



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: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	19	18	5	4	10
Max Temp (°C)	33	33	32	32	32
Min Temp (°C)	23	24	24	24	24
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Partially clear
Max RH (%)	93	95	97	99	97
Min RH (%)	32	44	52	64	64
Wind Speed (Kmph)	3	3	3	2	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
Lawngtlai-45.40 mm (101.58mm)	Lunglei-73.06 mm (117.69mm)	Mamit-346.74 mm (236.28mm)	Serchhip-76.5mm (110.96mm)

Weather summary of the past three days

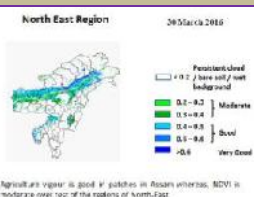
The temperature range for maximum and minimum were 27.1-31.5°C and 19.3-24.6°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 91-97% & minimum of 35-48%. Rainfall recorded for the past three days is **014.80mm.** (Source-mosdac.gov.in)

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 23-24°C. Maximum relative humidity is expected in the range of 93-99% and minimum may from 32-64%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 56.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

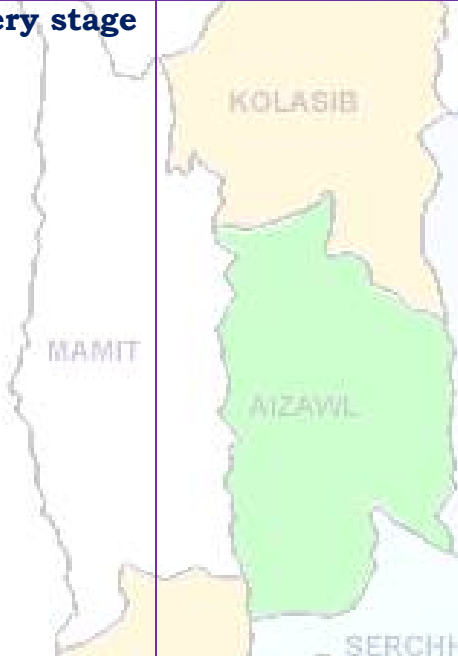




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Main Crop / Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	<ul style="list-style-type: none"> Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			<p>within rows in the pits.</p> <ul style="list-style-type: none"> Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	<ul style="list-style-type: none"> Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	<ul style="list-style-type: none"> Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer. Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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District: Champhai

Period: 18 May - 12 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	8	9	5	3	9
Max Temp (°C)	32	31	31	31	31
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	87	89	91	92	92
Min RH (%)	32	41	49	55	56
Wind Speed (Kmph)	4	2	2	3	4
*Wind Direction	S	S-E	S	S-E	S

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

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
Lawngtlai-45.40 mm (101.58mm)	Lunglei-73.06 mm (117.69mm)	Mamit-346.74 mm (236.28mm)	Serchhip-76.5mm (110.96mm)

Weather summary of the past three days

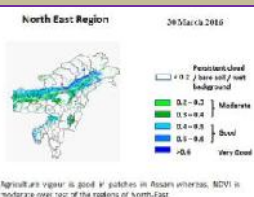
The temperature range for maximum and minimum were 28.3-33.4°C and 20.1-24.8°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 88-96% & minimum of 43-59%. Rainfall recorded for the past three days is **031.80mm.** (Source- mosdac.gov.in)

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 22-23°C. Maximum relative humidity is expected in the range of 87-92% and minimum may from 32-56%. Wind direction would be southeasterly to southerly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 34.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

