



# 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:** 27<sup>th</sup>February–03<sup>rd</sup>March, 2019

**Bulletin No:** - 856/2019/ Bulletin/English

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

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
<b>Rainfall (mm)</b>	9	12	8	0	0
<b>Max Temp (°C)</b>	27	27	27	28	28
<b>Min Temp (°C)</b>	17	16	14	16	17
<b>Cloud Coverage</b>	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
<b>Max RH (%)</b>	98	97	98	80	74
<b>Min RH (%)</b>	58	83	92	26	24
<b>Wind Speed (Kmph)</b>	4	2	3	2	2
<b>*Wind Direction</b>	S-E	S-E	S-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 days

**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**

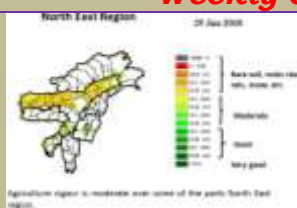
**Rainfall: 12.5 mm**

## Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.

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 five days.

**Weekly cumulative rainfall: 29.0 mm**

## NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b> KOLASIB	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Use straw mulch to reduce water loss from soil ✚ Apply 2% urea solution for better growth. ✚ Provide water every week ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b> MAMIT SERCHHI	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Apply 2% urea solution for better growth. ✚ Provide water every 10 days interval. ✚ Weeding should not done in upcoming weeks. ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b> LUNGLEI	✚ Colour changes from green to pale green 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.
		<b>Fruit fly</b>	✚ 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 initiation.
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>	LAWNGTLAI SAIHA	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Provide water every 10 days interval. ✚ Possibility to occurrence of Powdery



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			<p>mildew will be high so apply any sulphur based fungicide to reduce disease incidence.</p> <ul style="list-style-type: none"> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Vegetable</b>			
<b>Tomato, crucifer, onion, brinjal and chill</b>	<b>Fruit/ card formation stage</b>		<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> <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> </ul> <p><b>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</b></p>
<b>Potato</b>	<b>Vegetative stage</b>		<ul style="list-style-type: none"> <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>
<b>Animal Husbandry</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Poultry</b>	<b>All age group</b>		<ul style="list-style-type: none"> <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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			<p>proper consultation with vet.</p> <ul style="list-style-type: none"> <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>
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <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>
<b>Fishery</b>			
	<b>Monitoring of fish in pond</b>		<ul style="list-style-type: none"> <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>





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			<p>be analyzed.</p> <p>✚ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.</p>
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## Expert committee members:

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**District:** Saiha

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

**Bulletin No:** - 856/2019/ Bulletin/English

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

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
<b>Rainfall (mm)</b>	6	3	11	0	0
<b>Max Temp (°C)</b>	26	22	23	25	25
<b>Min Temp (°C)</b>	16	15	14	12	11
<b>Cloud Coverage</b>	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
<b>Max RH (%)</b>	74	76	99	59	54
<b>Min RH (%)</b>	57	49	45	19	18
<b>Wind Speed (Kmph)</b>	4	4	3	4	4
<b>*Wind Direction</b>	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 days

**Maximum Tem. (°C):22-24°C**  
**Minimum Tem. (°C):11°-14°C**  
**Maximum RH (%):74-96%**  
**Minimum RH (%):51-68%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Clear sky**  
**Wind speed: 2.09 km/hr**

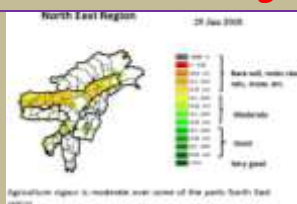
**Rainfall: 08.5 mm**

## Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 22-25°C and 11-16°C. Maximum relative humidity is expected in the range of 54-99% and minimum may from 18-57%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Partially clear will prevail during the next five days.

