



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: 9thFebruary–13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

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

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

Weather summary of the past three days

Maximum Tem. (°C):16-18°C
Minimum Tem. (°C):05^o-09°C
Maximum RH (%):68-86%
Minimum RH (%):41-52%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.42 km/hr

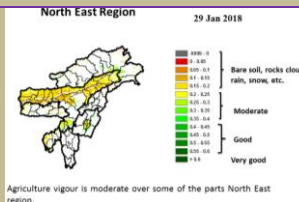
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019.

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

Weekly cumulative rainfall: 9.0 mm

NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Rabi Maize	Vegetative stage	Seed production KOLASIB MAMIT AIZAWL	<p>There is possibility of less rain in upcoming 5 days and temperature will be high.</p> <ul style="list-style-type: none"> ✚ Thinning must be done where more population was observed. ✚ Irrigation should be provide 3 days interval ✚ Apply 2% urea solution for better growth. ✚ Weeding and earthing up should be carried out. ✚ Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage SERCHHI LUNGLEI	<ul style="list-style-type: none"> ✚ Possibility of rain will be very less. So provide water every alternate day. ✚ Weeding should be done. ✚ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. ✚ Apply 2% urea solution to avoid stress condition.
Fruits			
Citrus	Harvesting stage	Citrus Canker	<ul style="list-style-type: none"> ✚ 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.
		Fruit fly LAWNGTLAI SAIHA	<ul style="list-style-type: none"> ✚ 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> ✚ Possibility of rain will be very less. So provide water every alternate day.



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			<ul style="list-style-type: none"> ✚ Possibility to occurrence of Powdery mildew will be high so apply any sulphur based fungicide to reduce disease incidence. ✚ Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB MAMIT AIZAWL	<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> ✚ Earthing up soil near base of the plant. ✚ Apply split dose of fertilizer. ✚ Don't irrigate any crop. ✚ Staking should be done. <p>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</p>
Potato	Vegetative stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI SAIHA	<ul style="list-style-type: none"> ✚ Provide preventive dose of anti-coccidial drugs to poultry. ✚ Proper ventilation of shed. ✚ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ✚ Avoid overcrowding. ✚ Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18



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			<p>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.</p>
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery			
	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate



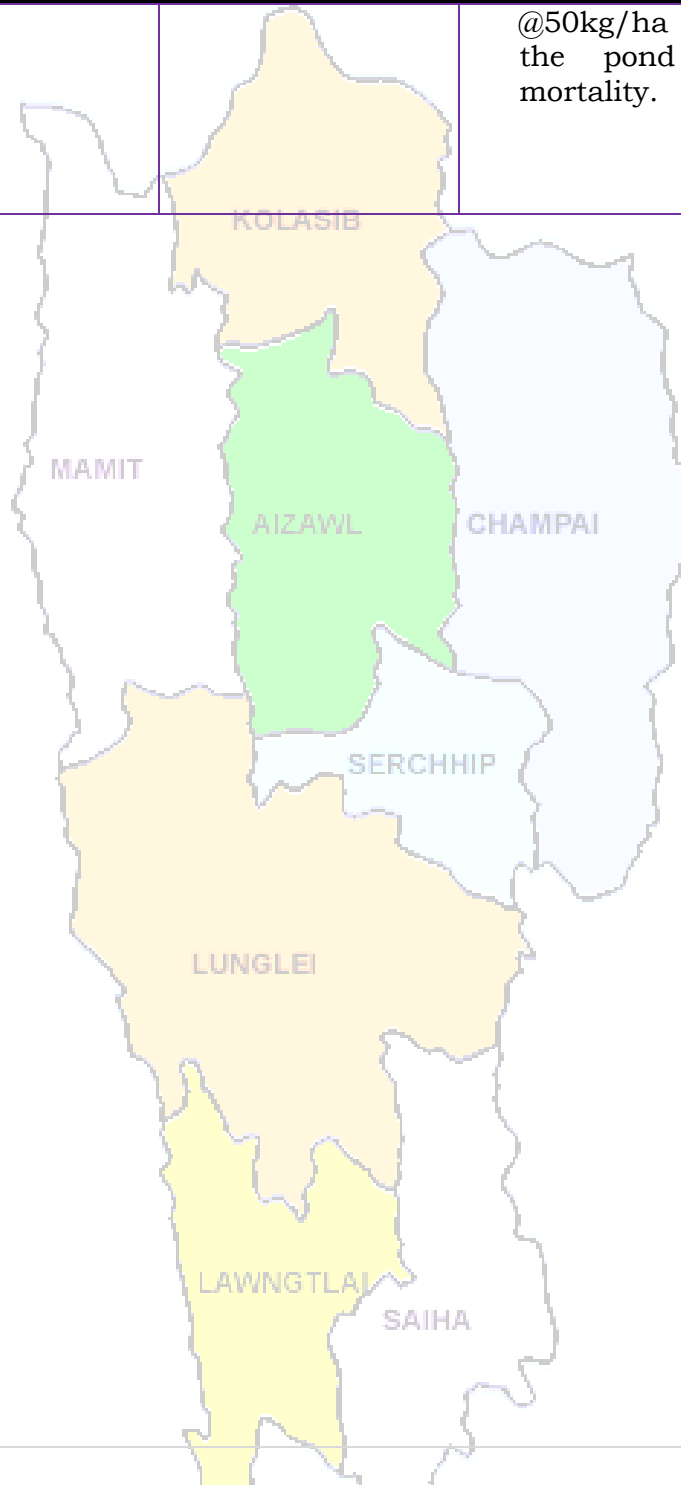
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			@50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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Expert committee members:

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Collaborating Department:

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District: Champhai

Period: 9thFebruary–13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

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

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

Weather summary of the past three days

Maximum Tem. (°C): 14-18°C
Minimum Tem. (°C): 04°-08°C
Maximum RH (%): 71-84%
Minimum RH (%): 33-38%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.28 km/hr

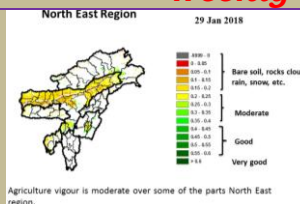
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019

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

Weekly cumulative rainfall: 5.0 mm

NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Rabi Maize	Vegetative stage	Seed production KOLASIB MAMIT AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> Thinning must be done where more population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage SERCHHI LUNGLEI	<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Fruits			
Citrus	Harvesting stage	Citrus Canker	<ul style="list-style-type: none"> 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.
		Fruit fly LAWNGTLAI SAIHA	<ul style="list-style-type: none"> 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day.



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Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB MAMIT AIZAWL	<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> ✚ Earthing up soil near base of the plant. ✚ Apply split dose of fertilizer. ✚ Don't irrigate any crop. ✚ Staking should be done. <p>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</p>
Potato	Vegetative stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI SAIHA	<ul style="list-style-type: none"> ✚ Provide preventive dose of anti-coccidial drugs to poultry. ✚ Proper ventilation of shed. ✚ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ✚ Avoid overcrowding. ✚ Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18



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			<p>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.</p>
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery			
	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate



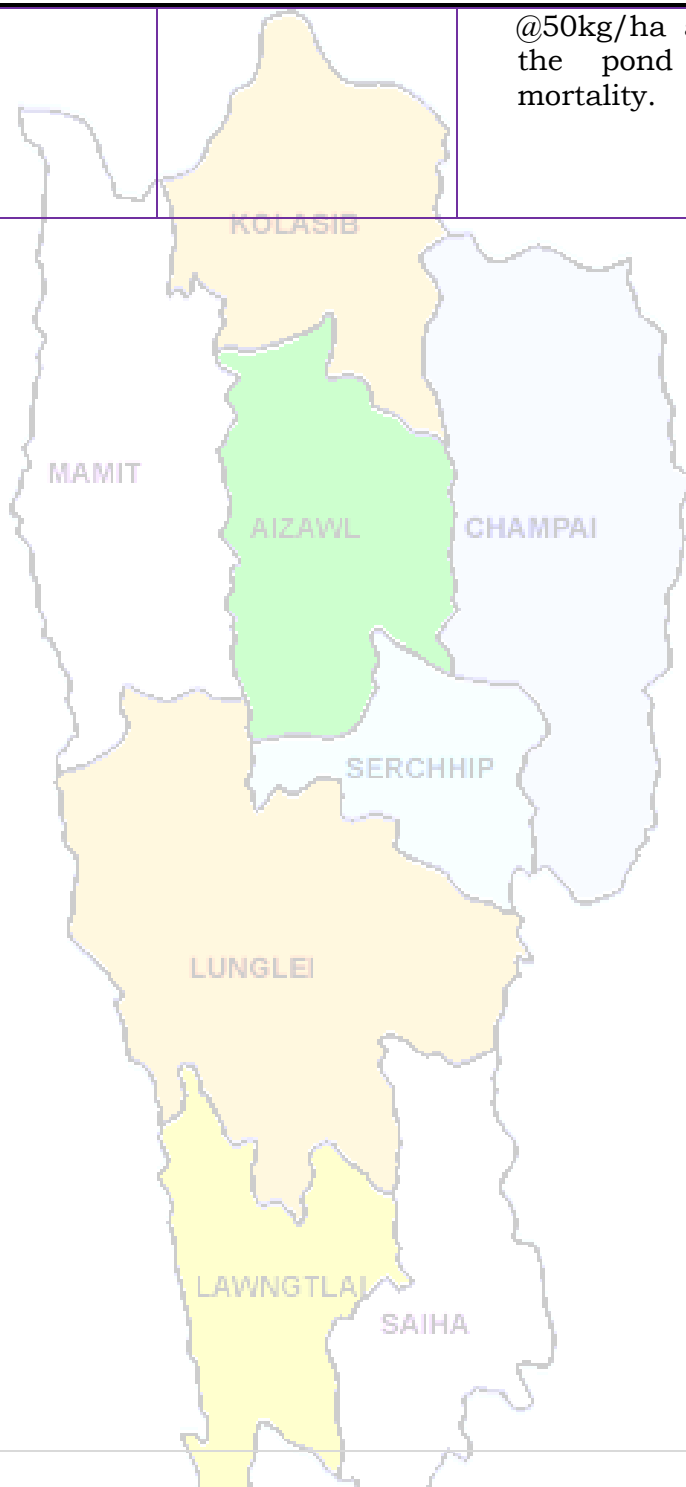
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			@50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
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Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
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KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
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District: Kolasib

