

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: 17 February - 21 February, 2018

Date of issue: 16th February, 2018 Bulletin No: - 771/2018/ Bulletin/English

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|---------------|-----------------|------------|--------------|--------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Mainly clear | Mainly clear |
| Max RH (%) | 96 | 96 | 94 | 100 | 99 |
| Min RH (%) | 22 | 26 | 23 | 20 | 19 |
| Wind Speed (KmpH) | 3 | 3 | 3 | 2 | 3 |
| *Wind Direction | S-E | S-E | E | S-E | E |

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 0.00mm Aizawl- 0.00mm

Saiha- 0.00 mm (08.44mm) Kolasib- 0.00mm (09.40mm)

(08.44mm)

(10.31mm)Lawngtlai-0.00mm

(09.28mm)Lunglei-0.00mm

(09.60mm)

Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)Weather summary of the past three days

(08.86mm)Weather forecast valid from 17thFebruary, 2018 To 21stFebruary, 2018.

Maximum Tem. (°C):24-27°C Minimum Tem. (°C):14-15°C Maximum RH (%):73-78% Minimum RH (%):45-59% Wind Direction: Southeasterly

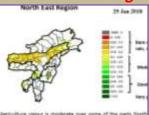
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28°C and 12-14°C. Maximum relative humidity is expected in the range of 94-100% and minimum may from 19-26%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|----------|--|--|
| Animal | | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Flushing | 5 | ♣ According to forecast and past weather |
| MANDARIN | stage | KOLASIB | record, there is no probability of |
| AND ACID | (| | rainfall. So weekly irrigation is required |
| LIME |) | W. | for upcoming week or use straw mulch |
| STAR FRUIT | - 5 | 2 1 | reduces soil water loss. |
| SIAK FRUII | 5 | San Land | ♣ Pruning should involve removing unhealthy, unwanted and poorly |
| | 1 | | positioned branches but minimise the |
| PLUM AND | 2 | | loss of healthy foliage. |
| PEACH | / MAMIT | | The best time to prune is soon after |
| 1 211011 | 9 | LAIZAWL) | harvest in winter to early spring before |
| | 1 | Annual Control | bud break. For late varieties where two |
| |) i | 1 | crops may hang on the tree at once |
| | 1 | 3 6 6 | some of the new crop may be lost. |
| | 1 | | Use Bordeaux paste or insecticide paste |
| | 1 | | mixture to reduce the damage of white |
| | 11 | The same of the sa | ant upto 4 feet height. |
| | | SERCHN | Apply Bordeaux mixture to the plant after pruning. |
| | l l | | → Application of split dose of fertilizer 600: |
| | | 4 | 200:100 (g/pt). |
| | | Gummosis, | Due to low temperature and humidity |
| | | citrus canker, | disease appearance will more. Use Bordeaux |
| | | citrus greening | past in tree trunk, twigs and branches |
| | 1 | and Dieback | protect healthy plant from soil borne |
| PLANTATION CR | OP | Co. | disease. |
| COFFEE | Blooming | | ♣ If day temperature and prolong dry |
| COFFEE | stage | Car San V | spell occur it lead to Floral |
| | Stage | 3 1 5 5 1 | abnormalities like "Star Flower" in |
| | 1 | 1 55 7 | Arabica and "Pink Flower" in Robusta. |
| | | | ♣ Irrigation of plants at alternate day's |
| | | LAWNGTLAL | interval, 6 weeks before harvesting |
| | | SAIHA | improves fruit retention and fruit |
| | | 1 | development, and reduces fruit |
| | | | cracking and improves the fruit quality. |
| | | N N | ♣ Mulching should be done with dry |
| | | 1 1 14 1 | 2 P a g e |

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| | | | grasses near the tree base to conserve |
|---------------|-----------------------|-----------------|---|
| | | | soil moisture during winter. |
| | | | ♣ The young fruit plant must be irrigated |
| | | / | at weekly interval for better |
| | 3 1 | 2 | establishment. |
| | 1 | 7 | ♣ Foliar application of Mepiquat chloride |
| | | KOLASIB | @ 1000 PPM concentration or 0.75% |
| | 4 | F. | SSP @ 1.5 g per 200 lt of water 15 days |
| | 1 | W) | interval. |
| Rubber | Vegetative | | ♣ According to forecast and past weather |
| | stage | 5 | record, there is no probability of |
| | | | rainfall. So weekly irrigation is required |
| | 12 | 1 | for upcoming week or use straw mulch |
| | MAMIT | 3 | reduces soil water loss. |
| | 5 | Z AIZAWL I | Farmers can go for tapping upto last |
| | 1 | 3 | week of January. |
| |) |) | ♣ Make fire line around the field to save |
| | 1 | 3 6 7 | from fire. |
| | 1 | | ♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) |
| | 1 6 | | between 4 plants. Store dried leaves in |
| |) | | the pit and after 4 months it can use as |
| | _ | SERCHH | manure. |
| Strawberry | Fruit | V~ | ♣ Possibility of rain will be very less. So |
| | formation to | | provide water every alternate day. |
| | harvesting harvesting | | ♣ Harvest all mature fruits or partially |
| | stage | | matured fruit |
| | | Mildered | Periodical harvest must be done once in a week |
| CEREALS AND I | PULSE CROPS | LUNGLEI | a week |
| Rabi Maize | Harvesting | with the second | ♣ Possibility of rain will be very less. |
| | stage | m Em | ♣ Harvest all the mature cobs. |
| | 5.0050 | | ♣ Keep harvested cobs in sundry for 8 to |
| | | Va Sail | 10 days to keep the moisture level |
| | | | below 10%. |
| | 1 |) 55 Y | ♣ 25% seed will keep as seed for next |
| | | | year. |
| | | LAWNGTLAL | ♣ Parrot attacking trap should be made |
| | | SAIHA | around field to escape crop from |
| | | SAINA | damage. |
| Zero tillage | Pod | Zero tillage | ♣ Possibility of rain will be very less. So |
| Greengram | formation | 1 2 1 | provide water every alternate day. |
| | | F 1 | 210 |
| | | 4 | 3 P a g e |