**Weekly cumulative rainfall: 20.0 mm**

## NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b> KOLASIB	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Use straw mulch to reduce water loss from soil ✚ Apply 2% urea solution for better growth. ✚ Provide water every week ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b> MAMIT SERCHHI	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Apply 2% urea solution for better growth. ✚ Provide water every 10 days interval. ✚ Weeding should not done in upcoming weeks. ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b> LUNGLEI	✚ Colour changes from green to pale green 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.
		<b>Fruit fly</b>	✚ 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 initiation.
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>	LAWNGTLAI SAIHA	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Provide water every 10 days interval. ✚ Possibility to occurrence of Powdery





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			<p>mildew will be high so apply any sulphur based fungicide to reduce disease incidence.</p> <ul style="list-style-type: none"> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Vegetable</b>			
<b>Tomato, crucifer, onion, brinjal and chill</b>	<b>Fruit/ card formation stage</b>		<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> <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> </ul> <p><b>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</b></p>
<b>Potato</b>	<b>Vegetative stage</b>		<ul style="list-style-type: none"> <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>
<b>Animal Husbandry</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Poultry</b>	<b>All age group</b>		<ul style="list-style-type: none"> <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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			<p>proper consultation with vet.</p> <ul style="list-style-type: none"> <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>
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <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>
<b>Fishery</b>			
	<b>Monitoring of fish in pond</b>		<ul style="list-style-type: none"> <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>



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			<p>be analyzed.</p> <p>✚ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.</p>
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## Expert committee members:

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Serchhip

**Period:** 27<sup>th</sup>February–3<sup>rd</sup>March, 2019

**Bulletin No:** - 856/2019/ Bulletin/English

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

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
<b>Rainfall (mm)</b>	13	11	12	0	0
<b>Max Temp (°C)</b>	28	27	27	28	29
<b>Min Temp (°C)</b>	15	15	14	15	16
<b>Cloud Coverage</b>	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
<b>Max RH (%)</b>	98	97	99	72	66
<b>Min RH (%)</b>	65	82	92	22	21
<b>Wind Speed (Kmph)</b>	2	3	2	4	4
<b>*Wind Direction</b>	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 days**

**Maximum Tem. (°C):22-24°C**  
**Minimum Tem. (°C):12°-14°C**  
**Maximum RH (%):83-96%**  
**Minimum RH (%):46-62%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Clear sky**  
**Wind speed: 2.25 km/hr**

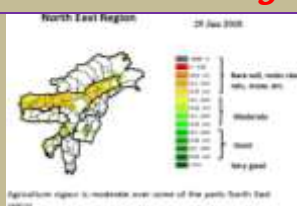
**Rainfall: 09.0 mm**

**Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.**

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 27-29°C and 14-16°C. Maximum relative humidity is expected in the range of 66-99% and minimum may from 21-92%. Wind direction would be easterly with the wind speed of 2-41 km per hour. Mainly cloudy will prevail during the next five days.

**Weekly cumulative rainfall: 36.0 mm**

**NDVI for Mizoram**



Dry condition occurs in all districts of Mizoram.



# 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)



Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b> KOLASIB	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Use straw mulch to reduce water loss from soil ✚ Apply 2% urea solution for better growth. ✚ Provide water every week ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b> MAMIT SERCHHI	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Apply 2% urea solution for better growth. ✚ Provide water every 10 days interval. ✚ Weeding should not done in upcoming weeks. ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b> LUNGLEI	✚ Colour changes from green to pale green 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.
		<b>Fruit fly</b>	✚ 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 initiation.
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>	LAWNGTLAI SAIHA	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Provide water every 10 days interval. ✚ Possibility to occurrence of Powdery



# 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)



			<p>mildew will be high so apply any sulphur based fungicide to reduce disease incidence.</p> <ul style="list-style-type: none"> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Vegetable</b>			
<b>Tomato, crucifer, onion, brinjal and chill</b>	<b>Fruit/ card formation stage</b>		<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> <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> </ul> <p><b>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</b></p>
<b>Potato</b>	<b>Vegetative stage</b>		<ul style="list-style-type: none"> <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>
<b>Animal Husbandry</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Poultry</b>	<b>All age group</b>		<ul style="list-style-type: none"> <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>



# 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)



			<p>proper consultation with vet.</p> <ul style="list-style-type: none"> <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>
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <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>
<b>Fishery</b>			
	<b>Monitoring of fish in pond</b>		<ul style="list-style-type: none"> <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>