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Bulletin No: - 852/2019/ Bulletin/English

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

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

Weather summary of the past three days

Maximum Tem. (°C):20-22°C
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Maximum RH (%):68-76%
Minimum RH (%):28-38%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.45 km/hr

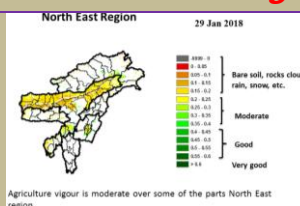
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019

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

Weekly cumulative rainfall: 8.0 mm

NDVI for Mizoram



Agriculture vigour is moderate over some of the parts North East region.

Dry condition occurs in all districts of Mizoram.



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Cereals			
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Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage SERCHHI LUNGLEI	<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
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		Fruit fly LAWNGTLAI SAIHA	<ul style="list-style-type: none"> 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day.



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Potato	Vegetative stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
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Livestock	Stage	Disease	Precautionary Practices to be followed
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			<p>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.</p>
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery			
	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate



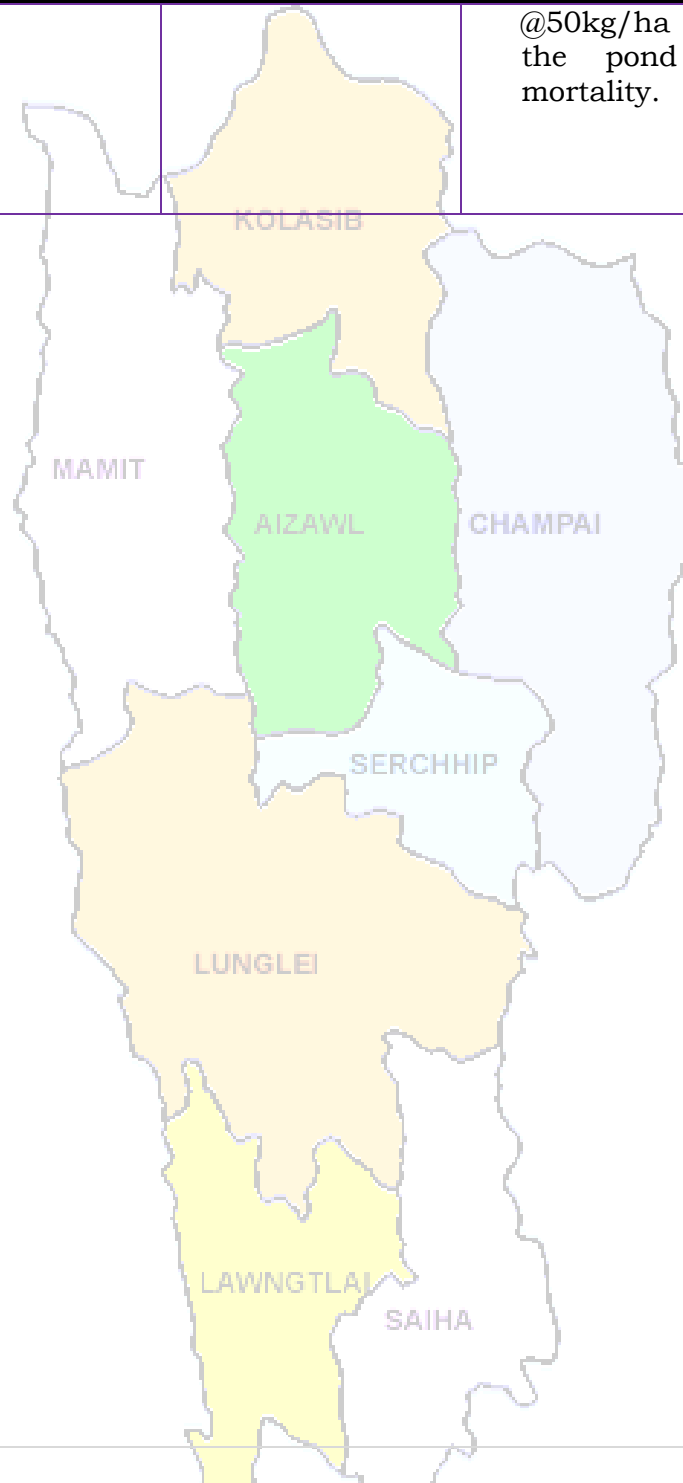
GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			@50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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Expert committee members:

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Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai

Period: 9thFebruary–13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	2	1	0	0	1
Max Temp (°C)	29	28	27	28	27
Min Temp (°C)	10	10	11	12	10
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	86	80	79	80	88
Min RH (%)	19	21	18	17	32
Wind Speed (Kmph)	3.8	3.9	3.8	4	4
*Wind Direction	E	E	E	E	E

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

Weather summary of the past three days

Maximum Tem. (°C):18-22°C
Minimum Tem. (°C):09^o-12°C
Maximum RH (%):64-78%
Minimum RH (%):28-39%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.49 km/hr

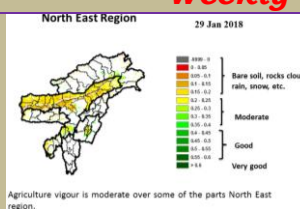
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019

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

Weekly cumulative rainfall: 4.0 mm

NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



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
Cereals			
Rabi Maize	Vegetative stage	Seed production KOLASIB MAMIT AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> Thinning must be done where more population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage SERCHHI LUNGLEI	<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Fruits			
Citrus	Harvesting stage	Citrus Canker	<ul style="list-style-type: none"> 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.
		Fruit fly LAWNGTLAI SAIHA	<ul style="list-style-type: none"> 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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			<ul style="list-style-type: none"> ✚ Possibility to occurrence of Powdery mildew will be high so apply any sulphur based fungicide to reduce disease incidence. ✚ Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB MAMIT AIZAWL	<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> ✚ Earthing up soil near base of the plant. ✚ Apply split dose of fertilizer. ✚ Don't irrigate any crop. ✚ Staking should be done. <p>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</p>
Potato	Vegetative stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI SAIHA	<ul style="list-style-type: none"> ✚ Provide preventive dose of anti-coccidial drugs to poultry. ✚ Proper ventilation of shed. ✚ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ✚ Avoid overcrowding. ✚ Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18



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Mizoram Centre, Kolasib- 796081, MIZORAM

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			<p>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.</p>
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery			
	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate