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| and | stage | | ♣ Collection and destruction of damage |
|------------------------|------------|--|--|
| blackgram | | | plant or plant part and spraying of any |
| | | 1 | systemic insecticide @ 2ml/lit should |
| | 1 | 1 | be done. |
| | 1 1 | 5 | ♣ Apply 2% urea solution to avoid stress condition. |
| | | KOLASIB | Provide irrigation once in a week. |
| Zoro tillago | Pod | The second secon | Possibility of rain will be very less. So |
| Zero tillage | formation | Zero tillage | provide water every alternate day. |
| Soybean cultivation in | | 2 1 | Collection and destruction of damage |
| | stage | | plant or plant part and spraying of any |
| Jhum | 1 | | systemic insecticide @ 2ml/lit should |
| | | | be done. |
| | MAMIT | | ♣ Apply 2% urea solution to avoid stress |
| | Z | 1 | condition. |
| | 5 | (AIZAWIL.) | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | ♣ Possibility of rain will be very less. So |
| Toria | formation | Secretary) | provide water every alternate day. |
| | stage | 1 50 | ♣ Apply split dose of fertilizer for better |
| | | | growth. |
| | 1 | | ♣ Collection and destruction of Blister |
| | | SERCHN | beetles and spraying of Neem oil |
| | | ~ | @3ml/lit should be done. |
| | 1 | | ♣ Apply split dose of fertilizer for better |
| | | - | growth. |
| VEGETABLE CRO | ND. | | ■ Provide irrigation once in a week. |
| | Harvesting | A CONTRACTOR | ♣ Turmeric and ginger is harvested when |
| Ginger and turmeric | | LUNGLEI | leaves start yellowing and ultimately |
| turmeric | stage | | the stem dries down. |
| | 1 | in Em | The plants are-cut close to the ground. |
| | | 11 | ♣ The crop is irrigated lightly for easy |
| | | P Var and V | digging. |
| | | | ♣ Harvesting consists of digging of |
| | | 1 55 7 | underground clumps of rhizomes |
| | | 1 | with pick axe or digging fork. |
| | | LAWNGTLAN | Fingers are separated from mother |
| | | SAIHA | rhizomes. |
| | | (SAITH | ♣ Wash clumps of rhizomes with water |
| | | | and keep it for sundry. |
| | | | ♣ Seed stock will be store from partially |
| | | (2) | |

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| | | | dry sample. Lut the rhizome to small pieces for |
|-------------|----------------|---------------------------|---|
| | | | proper drying. |
| Early cole | Harvesting | / | ♣ According to forecast and past weather |
| crop | stage | 2 | record, there is no probability of |
| • | | V comment | rainfall. So weekly twice irrigation is |
| | 1 | KOLASIB | required for upcoming week or use |
| | 1 | LA | straw mulch reduces soil water loss. |
| | / | 7 4 7 | Harvest all mature cards. |
| | 7 | | ♣ Don't spray any kind of pesticide to the |
| | - 1 | 2 6 | crop which creates more health hazard. |
| Onion | Bulb | Poly house | ♣ Provide irrigation every alternate day |
| | formation | | due to non availability of rain. |
| | stage | 1 | Intercultural operations should be |
| | 1 | L AIZAWL / | done regularly to keep the crop free |
| | | | from weeds and better growth of bulb. Remaining quantity of nitrogen is |
| | 1 | 3 | applied 30-40 days after transplanting. |
| | 4 | 1 66 | Provide irrigation if water is require. |
| | 1 0 | 1 3 4 | Low temperature and high humidity |
| | 1 | | influence the population of onion trips. |
| | | SERCHN | Apply any systemic insecticide 1.5 |
| | | SERONN | ml/lt of water. |
| French bean | Flowering to | | ♣ Possibility of rain will be less coming |
| | fruiting stage | | five days. So alternate irrigation should |
| | 100 | | be done 5 days interval. |
| | 3.6 | AND CONTROL OF THE PARTY. | Remaining quantity of nitrogen is |
| | | LUNGLEI | applied 30-40 days after sowing. |
| | | | Low temperature and high humidity |
| | | 500 | influence the activity of stem rot. Apply Hexaconazole 1.5 ml/lt of water for |
| | | 17 | better growth and development |
| Capsicum | Vegetative | Poly house | ♣ Intercultural operations should be done |
| Jupotoum | stage | 1019 110000 | regularly to keep the crop free from |
| | Jugo |) 55 Y | weeds and aeration of the root system. |
| | | V V | Remaining quantity of nitrogen is |
| | | LAWNGTLAN | applied 30-40 days after transplanting. |
| | | SAIHA | Provide irrigation if water is require. |
| | | (() | Apply any systemic insecticide to |
| | | | reduce damage of chilli thrips. |
| Brinjal | Fruiting to | 200 | According to forecast and past weather |