# 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)



			<p>be analyzed.</p> <p>✚ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.</p>
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# 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)



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<b>KVK, Champhai</b>	:	<b>Mrs. Lalrinawmi Renthlei</b> Head & Sr. Scientist	<a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>	9436159788
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<b>KVK, Saiha</b>	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	<a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>	8974656509
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# 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:** Aizawl

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

**Bulletin No:** - 856/2019/ Bulletin/English

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

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

**Weather summary of the past 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**

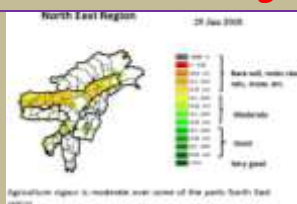
**Rainfall: 12.0 mm**

**Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.**

There are chances of moderate rainfall during the next 2 days. 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 74-99% and minimum may from 24-94%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Mainly cloudy will prevail during the next five days.

**Weekly cumulative rainfall: 37.0 mm**

**NDVI for Mizoram**



Dry condition occurs in all districts of Mizoram.



# 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)



Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b> KOLASIB	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Use straw mulch to reduce water loss from soil ✚ Apply 2% urea solution for better growth. ✚ Provide water every week ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b> SERCHHI	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Apply 2% urea solution for better growth. ✚ Provide water every 10 days interval. ✚ Weeding should not done in upcoming weeks. ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b> LUNGLEI	✚ Colour changes from green to pale green 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.
		<b>Fruit fly</b>	✚ 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 initiation.
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>	LAWNGTLAI SAIHA	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Provide water every 10 days interval. ✚ Possibility to occurrence of Powdery





# 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)



			<p>mildew will be high so apply any sulphur based fungicide to reduce disease incidence.</p> <ul style="list-style-type: none"> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Vegetable</b>			
<b>Tomato, crucifer, onion, brinjal and chill</b>	<b>Fruit/ card formation stage</b>		<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> <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> </ul> <p><b>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</b></p>
<b>Potato</b>	<b>Vegetative stage</b>		<ul style="list-style-type: none"> <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>
<b>Animal Husbandry</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Poultry</b>	<b>All age group</b>		<ul style="list-style-type: none"> <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>



# 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)



			<p>proper consultation with vet.</p> <ul style="list-style-type: none"> <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>
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <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>
<b>Fishery</b>			
	<b>Monitoring of fish in pond</b>		<ul style="list-style-type: none"> <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>



# 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)



			be analyzed. ✚ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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# 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)



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Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
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# 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:** Aizawl

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

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

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

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

**Weather summary of the past three days**

**27<sup>th</sup>February–03<sup>rd</sup>March, 2019 chhunga sik leh sa dinhmun tur tlangpui**

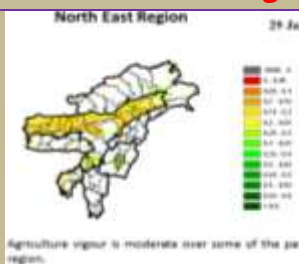
**Maximum Tem. (°C):19-22°C**  
**Minimum Tem. (°C):08°-13°C**  
**Maximum RH (%):74-88%**  
**Minimum RH (%):41-62%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Clear sky**  
**Wind speed: 2.12 km/hr**

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.

**Rainfall: 12.0 mm**

**Weekly cumulative rainfall: 37.0mm**

**NDVI for Mizoram**



Mildly dry condition occurs in all districts of Mizoram.