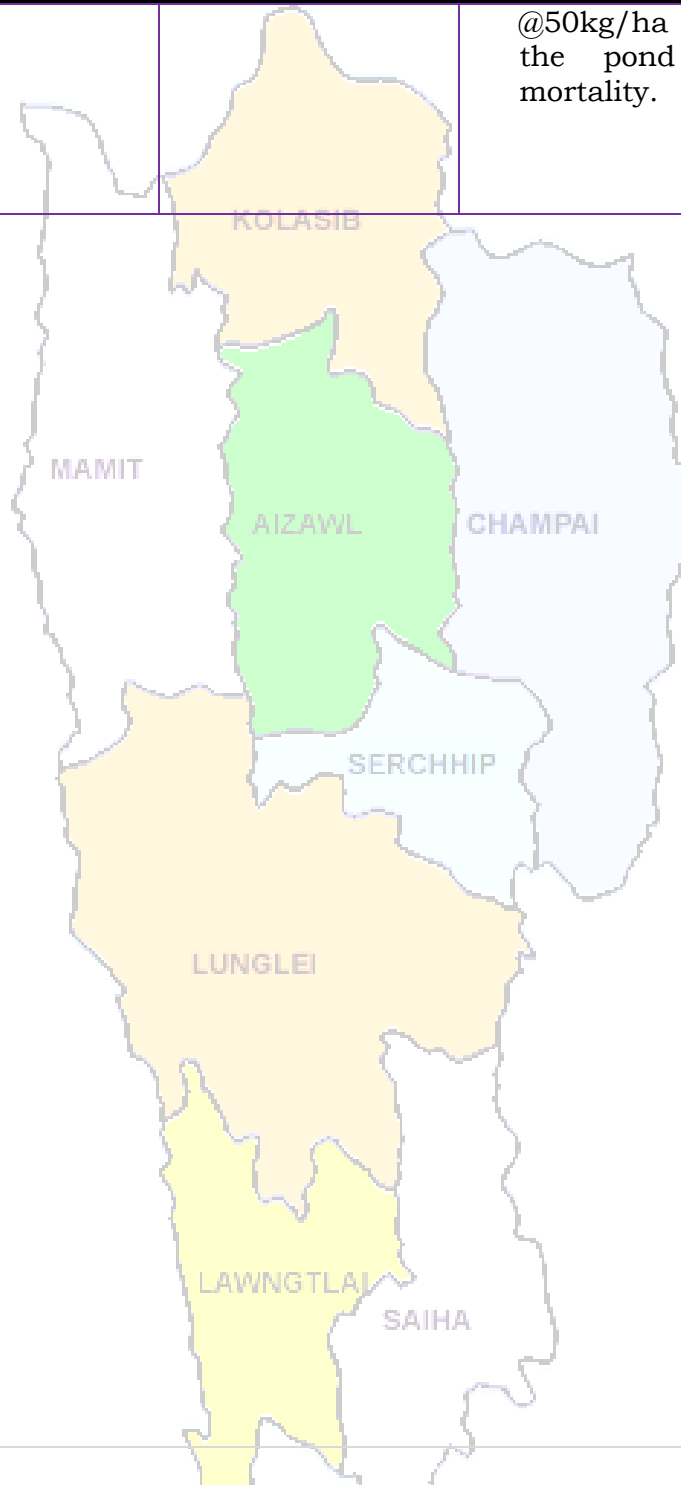
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Mizoram Centre, Kolasib- 796081, MIZORAM

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			@50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei

Period: 9thFebruary–13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

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

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

Weather summary of the past three days

Maximum Tem. (°C):14-18°C
Minimum Tem. (°C):05°-09°C
Maximum RH (%):64-77%
Minimum RH (%):29-41%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.14 km/hr

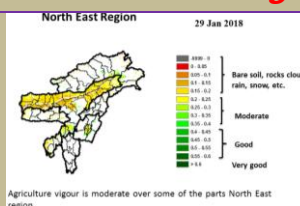
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019

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

Weekly cumulative rainfall: 3.0 mm

NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.



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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
Cereals			
Rabi Maize	Vegetative stage	Seed production KOLASIB MAMIT AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> Thinning must be done where more population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage SERCHHI LUNGLEI	<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Fruits			
Citrus	Harvesting stage	Citrus Canker	<ul style="list-style-type: none"> 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.
		Fruit fly LAWNGTLAI SAIHA	<ul style="list-style-type: none"> 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day.



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			<ul style="list-style-type: none"> ✚ Possibility to occurrence of Powdery mildew will be high so apply any sulphur based fungicide to reduce disease incidence. ✚ Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB MAMIT AIZAWL	<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> ✚ Earthing up soil near base of the plant. ✚ Apply split dose of fertilizer. ✚ Don't irrigate any crop. ✚ Staking should be done. <p>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</p>
Potato	Vegetative stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI SAIHA	<ul style="list-style-type: none"> ✚ Provide preventive dose of anti-coccidial drugs to poultry. ✚ Proper ventilation of shed. ✚ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ✚ Avoid overcrowding. ✚ Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18



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			<p>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.</p>
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery			
	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate