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| | flowering | | record, there is no probability of |
|--------|---------------|--|--|
| | stage | | rainfall. So weekly twice irrigation is |
| | (III | | required for upcoming week or use |
| | () | 6 | straw mulch reduces soil water loss. |
| |) \ | -1 | ↓ Interculture operation should be done |
| | 1 | Very sem | near to the base of the plant. |
| | 1 | KOLASIB | 4 Apply split dose of nitrogenous |
| | 1 | 60 | fertilizer to the plant. |
| | / | 7 4 7 | ♣ Fruit and shoot borer attack will mare |
| | 7 | | in dry weather. Apply any systematic |
| | 1 | 2 | insecticide for better cure. |
| | 1 | | Harvest all mature fruit. |
| | Same | | Seed must be keep for next rabi |
| 01.111 | / MAMIT | | season. |
| Chilli | Vegetative to | LAIZAWL / | + According to forecast and past weather |
| | flowering | 2 | record, there is no probability of rainfall. So weekly twice irrigation is |
| | stage | - 2 | required for upcoming week or use |
| | 40 | 3 6 6 | straw mulch reduces soil water loss. |
| | | | Interculture operation should be done |
| | 1 | | near to the base of the plant. |
| | 7. | | Apply split does of nitrogramsus |
| | | SERCHN | fertilizer to the plant. |
| | 1 | V | Mature fruit should be harvested and |
| Tomato | Flowering to | | ♣ According to forecast and past weather |
| | harvesting | | record, there is no probability of |
| | stage | | rainfall. So weekly twice irrigation is |
| | Stuge | LUNGLEI | required for upcoming week or use |
| | 3 | 227 A 22 | straw mulch reduces soil water loss. |
| | 100 | 27%c | 👍 If irrigation is not available keep grass |
| | 5 | 17 | and dry leaves as mulch. |
| | | | Harvest all the mature which colour |
| | Į. | (19 20) | change to pale yellow to red. |
| | | | Seed must be keep from self pollinated |
| | |) 54 7 | variety. |
| | | Fruit fly | In large gardens apply carbaryl 0.2 per cent |
| | | LAWNGTLAU | or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at |
| | | SAIHA | fortnightly intervals at flowering and fruit |
| | | | initiation. |
| Potato | Harvesting | | If the leaves and plant became dry it |
| | | 2 5 | means plant ready for harvesting. |
| | | | |

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| | CTOCA | | | ()mon the transcript courte the less included |
|---------------|---------------|--|-------|--|
| | stage | | 1 | Open the furrow with the help of spade, harvest all mature tubers. |
| | | | 1 | Discard all mother tubers from |
| | | | | harvested potato tubers. |
| | 1. 1 | F 3 | 1 | Keep 7 -10 days for drying or reduce |
| | 1 1 | 7 | | the moisture level in shed dry. |
| | | KOLASIB | 1 | - |
| ANIMAL HUSBEN | DADV | A STATE OF THE STA | - | Keep 25% seed for next season sowing. |
| Pig | | WY 3 | 4 | Animals must keep in dry place or |
| Fig | All stages | 1 1 | _ | kept in alleviated area and dry bedding |
| | 3 | Control of the second | | (straw) to be provided to young |
| | 1 | | | animals. |
| | | | 4 | 1 st injection at 6 months of age and |
| | MAMIT | | | 2nd injection at 12 months of age |
| | 2 10000000 | A CONTRACTOR OF THE PARTY OF TH | 55007 | followed by annual vaccination under |
| | 1 | Z ATZAWIL | CHAI | vet supervision against FMD. |
| | - | 1 | | Reduce concentrate diet up to 5%. |
| | (| (| | Provide adequate potable water. |
| | 1 | 2 1 | | In present weather conditions |
| | 1 | 1 3 4 | - | vaccinate against swine fever (Vaccines |
| | 100 | | -2 | available in State Veterinary Departs) |
| | | Porcine | 15.1/ | Culling of positive pigs or piglets. |
| | | Reproductive | (| |
| | <u> </u> | Respiratory | - 3 | 3 |
| | | Syndrome (PRRS). | - 11 | i 1 |
| Cattle | All age group | | # I | In present weather conditions, special |
| | 110 | | | care should be taken against attack of |
| | | LUNGLEI | | maggots in the wounds of animals. |
| | 3 | | | Application of turpentine oil in the |
| | | 55 | | wounds followed by application of |
| | . 7 | 11 | | antibiotics for five days is advised. |
| |) | | | Provide UMB/Molases if possible in the |
| | (4 | 1 78 19 | | feed |
| | No. | | | Provide 10-30 ml of vitamin B-Complex |
| | | 30 | | in feed |
| | | | | 1st injection at 6-8 weeks of age, 2nd |
| | | LAWNGTLAL | | injection after 6 months of 1st injection |
| | | # SAIHA | | followed by annual vaccination under |
| | | 1 | | vet supervision. |
| | | | -1/ | Separate sick animals. The animal should be washed with |
| | | 200 | + | The allilial should be washed with |
| | | 1/1/ | | 7 Page |

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| | 5 | | lukewarm water added with little potash (KMnO4) or neem leaves. ♣ Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|----------------|---|
| Poultry | All age group | AIZAWA. SERCHH | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | | | 3 |
| | Monitoring of fish in pond | LAWNGTLALSAIHA | 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. |

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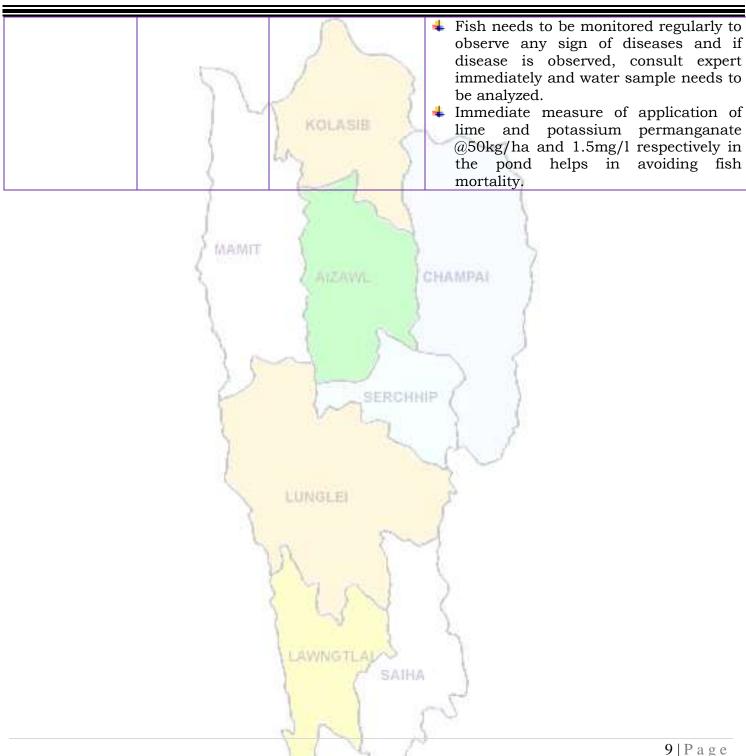