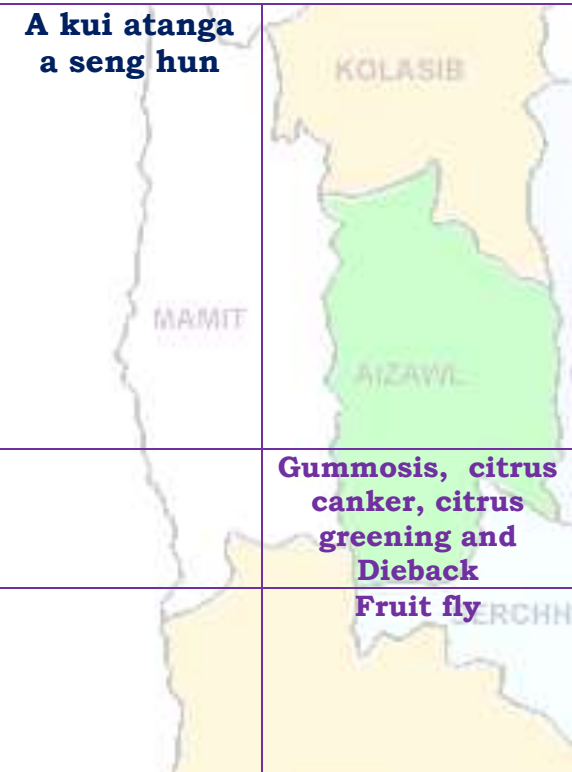



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>FRUITS CROPS</b>			
<b>KHASI MANDARIN AND ACID LIME</b>	<b>A kui atanga a seng hun</b>		<ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>
<b>BANANA</b>			
<b>STAR FRUIT</b>			
<b>PLUM AND PEACH</b>			
		<b>Gummosis, citrus canker, citrus greening and Dieback</b>	<ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>
		<b>Fruit fly</b>	<ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>
<b>PLANTATION CROP</b>			
<b>COFFEE</b>	<b>All stages</b>		<b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a, chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>



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			<b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>
		<b>Coffee Berry borer</b>	<ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennis a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawl a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul>
		<b>Coffee Rust</b>	<ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhonzawm tur ani.</li> </ul>
<b>CEREALS AND PULSE CROPS</b>			
<b>Rabi Maize</b>	<b>A chin hun</b>		<ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a taw vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>



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			K <sub>2</sub> O/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.
<b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b>	<b>All stage</b>	<b>Zero tillage</b>	<ul style="list-style-type: none"> <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>
<b>Potato</b>	<b>Sowing stage</b>		<ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun lain 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>
<b>VEGETABLE CROP</b>			
<b>Tomato</b>	<b>Bacterial Blight disease</b>		<ul style="list-style-type: none"> <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>
<b>Early Cole crop</b>	<b>Black spot disease</b>		<ul style="list-style-type: none"> <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 dumrawn</li> </ul>





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			<p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
<b>Onion and capsicum</b>	<b>Nursery stage</b>	<b>Poly house</b>	<ul style="list-style-type: none"> <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>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>
		<b>Phytophthora blight</b>	<ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed 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 pek hi a tha hle ani.</li> </ul>
<b>French bean</b>	<b>Sowing stage</b>		<ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
<b>Carrot and radish</b>	<b>Sowing stage</b>		<ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <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 pawlha kah tur ani.</li> </ul>


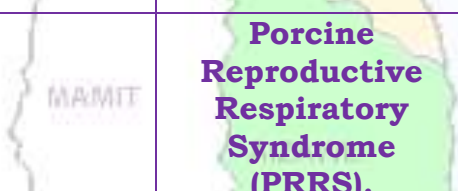
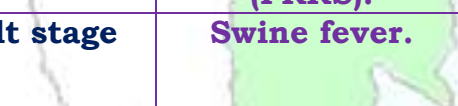






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ANIMAL HUSBANDRY			
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <li>Khua a vawh hian vawh hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur 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>
			<p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawh lak hran.</p>
	<b>Adult stage</b>		<p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>
<b>Cattle</b>	<b>All age group</b>		<ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawh tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>
	<b>All age group</b>		<ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>
	<b>Young stage</b>		<ul style="list-style-type: none"> <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>
<b>Poultry</b>	<b>Litter management</b>		<ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawh, chaw tha an mamawh tawh leh tui thianghlim an mamawh tawh an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawh tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>



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			<ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	<b>Preventive measures</b>	<b>0-3<sup>rd</sup> week</b>	<ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
		<b>4<sup>th</sup> weeks</b>	<ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>
		<b>4-5<sup>th</sup> Weeks</b>	<ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>
<b>FISHERY</b>			
	<b>Monitoring (Sangha enkawl)</b>		<ul style="list-style-type: none"> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>



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Guwahati)



