUNGLEI	or pale yellow or orange.
	5		Outer rind looks shiny and one can see
		550	oil glands on the fruit.
		N ( )	👎 Harvest all mature fruit.
			🖊 Purn all disease infected part.
		Fruit fly	4 In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		200	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
			initiation.
Strawberry	Flowering to	LAWNGTLAN	There is no possibility rain in upcoming
	fruit	J F SAIH	5 days and temperature will be high.
	formation		<ul> <li>Provide water every 10 days interval.</li> </ul>
	phase		A Possibility to occurrence of Powdery
	phase	0 0	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

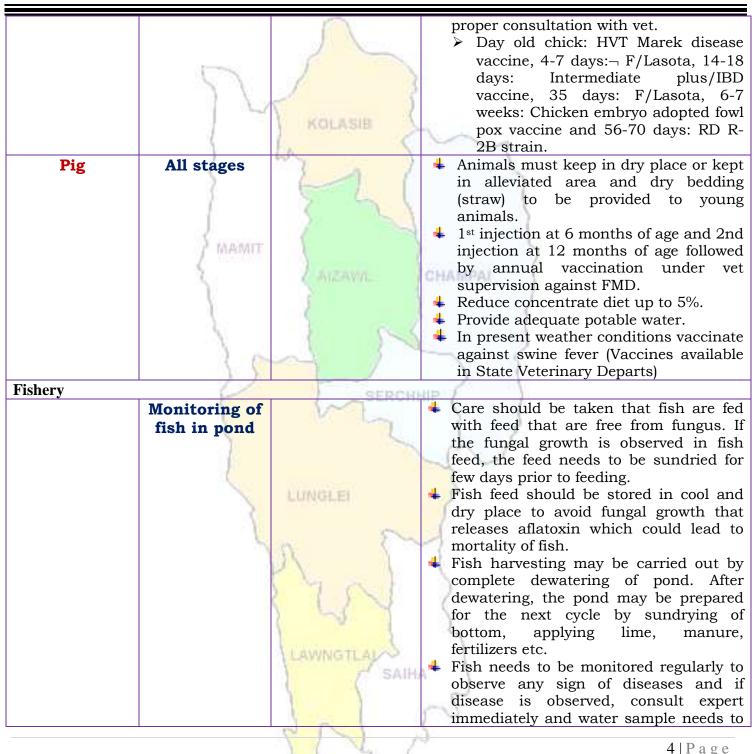


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Vagatable	2	KOLASIB	<ul> <li>mildew will be high so apply any sulpher based fungicide to reduce disease incidence.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
Vegetable		0	
Tomato, crucifer, onion, brinjal and chill	Fruit/ card formation stage	"Fhi	<ul> <li>There is possibility of less rain in upcoming</li> <li>5 days and temperature will be low.</li> <li>Provide water every week</li> <li>Use straw as a mulch to reduce soil erosion.</li> <li>Infestation of fruit borer and cabbage</li> </ul>
	{ MAMIT	AIZAWA.	butterfly will be more due increase of temperature. Apply any contact insecticide. Spray 2% any sulpher based
	35	2 54	fungicide to save vegetable plant to save from powdery mildew and white rust of mustard
Potato	Vegetative stage		<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	der	The second secon	lertilizer.
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	Discase	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> </ul>
		LAWNGTLAL	+ Provide glucose/electral along with
		NIN /	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



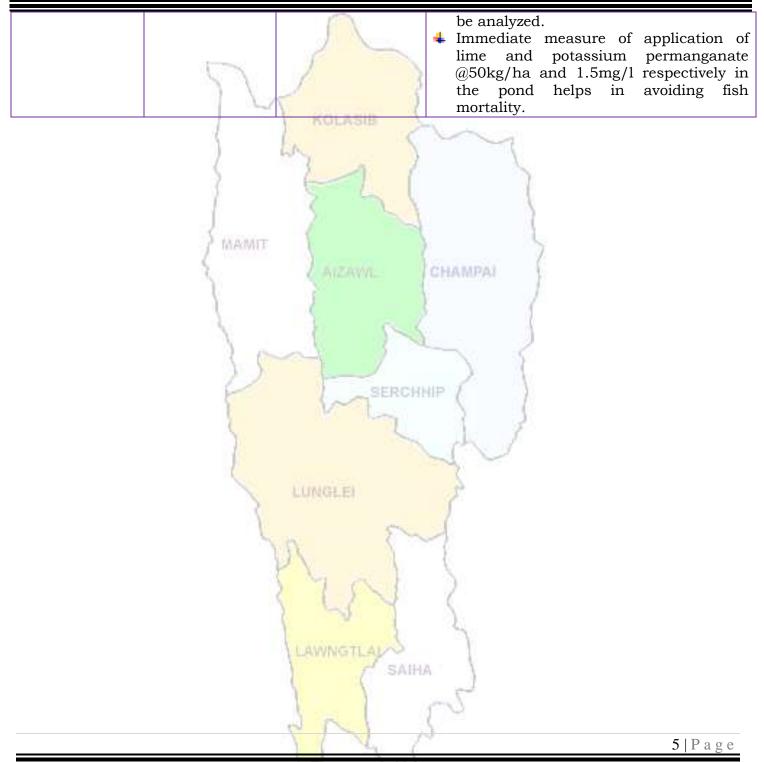




ICAR RESEARCH COMPLEX FOR NEH REGION Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

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