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SAIHA

LAWNGTLAL

CHAMPAI

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Bulletin No: - 771/2018/ Bulletin/Mizo

| | 1.0 | P | 4 | | |
|-------------------|---------------|-----------------|------------|--------------|--------------|
| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Mainly clear | Mainly clear |
| Max RH (%) | 96 | 96 | 94 | 100 | 99 |
| Min RH (%) | 22 | 26 | 23 | 20 | 19 |
| Wind Speed (KmpH) | 3 | 3 | 3 | 2 | 3 |
| *Wind Direction | S-E | S-E | E | S-E | E |

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Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm) Mamit-0.00mm (09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

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Weather summary of the past three days

Maximum Tem. (°C):24-27°C Minimum Tem. (°C):14-15°C Maximum RH (%):73-78% Minimum RH (%):45-59%

Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

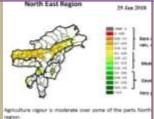
17th February – 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 16th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 94-100% leh a hniam lai berin 19-26% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

0 = 0 0

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|----------------------------|---|--|
| /Fisheries | | Diseases | |
| FRUITS CROPS | | - C | ♣ Thlasik laia thlai bul khoro lutuk tur |
| KHASI MANDARIN AND ACID LIME | A kui atanga a seng hun | KOLASIB | vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. |
| BANANA STAR FRUIT |] | 374 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha |
| PLUM AND | MAMIT | AIZAWL | taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani. |
| PEACH | \ | 5 | non tar man t a verig ther am. |
| | 35 | Gummosis, citrus canker, citrus greening and Dieback | ♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | 5 | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | OP | | |
| COFFEE | All stages | LAWNGTLANSAIHA | Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. |

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| | | | Harvesting Stage |
|----------------|------------|--|---|
| | | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | | | thin a ni. |
| | | / | ♣ A rah hmin tha lo ho chu nuai sawm |
| | 3 1 | 1 | hmain an thliar hrang leh vek thin ani. |
| | The last | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| | | borer | ani. |
| | (| f., (| |
| |) | Wy) | ♣ Sneg hmaih te lakkhawma paih vek tur |
| | 8 | | ani. |
| | 3 | The same of the sa | ♣ Seng bang zawng zawng chu uluka taka |
| | 1 | | paih fai vek tur ani. |
| | 5-7 | 7/ | 4 A thlai vennan a rah tlai ho chu paih vek |
| | MAMIT | | tur ani. |
| | 7 1000000 | 1 | Hmun dam lutukah dah loh tur. |
| | 3.0 | Z AIZAVIL Z | Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk |
| | | 3 | tak a hlawi tur ani. |
| | 1 | 7 2 | + Chuan hei hian kah tur ani. Quinalphos 25 |
| | 1 | 1 6 1 | EC @ 340 ml/200 lit emaw lamda |
| | | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| | 1 6 | | In leh loa sawngbawln a a ro dan tur |
| | 1) | | tawkah chuan: Arabica / robusta |
| | | SERCHN | parchment 10 %, Arabica cherry 10.5 % leh |
| | | | robusta cherry 11.0 %. |
| | (| Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | | dang te paihpaih vek tur ani. |
| | | | Bordeaux mixture 0.5% in February - |
| | | | March (Pre-bloom) a kah phawt a, |
| | | LUNGLEI | Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani. |
| CEREALS AND PU | LSE CROPS | | monsoon an kan chilunzawin tur am. |
| Rabi Maize | A chin hun | 5% | ✓ Vaimim chinna tur atan lei kan let |
| Tabi Maizo | 0 | 17 | phut darh anga. |
| | | | Hei hian a rawn to chhuah na tur atan |
| | (| 1 7 7 | a pui dawn a ni. |
| | | | 4 A chi chu kan lei leh saah chuan kan |
| | | -3 | dah ang. |
| | | 1 | 4 A chi chu Thiram @4 g/kg seed hian ak |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | The state of the s | 4 20-25 kg/ha vel a chi thlak hi a tawk |
| | | | vel viau ani. |
| | | | ♣ A chi tuh hma in lei leh FYM @5-10 |
| | | | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | Dr. C | 3 P a g e |