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Champhai

**Period:** 27<sup>th</sup>February–3<sup>rd</sup>March, 2019

**Bulletin No:** - 856/2019/ Bulletin/English

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

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
<b>Rainfall (mm)</b>	10	13	12	0	0
<b>Max Temp (°C)</b>	28	27	27	29	29
<b>Min Temp (°C)</b>	15	14	12	15	15
<b>Cloud Coverage</b>	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
<b>Max RH (%)</b>	97	96	96	74	66
<b>Min RH (%)</b>	68	84	86	22	22
<b>Wind Speed (Kmph)</b>	3	3	3	4	4
<b>*Wind Direction</b>	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 three days

**Maximum Tem. (°C):20-21°C**  
**Minimum Tem. (°C):10°-14°C**  
**Maximum RH (%):76-91%**  
**Minimum RH (%):42-63%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Clear sky**  
**Wind speed: 2.31 km/hr**

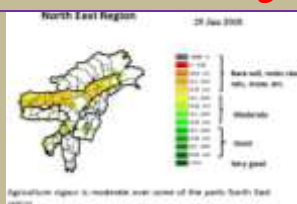
**Rainfall: 10.5 mm**

## Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.

There are chances of moderate to light rainfall during the 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.

**Weekly cumulative rainfall: 35.0 mm**

## NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.

Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
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Animal / Fisheries		practices/ Pest/ Diseases	husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b>	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Use straw mulch to reduce water loss from soil</li> <li>Apply 2% urea solution for better growth.</li> <li>Provide water every week</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b>	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Apply 2% urea solution for better growth.</li> <li>Provide water every 10 days interval.</li> <li>Weeding should not done in upcoming weeks.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b>	<ul style="list-style-type: none"> <li>Colour changes from green to pale green or pale yellow or orange.</li> <li>Outer rind looks shiny and one can see oil glands on the fruit.</li> <li>Harvest all mature fruit.</li> <li>Purn all disease infected part.</li> </ul>
		<b>Fruit fly</b>	<ul style="list-style-type: none"> <li>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 initiation.</li> </ul>
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>		There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Provide water every 10 days interval.</li> <li>Possibility to occurrence of Powdery mildew will be high so apply any sulphur</li> </ul>



# 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)



			<p>based fungicide to reduce disease incidence.</p> <ul style="list-style-type: none"> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Vegetable</b>			
<b>Tomato, crucifer, onion, brinjal and chill</b>	<b>Fruit/ card formation stage</b>		<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> <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> </ul> <p><b>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</b></p>
<b>Potato</b>	<b>Vegetative stage</b>		<ul style="list-style-type: none"> <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>
<b>Animal Husbandry</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Poultry</b>	<b>All age group</b>		<ul style="list-style-type: none"> <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>



# 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)



			<ul style="list-style-type: none"> <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>
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <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>
<b>Fishery</b>			
	<b>Monitoring of fish in pond</b>		<ul style="list-style-type: none"> <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 be analyzed.</li> </ul>






# 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)*



			 Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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# 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)



## Expert committee members:

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<b>Mr. Samik Chowdhury</b>	:	Technical Officer	<a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>
<b>Mr. Evans Syiem</b>	:	Meteorological Observer	<a href="mailto:evansmeteo@gmail.com">evansmeteo@gmail.com</a>

## Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
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<b>KVK, Mamit</b>	<b>Dr. Samuel Lalliansanga</b> Head & Sr. Scientist	<a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>	9436147625
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# 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:** Kolasib

**Period:** 27<sup>th</sup>February–3<sup>rd</sup>March, 2019

**Bulletin No:** - 856/2019/ Bulletin/English

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

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

## Weather summary of the past three days

**Maximum Tem. (°C):26-28°C**  
**Minimum Tem. (°C):13°-15°C**  
**Maximum RH (%):88-93%**  
**Minimum RH (%):51-63%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Clear sky**  
**Wind speed: 2.21 km/hr**

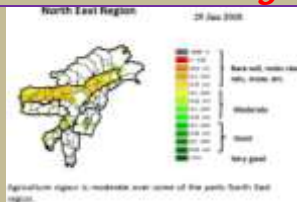
**Rainfall: 16.0 mm**

## Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.