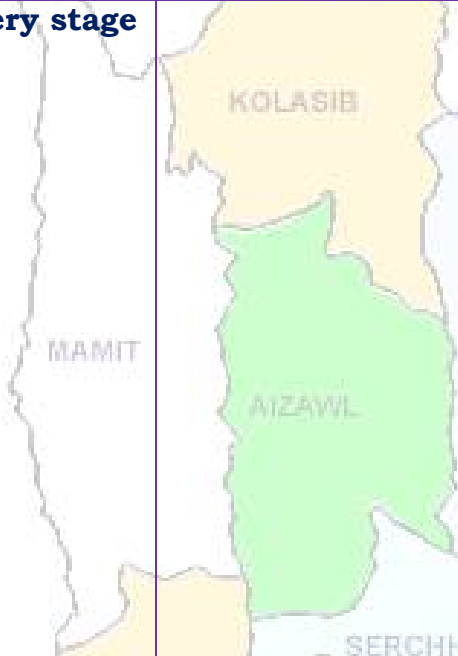




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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	MIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
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Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage		<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
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Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer. Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Expert committee members:

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District: Kolasib

Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	11	13	5	4	11
Max Temp (°C)	35	35	35	35	34
Min Temp (°C)	23	23	24	24	23
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	92	95	96	98	97
Min RH (%)	33	47	55	66	70
Wind Speed (Kmph)	3	3	3	2	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
Lawngtlai-45.40 mm (101.58mm)	Lunglei-73.06 mm (117.69mm)	Mamit-346.74 mm (236.28mm)	Serchhip-76.5mm (110.96mm)

Weather summary of the past three days

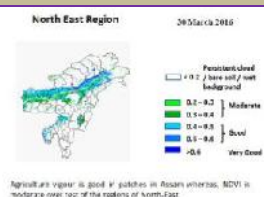
The temperature range for maximum and minimum were 27.8-30.8°C and 18.4-20.6°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 86-95% & minimum of 63-83%. Rainfall recorded for the past three days is **043.80mm.** (Source-mosdac.gov.in)

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 34-35°C and 23-24°C. Maximum relative humidity is expected in the range of 92-97% and minimum may from 33-70%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 42.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

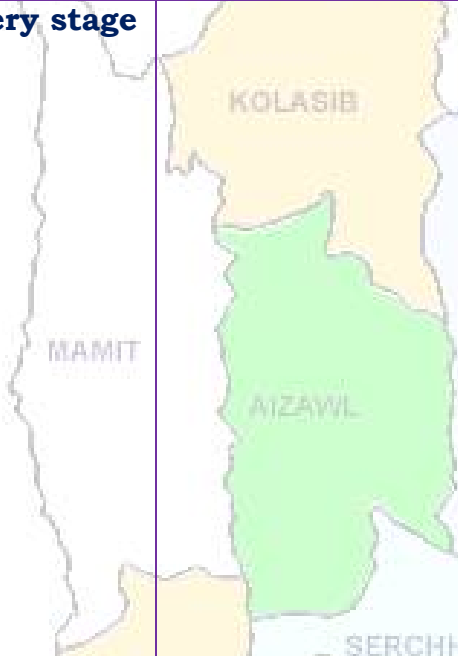




GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

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
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	<ul style="list-style-type: none"> Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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>within rows in the pits.</p> <ul style="list-style-type: none"> Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	<ul style="list-style-type: none"> Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	<ul style="list-style-type: none"> Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer. Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai

Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	7	5	5	5	5
Max Temp (°C)	35	35	34	34	34
Min Temp (°C)	23	23	23	24	24
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Partially clear	Mainly cloudy
Max RH (%)	83	91	93	95	87
Min RH (%)	30	33	36	40	43
Wind Speed (Kmph)	4	3	4	6	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.

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
Lawngtlai-45.40 mm (101.58mm)	Lunglei-73.06 mm (117.69mm)	Mamit-346.74 mm (236.28mm)	Serchhip-76.5mm (110.96mm)

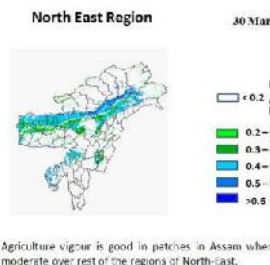
Weather summary of the past three days

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 34-35°C and 23-24°C. Maximum relative humidity is expected in the range of 83-95% and minimum may from 30-43%. Wind direction would be easterly with the wind speed of 3-6 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 27.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