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| South of the state | 5 | | K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah |
|--|-----------------------|---|--|
| Soybean, pea, lentil toria, | All stage | Zero tillage | tui pek thin tur ani. |
| breen gram | 1 | wy) | Lei rih vur hian thlai kung te a veng ve |
| and black | > | | ani. |
| gram | 1 | 5 | ♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga |
| cultivation in | J | / | khuh tur ani. |
| rice fellow | Carrier at an | | Muongohang laying alu ahin na tun |
| Potato | Sowing stage | AIZAWL I | Muangchang loving alu chin na tur chu buatsaih vat tur ani. |
| | 1 | | Hei hian a than hun laiin natna hrikin |
| | 1 | 5 | lakah a veng dawn ani. |
| | 1 | 1 55 | Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. |
| | 3 6 | | ♣ A chi thlak hma in a chi chu en fiah |
| | 1) | | hmasak tur ani. |
| | | SERCHH | A than a that theil nan nikhat danah |
| VEGETABLE CR | OP | Y Long | tui pek thin tur ani. |
| Tomato | Bacterial | | ♣ Tomato bikah chuan sik leh sa hi |
| 10111400 | Blight disease | | natna an kaina tlang lawn ber ani . |
| | 3 | LUNGLEI | Hmun hnawng leh ni hmu lo lutuk |
| | 3 | Print 12 (20) | hmunah chuan natna an kai hma bik |
| | 1 | 50 | ani. Tomato hi a uai a, a thih mai loh nan |
| | . 7 | 11 | Ridomil emaw Indofil emaw Mancozeb |
| | | | @ 2 gm hi tui liter 1 ah pawlh a kah |
| D 1 0 1 | 701 1 4 | | tur ani . |
| Early Cole | Black spot disease | 1 2 | A than a that theih nan nikhat danah tui pek thin tur ani. |
| crop | uiscasc | land and the same of the same | Thlai bul vawn hnawn nana thlai bula |
| | | LAWNGTLAN | hnim ring vawm khawm hi tui pek |
| | | SAIHA | zawhah dah tur ani. |
| | | | Likhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn |
| | | 2 2 | - sa vangin a iman an um uum lawii |

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| | 5 | | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah |
|--------------------|---------------|-----------------------|---|
| | V S | KOLASIB | tur ani. |
| Onion and capsicum | Nursery stage | Poly house | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | 1 | Phytopthora blight | ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. |
| French bean | Sowing stage | LUNGI EI | Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. |
| Carrot and radish | Sowing stage | LAWNGTLAUSAIHA | A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam |

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| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages | KOLASIB | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. |
| | MAMIT | Porcine Reproductive Respiratory Syndrome (PRRS). | Vawknote emaw vawk lak hran. |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHH | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani. |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAL | 4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. |

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| | | | 4 | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------|----------------------------------|-------------------------|-------|---|
| | 5 | | 4 | ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. |
| | Preventive measures | 0-3 rd week | ± | Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies |
| | - Samuel | 4 th weeks | + | Coccidiosis- Amprolium or coccidiostat |
| | [MADVIII | 4-5 th Weeks | | Calcium tonic fortified with B ₁₂ |
| FISHERY | 1 | (AIZAWIL | CHI | AMPAI } |
| | Monitoring (Sangha enkawl) | LUNGLEI | + + + | Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei. |
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Champhai Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/English Date of issue: 16th February, 2018

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|-----------------|-----------------|------------|--------------|--------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Partially clear | Partially clear | Clear sky | Mainly clear | Mainly clear |
| Max RH (%) | 99 | 97 | 100 | 100 | 100 |
| Min RH (%) | 20 | 27 | 26 | 18 | 15 |
| Wind Speed (KmpH) | 3 | 4 | 4 | 3 | 2 |
| *Wind Direction | S-E | S-E | E | S-E | E |

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm) Mamit-0.00mm (09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):13-15°C

Maximum RH (%):73-78%

Minimum RH (%):48-65%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

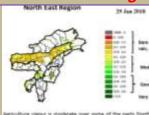
Rainfall: 00.0 mm

Weather forecast valid from 17thFebruary, 2018 To 21stFebruary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28°C and 12-14°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 15-27%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|-------------------|---|---|
| /Fisheries FRUITS CROPS | | Diseases | |
| KHASI MANDARIN AND ACID LIME | Flushing stage | KOLASIB | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. |
| STAR FRUIT | | \$ 1 | Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the |
| PLUM AND PEACH | MAMIT | AIZAWL | loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height. Apply Bordeaux mixture to the plant after pruning. Application of split dose of fertilizer 600: 200:100 (g/pt). |
| | 1 | Gummosis, citrus canker, citrus greening and Dieback | Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease. |
| PLANTATION CR | | E-Mark | T TC 1 |
| COFFEE | Blooming stage | LAWNGTLAUSAIHA | ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. ♣ Mulching should be done with dry |
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| | 7 | KOLASIB | grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. |
|---------------|--|----------------|---|
| Rubber | Vegetative stage | AIZAWL. | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure. |
| Strawberry | Fruit formation to harvesting stage | LUNGLEL | Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit Periodical harvest must be done once in a week |
| CEREALS AND I | PULSE CROPS | | |
| Rabi Maize | Harvesting stage | LAWNGTLANSAIHA | damage. |
| Zero tillage | Pod | Zero tillage | Possibility of rain will be very less. So |
| Greengram | formation | 201 | provide water every alternate day. |