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 28-29°C and 13-17°C. Maximum relative humidity is expected in the range of 77-98% and minimum may from 26-95%. Wind direction would be southeasterly to easterly and southwesterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

**Weekly cumulative rainfall: 28.0 mm**

## NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



# 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)



Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b> KOLASIB	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Use straw mulch to reduce water loss from soil</li> <li>Apply 2% urea solution for better growth.</li> <li>Provide water every week</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b> MAMIT SERCHHI	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Apply 2% urea solution for better growth.</li> <li>Provide water every 10 days interval.</li> <li>Weeding should not done in upcoming weeks.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b> LUNGLEI	<ul style="list-style-type: none"> <li>Colour changes from green to pale green or pale yellow or orange.</li> <li>Outer rind looks shiny and one can see oil glands on the fruit.</li> <li>Harvest all mature fruit.</li> <li>Purn all disease infected part.</li> </ul>
		<b>Fruit fly</b>	<ul style="list-style-type: none"> <li>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 initiation.</li> </ul>
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>	LAWNGTLAI SAIHA	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Provide water every 10 days interval.</li> <li>Possibility to occurrence of Powdery</li> </ul>





# 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)



			<p>mildew will be high so apply any sulphur based fungicide to reduce disease incidence.</p> <ul style="list-style-type: none"> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Vegetable</b>			
<b>Tomato, crucifer, onion, brinjal and chill</b>	<b>Fruit/ card formation stage</b>		<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> <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> </ul> <p><b>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</b></p>
<b>Potato</b>	<b>Vegetative stage</b>		<ul style="list-style-type: none"> <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>
<b>Animal Husbandry</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Poultry</b>	<b>All age group</b>		<ul style="list-style-type: none"> <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>



# 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)



			<p>proper consultation with vet.</p> <ul style="list-style-type: none"> <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>
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <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>
<b>Fishery</b>			
	<b>Monitoring of fish in pond</b>		<ul style="list-style-type: none"> <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>



# 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)*



			<p>be analyzed.</p> <p>✚ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.</p>
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# 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)



## Expert committee members:

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<b>Mr. Samik Chowdhury</b>	:	Technical Officer	<a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>
<b>Mr. Evans Syiem</b>	:	Meteorological Observer	<a href="mailto:evansmeteo@gmail.com">evansmeteo@gmail.com</a>

## Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
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<b>KVK, Kolasib</b>	<b>Mr. Lalrosamga Khiangte</b> Head & Sr. Scientist	<a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>	9436152440
<b>KVK, Serchhip</b>	<b>Mr. K. Laitlanmawia</b> Head & Sr. Scientist	<a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>	9436146115 9615389293
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# 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:** Lawngtlai

**Period:** 27<sup>th</sup>February–3<sup>rd</sup>March, 2019

**Bulletin No:** - 856/2019/ Bulletin/English

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

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
<b>Rainfall (mm)</b>	10	4	9	0	0
<b>Max Temp (°C)</b>	28	28	28	29	30
<b>Min Temp (°C)</b>	16	16	14	16	17
<b>Cloud Coverage</b>	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
<b>Max RH (%)</b>	74	77	96	60	55
<b>Min RH (%)</b>	55	52	54	20	19
<b>Wind Speed (Kmph)</b>	4	4	4	4	4
<b>*Wind Direction</b>	79	98	70	60	59

**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):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**

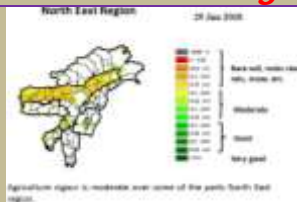
**Rainfall: 2.0 mm**

## Weather forecast valid from 27<sup>th</sup>February, 2019 To 03<sup>rd</sup>March, 2019.

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 next five days.