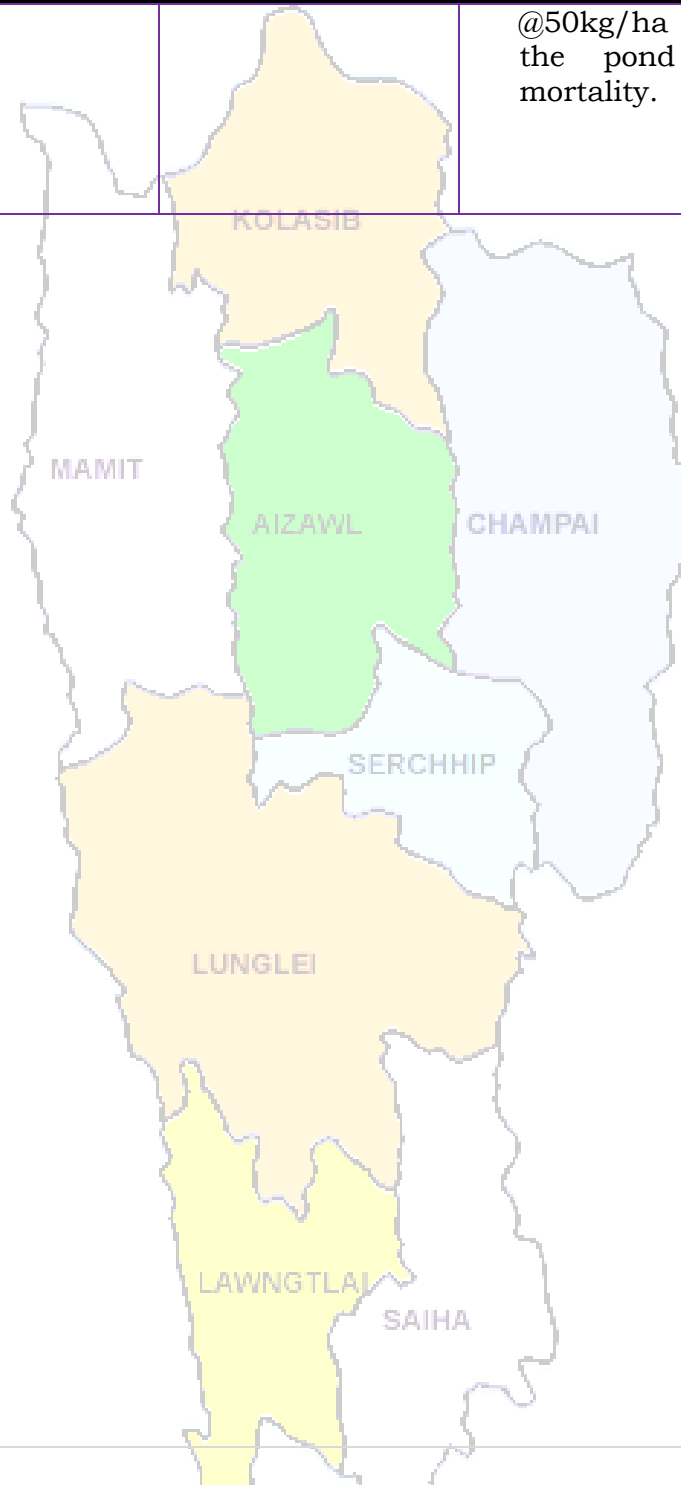
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Mizoram Centre, Kolasib- 796081, MIZORAM

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			@50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit

Period: 9thFebruary–13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

Parameters	09.02.2019	10.02.2019	11.02.2019	12.02.2019	13.02.2019
Rainfall (mm)	0	0	0	4	4
Max Temp (°C)	24	25	24	26	25
Min Temp (°C)	9	10	11	12	13
Cloud Coverage	Clear sky	Clear sky	Mainly clear	Partially clear	Partially clear
Max RH (%)	88	90	90	88	95
Min RH (%)	21	23	23	28	82
Wind Speed (Kmph)	3.3	3.4	3.5	3.8	3
*Wind Direction	S-E	S-E	S-E	E	S-E

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 (%):67-72%
Minimum RH (%):28-40%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.51 km/hr

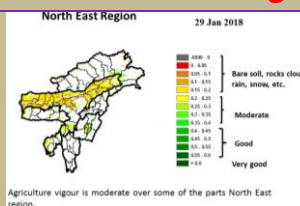
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 24-26°C and 9-13°C. Maximum relative humidity is expected in the range of 88-95% and minimum may from 21-82%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 3-3.8 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 8.0 mm

NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Rabi Maize	Vegetative stage	Seed production	<p>There is possibility of less rain in upcoming 5 days and temperature will be high.</p> <ul style="list-style-type: none"> ✚ Thinning must be done where more population was observed. ✚ Irrigation should be provide 3 days interval ✚ Apply 2% urea solution for better growth. ✚ Weeding and earthing up should be carried out. ✚ Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage	<ul style="list-style-type: none"> ✚ Possibility of rain will be very less. So provide water every alternate day. ✚ Weeding should be done. ✚ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. ✚ Apply 2% urea solution to avoid stress condition.
Fruits			
Citrus	Harvesting stage	Citrus Canker	<ul style="list-style-type: none"> ✚ 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.
		Fruit fly	<ul style="list-style-type: none"> ✚ 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> ✚ Possibility of rain will be very less. So provide water every alternate day. ✚ Possibility to occurrence of Powdery mildew will be high so apply any sulphur based fungicide to reduce disease incidence.