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4 | P a g e

| 0 10 4 | ata da | | ♣ Collection and destruction of damage |
|----------------|------------|--|--|
| and | stage | | plant or plant part and spraying of any |
| blackgram | | | |
| | | 1 | systemic insecticide @ 2ml/lit should be done. |
| | 1. 1 | 1 | |
| | 1 1 | 5 | 4 Apply 2% urea solution to avoid stress |
| | | KOLASIB | condition. |
| | _ /_ | The state of the s | + Provide irrigation once in a week. |
| Zero tillage | Pod | Zero tillage | 4 Possibility of rain will be very less. So |
| Soybean | formation | 3 4 / | provide water every alternate day. |
| cultivation in | stage | | + Collection and destruction of damage |
| Jhum | 1 | | plant or plant part and spraying of any |
| | | | systemic insecticide @ 2ml/lit should |
| | K | | be done. |
| | J' MAMIT | 3 7 | 4 Apply 2% urea solution to avoid stress |
| | 5 | AIZAWL I | condition. |
| | - 1 | 100000000000000000000000000000000000000 | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | ♣ Possibility of rain will be very less. So |
| Toria | formation | 1 - 1 | provide water every alternate day. |
| | stage | | ♣ Apply split dose of fertilizer for better |
| |) (| | growth. |
| | 1 | | ♣ Collection and destruction of Blister |
| | | SERCHH | beetles and spraying of Neem oi |
| | | 1 | @3ml/lit should be done. |
| | V | 100 | ♣ Apply split dose of fertilizer for better |
| | | | growth. |
| | - 1 | 2.7 | ♣ Provide irrigation once in a week. |
| VEGETABLE CRO |)P | | |
| Ginger and | Harvesting | LUNGLEI | 4 Turmeric and ginger is harvested when |
| turmeric | stage | | leaves start yellowing and ultimately |
| | | 550 | the stem dries down. |
| | | 17 | 4 The plants are-cut close to the ground. |
| | | | ♣ The crop is irrigated lightly for easy |
| | | (4 70) | digging. |
| | | | Harvesting consists of digging o |
| | | 1 50 | underground clumps of rhizomes |
| | | 1 | with pick axe or digging fork. |
| | | LAWNGTLAN | Fingers are separated from mother |
| | | SAIHA | rhizomes. |
| | | (SAITA | wash clumps of rhizomes with water |
| | | | and keep it for sundry. |
| | | 1 = 1 | Seed stock will be store from partially |
| | | 6 6 | |

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



| | | 17 | dry sample. |
|-------------|----------------|--|--|
| | | | Cut the rhizome to small pieces for |
| | | | proper drying. |
| Early cole | Harvesting | | ♣ According to forecast and past weather |
| crop | stage | 1 | record, there is no probability of |
| СГОР | Stage | 7 | rainfall. So weekly twice irrigation is |
| | 1 | KOLASIB | required for upcoming week or use |
| | - 4 | 6. | straw mulch reduces soil water loss. |
| | 1 | 60°5 | ♣ Harvest all mature cards. |
| | 5 | | ♣ Don't spray any kind of pesticide to the |
| | 7 | Since | crop which creates more health hazard. |
| Onion | Bulb | Poly house | Provide irrigation every alternate day |
| | formation | | due to non availability of rain. |
| | stage | 1 | ♣ Intercultural operations should be |
| | | LAIZAWL I | done regularly to keep the crop free |
| | 1 | A CONTRACTOR OF THE PARTY OF TH | from weeds and better growth of bulb. |
| | 1 | j y | Remaining quantity of nitrogen is |
| | 1 | 6 6 7 | applied 30-40 days after transplanting. |
| | 1 | | Provide irrigation if water is require. |
| | 1 | | Low temperature and high humidity |
| | 1) | | influence the population of onion trips. |
| | | SERCHN | Apply any systemic insecticide 1.5 ml/lt of water. |
| French bean | Flowering to | V lan | ♣ Possibility of rain will be less coming |
| Fiench bean | fruiting stage | | five days. So alternate irrigation should |
| | ifulting stage | | be done 5 days interval. |
| | | | ♣ Remaining quantity of nitrogen is |
| | | LUNGLEI | applied 30-40 days after sowing. |
| | 3 | | Low temperature and high humidity |
| | 2.7 | 000 | influence the activity of stem rot. Apply |
| | | W (~ | Hexaconazole 1.5 ml/lt of water for |
| | | | better growth and development |
| Capsicum | Vegetative | Poly house | Intercultural operations should be done |
| | stage | | regularly to keep the crop free from |
| | | -3 | weeds and aeration of the root system. |
| | | The same of the sa | Remaining quantity of nitrogen is |
| | | LAWNGTLAN | applied 30-40 days after transplanting. Provide irrigation if water is require. |
| | | # SAIHA | 4 Apply any systemic insecticide to |
| | | | reduce damage of chilli thrips. |
| Brinjal | Fruiting to | 1 9 | ♣ According to forecast and past weather |
| 2111101 | i raiding to | 0 | |

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| | flowering | | record, there is no probability of |
|--------|-------------------------------------|---------------------------|--|
| | stage | KOLASIB | rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi |
| Chilli | Vegetative to flowering stage | AIZAWL | season. 4 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. |
| | P | SERCHH | Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and |
| Tomato | Flowering to harvesting stage | LUNGLEI | 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. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red. |
| | | Fruit fly LAWNGTLAL SAIHA | Seed must be keep from self pollinated variety. 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. |
| Potato | Harvesting | 1011 | If the leaves and plant became dry it means plant ready for harvesting. |
| | | 114 | 6 P a g e |