**Weekly cumulative rainfall: 23.0 mm**

## NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



# 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)



Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b> KOLASIB	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Use straw mulch to reduce water loss from soil ✚ Apply 2% urea solution for better growth. ✚ Provide water every week ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b> MAMIT SERCHHI	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Apply 2% urea solution for better growth. ✚ Provide water every 10 days interval. ✚ Weeding should not done in upcoming weeks. ✚ Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b> LUNGLEI	✚ Colour changes from green to pale green 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.
		<b>Fruit fly</b>	✚ 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 initiation.
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>	LAWNGTLAI SAIHA	There is no possibility rain in upcoming 5 days and temperature will be high. ✚ Provide water every 10 days interval. ✚ Possibility to occurrence of Powdery



# 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)



			<p>mildew will be high so apply any sulphur based fungicide to reduce disease incidence.</p> <ul style="list-style-type: none"> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Vegetable</b>			
<b>Tomato, crucifer, onion, brinjal and chill</b>	<b>Fruit/ card formation stage</b>		<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> <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> </ul> <p><b>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</b></p>
<b>Potato</b>	<b>Vegetative stage</b>		<ul style="list-style-type: none"> <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>
<b>Animal Husbandry</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
<b>Poultry</b>	<b>All age group</b>		<ul style="list-style-type: none"> <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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			<p>proper consultation with vet.</p> <ul style="list-style-type: none"> <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>
<b>Pig</b>	<b>All stages</b>		<ul style="list-style-type: none"> <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>
<b>Fishery</b>			
	<b>Monitoring of fish in pond</b>		<ul style="list-style-type: none"> <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>





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			<p>be analyzed.</p> <p>✚ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.</p>
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## Expert committee members:

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**District:** Lunglei

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

**Bulletin No:** - 856/2019/ Bulletin/English

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

Parameters	27.02.2019	28.02.2019	01.03.2019	02.03.2019	03.03.2019
<b>Rainfall (mm)</b>	9	6	9	0	0
<b>Max Temp (°C)</b>	29	29	28	29	30
<b>Min Temp (°C)</b>	16	16	15	16	17
<b>Cloud Coverage</b>	Mainly Cloudy	Mainly Cloudy	Mainly clear	Clear sky	Clear sky
<b>Max RH (%)</b>	94	93	98	69	63
<b>Min RH (%)</b>	56	76	84	22	20
<b>Wind Speed (Kmph)</b>	2	3	2	3	3
<b>*Wind Direction</b>	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 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**

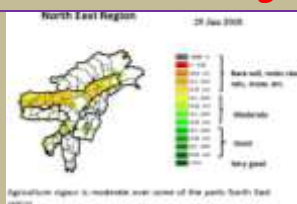
**Rainfall: 08.3 mm**

**Weather forecast valid from 27<sup>th</sup>February, 2019 To 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**

**NDVI for Mizoram**



Dry condition occurs in all districts of Mizoram.



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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
<b>Cereals</b>			
<b>Rabi Maize</b>	<b>Flowering stage</b>	<b>Seed production</b> KOLASIB	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Use straw mulch to reduce water loss from soil</li> <li>Apply 2% urea solution for better growth.</li> <li>Provide water every week</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Zero tillage greengram, blackgram, toria and pea</b>	<b>Flowering stage</b>	<b>Zero tillage</b> SERCHHI	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Apply 2% urea solution for better growth.</li> <li>Provide water every 10 days interval.</li> <li>Weeding should not done in upcoming weeks.</li> <li>Infestation of aphid and cob borer will be more due increase of temperature. Apply any systematic insecticide.</li> </ul>
<b>Fruits</b>			
<b>Citrus</b>	<b>Harvesting stage</b>	<b>Citrus Canker</b> LUNGLEI	<ul style="list-style-type: none"> <li>Colour changes from green to pale green or pale yellow or orange.</li> <li>Outer rind looks shiny and one can see oil glands on the fruit.</li> <li>Harvest all mature fruit.</li> <li>Purn all disease infected part.</li> </ul>
		<b>Fruit fly</b>	<ul style="list-style-type: none"> <li>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 initiation.</li> </ul>
<b>Strawberry</b>	<b>Flowering to fruit formation phase</b>	LAWNGTLAI SAIHA	There is no possibility rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> <li>Provide water every 10 days interval.</li> <li>Possibility to occurrence of Powdery</li> </ul>





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