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)



			✚ Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB	<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> ✚ Earthing up soil near base of the plant. ✚ Apply split dose of fertilizer. ✚ Don't irrigate any crop. ✚ Staking should be done. <p>Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</p>
Potato	Vegetative stage	AIZAWL	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LUNGLEI	<ul style="list-style-type: none"> ✚ Provide preventive dose of anti-coccidial drugs to poultry. ✚ Proper ventilation of shed. ✚ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ✚ Avoid overcrowding. ✚ Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ 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-



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			2B strain.
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to 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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Collaborating Department:

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha

Period: 9thFebruary–13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

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

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

Weather summary of the past three days

Maximum Tem. (°C):13-16°C
Minimum Tem. (°C):04^o-08°C
Maximum RH (%):60-78%
Minimum RH (%):29-39%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.16 km/hr

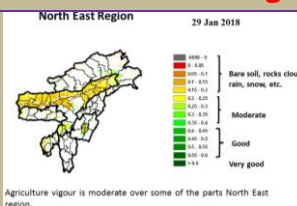
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 10-12°C. Maximum relative humidity is expected in the range of 87-90% and minimum may from 13-31%. Wind direction would be easterly with the wind speed of 4.2-4.5 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 2.0 mm

NDVI for Mizoram



Dry condition occurs in all districts of Mizoram.

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			



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)



Rabi Maize	Vegetative stage	Seed production	<p>There is possibility of less rain in upcoming 5 days and temperature will be high.</p> <ul style="list-style-type: none"> ✚ Thinning must be done where more population was observed. ✚ Irrigation should be provide 3 days interval ✚ Apply 2% urea solution for better growth. ✚ Weeding and earthing up should be carried out. ✚ Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage	<ul style="list-style-type: none"> ✚ Possibility of rain will be very less. So provide water every alternate day. ✚ Weeding should be done. ✚ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. ✚ Apply 2% urea solution to avoid stress condition.
Fruits			
Citrus	Harvesting stage	Citrus Canker	<ul style="list-style-type: none"> ✚ 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.
		Fruit fly	<ul style="list-style-type: none"> ✚ 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> ✚ Possibility of rain will be very less. So provide water every alternate day. ✚ Possibility to occurrence of Powdery mildew will be high so apply any sulphur based fungicide to reduce disease incidence.



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			✚ Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB	<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> ✚ Earthing up soil near base of the plant. ✚ Apply split dose of fertilizer. ✚ Don't irrigate any crop. ✚ Staking should be done. <p>Spray 2% any sulpher based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</p>
Potato	Vegetative stage	AIZAWL	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LUNGLEI	<ul style="list-style-type: none"> ✚ Provide preventive dose of anti-coccidial drugs to poultry. ✚ Proper ventilation of shed. ✚ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ✚ Avoid overcrowding. ✚ Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ 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-



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



			2B strain.
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to 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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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip

Period: 9thFebruary–13thFebruary, 2019

Bulletin No: - 852/2019/ Bulletin/English

Date of issue: 8thFebruary, 2019

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

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

Weather summary of the past three days

Maximum Tem. (°C):16-19°C
Minimum Tem. (°C):07°-09°C
Maximum RH (%):62-76%
Minimum RH (%):31-46%
Wind Direction: Southeasterly
Cloud cover: Clear sky
Wind speed: 2.15 km/hr

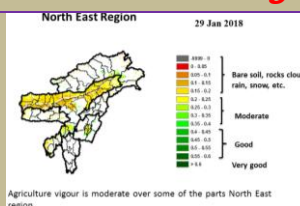
Rainfall: 0.0 mm

Weather forecast valid from 9thFebruary, 2019 To 13thFebruary, 2019

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26-28°C and 10-11°C. Maximum relative humidity is expected in the range of 80-89% and minimum may from 17-46%. Wind direction would be easterly with the wind speed of 3.6-4.8 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 1.0 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
Cereals			
Rabi Maize	Vegetative stage	Seed production KOLASIB MAMIT AIZAWL	There is possibility of less rain in upcoming 5 days and temperature will be high. <ul style="list-style-type: none"> Thinning must be done where more population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage greengram, blackgram, toria and pea	Vegetative stage	Zero tillage SERCHHI LUNGLEI	<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Fruits			
Citrus	Harvesting stage	Citrus Canker	<ul style="list-style-type: none"> 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.
		Fruit fly LAWNGTLAI SAIHA	<ul style="list-style-type: none"> 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.
Strawberry	Vegetative stage		<ul style="list-style-type: none"> Possibility of rain will be very less. So provide water every alternate day.