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| | ate == | | | Ones the furrous with the help of |
|---------------|---------------|------------------|------|--|
| | stage | | - | Open the furrow with the help of spade, harvest all mature tubers. |
| | | | 4 | Discard all mother tubers from |
| | | | _ | harvested potato tubers. |
| | 1. 1 | - F 3 | 4 | <u> </u> |
| | 1 1 | 5 | - | Keep 7 -10 days for drying or reduce |
| | | KOLASIB | | the moisture level in shed dry. |
| ANIMAL HUSBEN | IDADV | | 1 | Keep 25% seed for next season sowing. |
| | | WY 3 | 4 | Animals must keep in dry place or |
| Pig | All stages | 1 1 | _ | kept in alleviated area and dry bedding |
| | 3 | | | (straw) to be provided to young |
| | f. | | | animals. |
| | | 7/ | 4 | 1 st injection at 6 months of age and |
| | MAMIT | | _ | 2nd injection at 12 months of age |
| | Z. 10000000 | A common of | 2505 | followed by annual vaccination under |
| | 7 | (ATZAWIL) | CHA | vet supervision against FMD. |
| | 1 | 7 | 4 | Reduce concentrate diet up to 5%. |
| | 1 | (3 | 1 | Provide adequate potable water. |
| | 40 | 1 86 | 1 | In present weather conditions |
| | | V 0 | | vaccinate against swine fever (Vaccines |
| | () | | | available in State Veterinary Departs) |
| | 11 | Porcine | 1 | . Culling of positive pigs or piglets. |
| | | Reproductive | IP 7 | , edining of positive pige of pigieto. |
| | | Respiratory | 1 |)) |
| | - | Syndrome (PRRS). | | 1 7 |
| Cattle | All age group | | 4 | In present weather conditions, special |
| 0 000020 | | | | care should be taken against attack of |
| | | LUNGLEI | - 1 | maggots in the wounds of animals. |
| | 3 | | 1 | Application of turpentine oil in the |
| | 1 | yes, | 1 | wounds followed by application of |
| | | W 500 | -7 | antibiotics for five days is advised. |
| | 1 | | 4 | Provide UMB/Molases if possible in the |
| | (| Va St. V | 1 | feed |
| | | 3 1 3 5 3 | 4/ | Provide 10-30 ml of vitamin B-Complex |
| | 1 | J -3 | 3 | in feed |
| | | | 43 | 1st injection at 6-8 weeks of age, 2nd |
| | | LAWNGTLAN | | injection after 6 months of 1st injection |
| | | SAIHA | | followed by annual vaccination under |
| | | (SAIN | | vet supervision. |
| | | | 4 | Separate sick animals. |
| | | V S V | 4 | The animal should be washed with |
| | | 6 / | 1 | |

7 | P a g e

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| | 5 | | lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|---------|---|
| Poultry | All age group | AIZAWL | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | | | 7 |
| | Monitoring of fish in pond | LUNGLEI | 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. |

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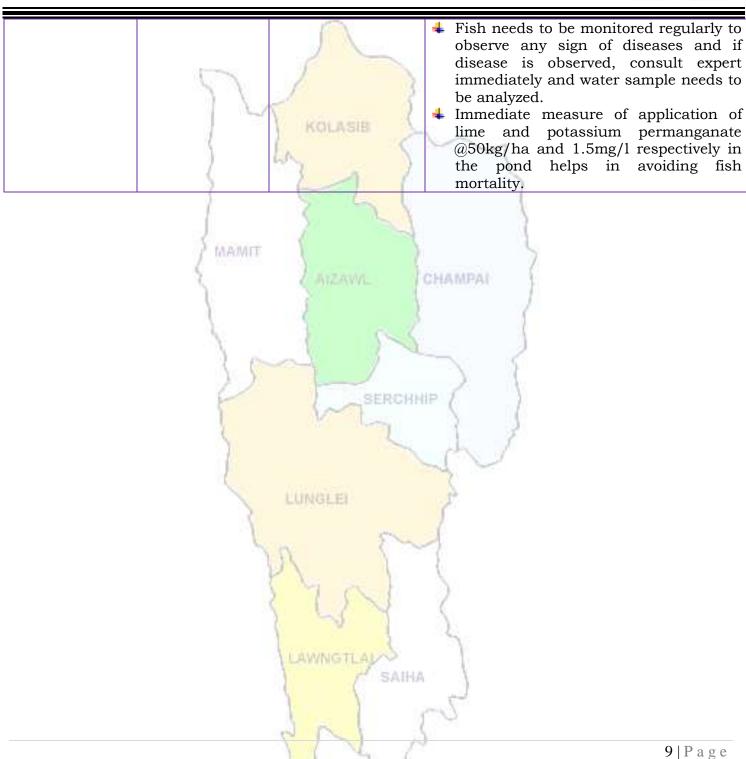


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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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District: Champhai Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/Mizo

| | 1 | P | (| | |
|-------------------|-----------------|-----------------|------------|--------------|--------------|
| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Partially clear | Partially clear | Clear sky | Mainly clear | Mainly clear |
| Max RH (%) | 99 | 97 | 100 | 100 | 100 |
| Min RH (%) | 20 | 27 | 26 | 18 | 15 |
| Wind Speed (KmpH) | 3 | 4 | 4 | 3 | 2 |
| *Wind Direction | S-E | S-E | E | S-E | E |

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm

Lunglei-0.00mm

Mamit-0.00mm

(10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C

Minimum Tem. (°C):13-15°C Maximum RH (%):73-78%

Minimum RH (%):48-65%

Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

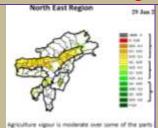
Rainfall: 00.0 mm

17th February - 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28°C a ni ang a. A vawh lai ber in 12-140C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 15-27% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all

districts of Mizoram.

Date of issue: 16th February, 2018

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|----------------------------|--|--|
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI MANDARIN AND ACID LIME | A kui atanga a seng hun | KOLASIB | Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. |
| BANANA STAR FRUIT | } | 375 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. |
| PLUM AND | MAMIT | AIZAWL | ♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani. |
| PEACH | 1 | 5 | Ken tar lakan ta veng theram. |
| | 35 | Gummosis, citrus canker, citrus greening and Dieback | ♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | OP | | |
| COFFEE | All stages | LAWNGTLAL | Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. |