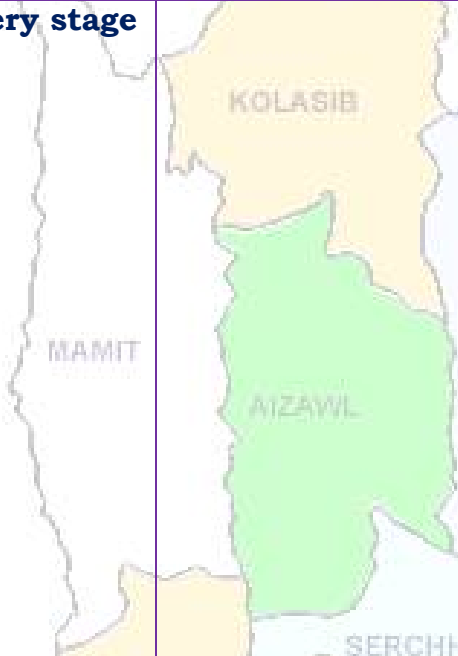




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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Main Crop / Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	<ul style="list-style-type: none"> Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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



			<p>within rows in the pits.</p> <ul style="list-style-type: none"> Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	<ul style="list-style-type: none"> Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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



		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	<ul style="list-style-type: none"> Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Pig	All stages	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	<ul style="list-style-type: none"> FMD vaccine at 16 week and



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)



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,
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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: Lunglei

Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	13	5	2	10	6
Max Temp (°C)	34	34	34	34	33
Min Temp (°C)	22	23	23	22	22
Cloud Coverage	Mainly clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	90	92	96	98	96
Min RH (%)	30	33	38	47	47
Wind Speed (Kmph)	4	2	4	5	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.**

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
Lawngtlai-45.40 mm (101.58mm)	Lunglei-73.06 mm (117.69mm)	Mamit-346.74 mm (236.28mm)	Serchhip-76.5mm (110.96mm)

Weather summary of the past three days

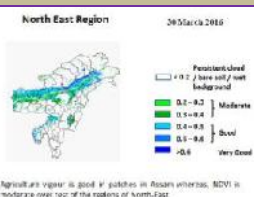
The temperature range for maximum and minimum were 29.3-32.4°C and 21.2-24.5°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 90-98% & minimum of 48-78%. Rainfall recorded for the past three days is **024.30mm.** (Source-NICRA, AWS Network)

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 33-34°C and 22-23°C. Maximum relative humidity is expected in the range of 90-98% and minimum may from 30-47%. Wind direction would be easterly with the wind speed of 2-5 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 36.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

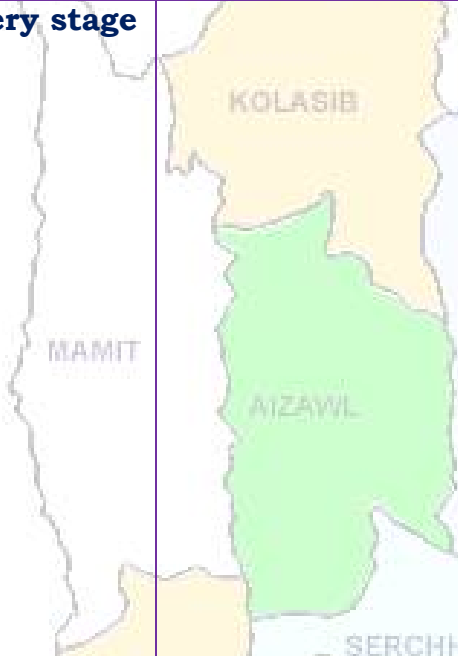




GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

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
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	<ul style="list-style-type: none"> Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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>within rows in the pits.</p> <ul style="list-style-type: none"> Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	<ul style="list-style-type: none"> Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	<ul style="list-style-type: none"> Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer. Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,
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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: Mamit

Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	19	18	5	5	5
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	21	21	21	22	22
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	93	95	96	98	97
Min RH (%)	32	41	46	60	62
Wind Speed (Kmph)	3	3	4	3	6
*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.