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			<ul style="list-style-type: none"> ✚ Possibility to occurrence of Powdery mildew will be high so apply any sulphur based fungicide to reduce disease incidence. ✚ Weeding should to do properly with proper fertilizer use.
Vegetable			
Tomato, crucifer, onion, brinjal and chill	Vegetative stage	KOLASIB MAMIT AIZAWL	<p>There is possibility of less rain in upcoming 5 days and temperature will be low.</p> <ul style="list-style-type: none"> ✚ Earthing up soil near base of the plant. ✚ Apply split dose of fertilizer. ✚ Don't irrigate any crop. ✚ Staking should be done. <p>Spray 2% any sulphur based fungicide to save vegetable plant to save from powdery mildew and white rust of mustard</p>
Potato	Vegetative stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. ✚ According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. ✚ Apply split dose of nitrogenous fertilizer.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	LAWNGTLAI SAIHA	<ul style="list-style-type: none"> ✚ Provide preventive dose of anti-coccidial drugs to poultry. ✚ Proper ventilation of shed. ✚ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ✚ Avoid overcrowding. ✚ Vaccination as per the schedule with proper consultation with vet. <ul style="list-style-type: none"> ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18



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			<p>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.</p>
Pig	All stages		<ul style="list-style-type: none"> Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
Fishery			
	Monitoring of fish in pond		<ul style="list-style-type: none"> 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate



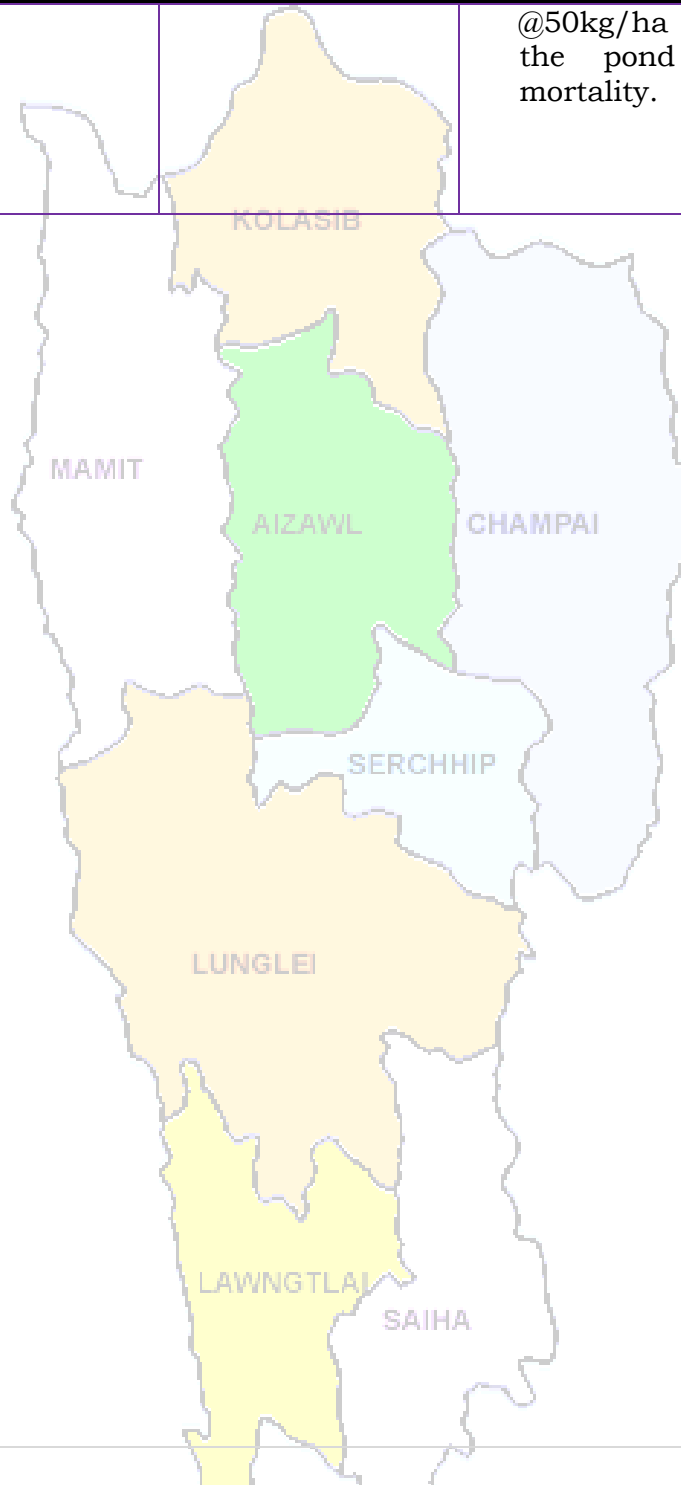
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			@50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.
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