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
Lawngtlai-45.40 mm (101.58mm)	Lunglei-73.06 mm (117.69mm)	Mamit-346.74 mm (236.28mm)	Serchhip-76.5mm (110.96mm)

Weather summary of the past three days

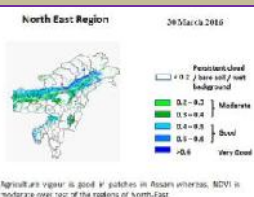
The temperature range for maximum and minimum were 29.1-35.4°C and 22.1-27.3°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 90-98% & minimum of 49-70%. Rainfall recorded for the past three days is **024.20mm.** (Source- mosdac.gov.in)

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 21-22°C. Maximum relative humidity is expected in the range of 93-98% and minimum may from 32-62%. Wind direction would be southeasterly with the wind speed of 3-6 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 52.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

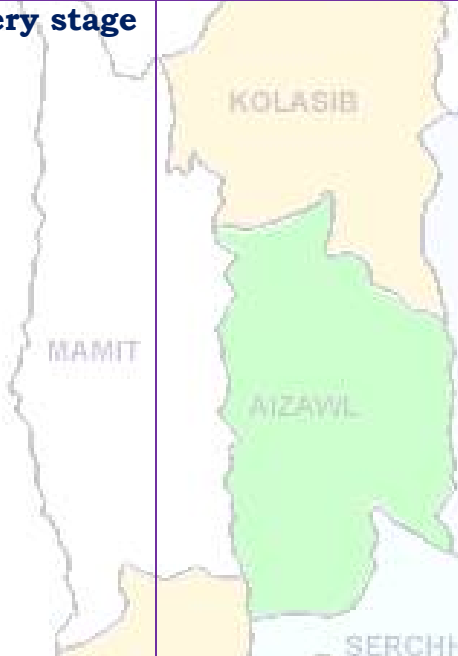




GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

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
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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Mizoram Centre, Kolasib- 796081, MIZORAM

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		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	<ul style="list-style-type: none"> Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			<p>within rows in the pits.</p> <ul style="list-style-type: none"> Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	<ul style="list-style-type: none"> Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	<ul style="list-style-type: none"> Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer. Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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(Prepared based on District wise Weather Forecast received from IMD,
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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: Saiha

Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	0	5	5	2	5
Max Temp (°C)	35	35	35	34	33
Min Temp (°C)	21	22	22	22	21
Cloud Coverage	Mainly clear	Partially clear	Mainly clear	Partially clear	Mainly cloudy
Max RH (%)	80	91	94	96	85
Min RH (%)	28	31	33	37	40
Wind Speed (Kmph)	3	2	2	4	4
*Wind Direction	E	E	E	S	S

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

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
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Weather summary of the past three days

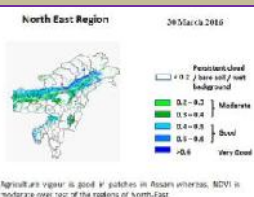
The temperature range for maximum and minimum were 26.8-30.3°C and 16.8-20.3°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 90-98% & minimum of 50-65%. Rainfall recorded for the past three days is **018.30mm.** (Source- mosdac.gov.in)

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 33-35°C and 21-22°C. Maximum relative humidity is expected in the range of 80-96% and minimum may from 28-40%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 17.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

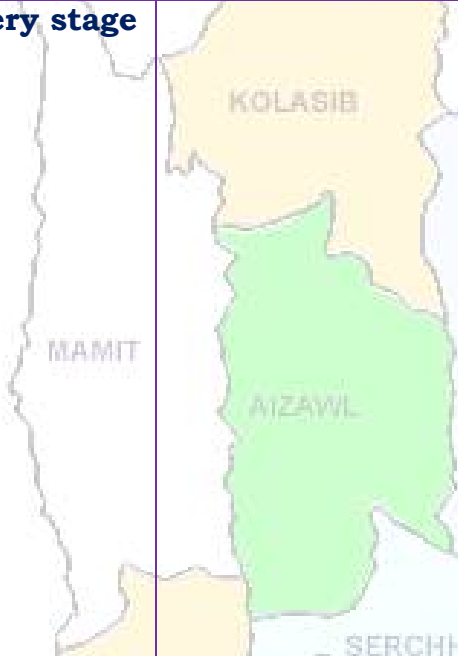




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Main Crop / Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	<ul style="list-style-type: none"> Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			<p>within rows in the pits.</p> <ul style="list-style-type: none"> Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	<ul style="list-style-type: none"> Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	<ul style="list-style-type: none"> Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Pig	All stages	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	<ul style="list-style-type: none"> FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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District: Serchhip

Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

Date of issue: 17th May, 2016

Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	4	5	5	5	7
Max Temp (°C)	31	31	32	32	32
Min Temp (°C)	18	19	17	17	18
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly cloudy
Max RH (%)	91	92	97	99	99
Min RH (%)	31	36	42	49	50
Wind Speed (Kmph)	4	2	2	2	3
*Wind Direction	E	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.

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 245.10 mm (185.67mm)	Champhai- 103.20mm (119.49mm)	Saiha- 33.0 mm (109.81mm)	Kolasib- 293.90 mm (213.61mm)
Lawngtlai-45.40 mm (101.58mm)	Lunglei-73.06 mm (117.69mm)	Mamit-346.74 mm (236.28mm)	Serchhip-76.5mm (110.96mm)

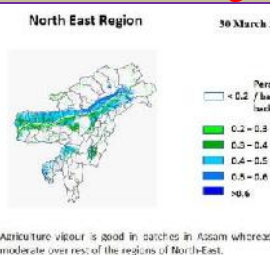
Weather summary of the past three days

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 17-19°C. Maximum relative humidity is expected in the range of 91-99% and minimum may from 31-50%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 26.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

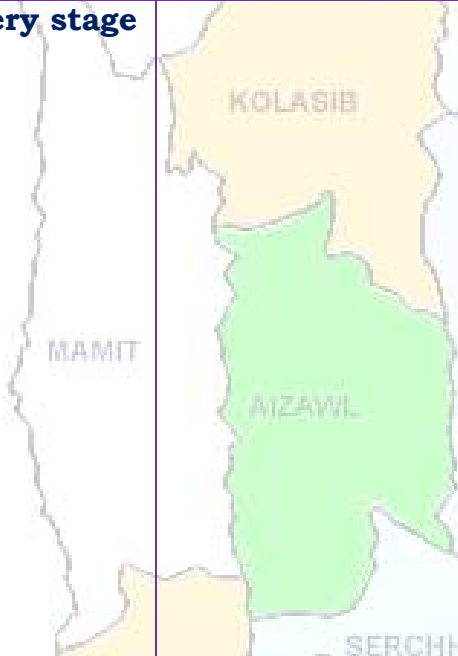




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Main Crop / Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		<ul style="list-style-type: none"> ✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		<ul style="list-style-type: none"> ✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	<ul style="list-style-type: none"> Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	<ul style="list-style-type: none"> Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	<ul style="list-style-type: none"> Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			<p>within rows in the pits.</p> <ul style="list-style-type: none"> Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	<ul style="list-style-type: none"> Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	<p>Weeding and light irrigation in nursery bed.</p> <p>Provide irrigation in transplanted okra field.</p>	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	<ul style="list-style-type: none"> Plough the field with the help of spade. Sow 2 seed 15 X 20 cm spacing. Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	<ul style="list-style-type: none"> Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	<p>Pre Kharif Rice</p>	<ul style="list-style-type: none"> Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	<ul style="list-style-type: none"> Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	<ul style="list-style-type: none"> Remove all unwanted leaves, branches and weed near to the plant. Earthing up the soil for better aeration. Apply split dose of nitrogen fertilizer. Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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