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| | | | Harvesting Stage |
|---------------|---------------|--|--|
| | | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | | | thin a ni. |
| | | | ♣ A rah hmin tha lo ho chu nuai sawm |
| | 7 1 | 2 | hmain an thliar hrang leh vek thin ani. |
| | 1 | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| | | borer | ani. |
| | (| L. C | ♣ Hmaih neih nuaih loh tur ani. |
| |) | W. 3 | ♣ Sneg hmaih te lakkhawma paih vek tur |
| | (| 1 1 | ani. |
| | Y | | ♣ Seng bang zawng zawng chu uluka taka |
| | 1 | | paih fai vek tur ani. |
| | , J | 7/ | 4 A thlai vennan a rah tlai ho chu paih vek |
| | 2 MAMIT | | tur ani. |
| | J. Instanta | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Hmun dam lutukah dah loh tur. |
| | 7 | Z AIZAWL Z | Boruak tha taka a hmuh theih nan leh a |
| | | 3 | rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani. |
| | 1 | 2 | Lak a mawi tur am. Line Chuan hei hian kah tur ani. Quinalphos 25 |
| | 160 | | EC @ 340 ml/200 lit emaw lamda |
| | - 1 | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| |) 6 | | In leh loa sawngbawln a a ro dan tur |
| | 1 | | tawkah chuan: Arabica / robusta |
| | | SERCHN | |
| | | ~ | robusta cherry 11.0 %. |
| | Α | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | | dang te paihpaih vek tur ani. |
| | | | Bordeaux mixture 0.5% in February - |
| | | | March (Pre-bloom) a kah phawt a, |
| | | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| CEREALS AND I | DILL CE CDODC | THE PARTY HALL | monsoon) ah kah chhunzawm tur ani. |
| Rabi Maize | A chin hun | | → Vaimim chinna tur atan lei kan let |
| Rabi Maize | A chin hun | 7 | -7 |
| | | | phut darh anga. |
| | (| C Se V | Hei hian a rawn to chhuah na tur atan |
| | | 2 | a pui dawn a ni. |
| | 10 |) 55 7 | 4 A chi chu kan lei leh saah chuan kan |
| | | 1 | dah ang. |
| | | LAWNGTLAN | 4 A chi chu Thiram @4 g/kg seed hian ak |
| | | The state of the s | sawngbawl hmasa anga. |
| | | SAINA | 4 20-25 kg/ha vel a chi thlak hi a tawk |
| | | | vel viau ani. |
| | | | 4 A chi tuh hma in lei leh FYM @5-10 |
| | | 0 | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | 1 1 1 | 3 P a g e |

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| | 5 | | K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. |
|-----------------------------|-----------------------|---------------|---|
| Soybean, pea, lentil toria, | All stage | Zero tillage | A than a that theih nan nikhat danah tui pek thin tur ani. |
| breen gram | 1 | wy) | Lei rih vur hian thlai kung te a veng ve |
| and black | 2 | | ani. |
| gram | 1 | 5 | ♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga |
| cultivation in | J | / | khuh tur ani. |
| rice fellow | Carrier at an | | Muongahang laying alu ahin na tun |
| Potato | Sowing stage | AIZAWL I | Muangchang loving alu chin na tur chu buatsaih vat tur ani. |
| | 1 | | Hei hian a than hun laiin natna hrikin |
| | 1 | 5 | lakah a veng dawn ani. |
| | 1 | 1 55 | Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. |
| | 3 6 | | ♣ A chi thlak hma in a chi chu en fiah |
| | 1) | | hmasak tur ani. |
| | | SERCHH | A than a that theil nan nikhat danah |
| VEGETABLE CR | OP | Y Long | tui pek thin tur ani. |
| Tomato | Bacterial | | ♣ Tomato bikah chuan sik leh sa hi |
| 10111400 | Blight disease | | natna an kaina tlang lawn ber ani . |
| | 3 | LUNGLEI | Hmun hnawng leh ni hmu lo lutuk |
| | 3 | Print 12 (20) | hmunah chuan natna an kai hma bik |
| | 1 | 500 | ani. Tomato hi a uai a, a thih mai loh nan |
| | . 7 | 17 | Ridomil emaw Indofil emaw Mancozeb |
| | | | @ 2 gm hi tui liter 1 ah pawlh a kah |
| Powler Cala | Die als sweet | | tur ani . |
| Early Cole | Black spot disease | -4 | A than a that theih nan nikhat danah tui pek thin tur ani. |
| crop | arsease | | Thlai bul vawn hnawn nana thlai bula |
| | | LAWNGTLAN | hnim ring vawm khawm hi tui pek |
| | | SAIHA | zawhah dah tur ani. |
| | | | Likhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn |
| | | 2 2 | - sa vangin a iman an um uum tawii |

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| | 5 | KOLASIB | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |
|--------------------|---------------|-----------------------|--|
| Onion and capsicum | Nursery stage | Poly house | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | | Phytopthora blight | ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. |
| French bean | Sowing stage | LUNGLEI | Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. |
| Carrot and radish | Sowing stage | LAWNGTLAUSAIHA | A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |

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| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages | KOLASIB | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. |
| | MAMIT | Porcine Reproductive Respiratory Syndrome (PRRS). | Vawknote emaw vawk lak hran. |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHH | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani. |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAL | 4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. |

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| | | ♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tui |
|-----------------------------|-------------------------|--|
| | | ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani. |
| Preve meas | C V | |
| 16 | 4 th weeks | ♣ Coccidiosis - Amprolium or coccidiostat |
| | 4-5 th Weeks | A Disconsistance of the Control of t |
| FISHERY | (AIZAVVL | CHAMPAI } |
| Monito (Sangha enkawl | LUNGLEI | ♣ Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. ♣ Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. ♣ Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tudang in dil buatsaih tur ani. ♣ Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, dilturenfiah vat tur ani. ♣ A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei. |
| | | |

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Kolasib Period: 17 February - 21 February, 2018

Date of issue: 16th February, 2018 Bulletin No: - 771/2018/ Bulletin/English

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|---------------|-----------------|------------|------------|--------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 29 | 29 |
| Min Temp (°C) | 13 | 13 | 13 | 14 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Clear sky | Mainly clear |
| Max RH (%) | 100 | 88 | 100 | 100 | 100 |
| Min RH (%) | 23 | 26 | 22 | 20 | 21 |
| Wind Speed (KmpH) | 4 | 4 | 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 Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 0.00mm Saiha- 0.00 mm Aizawl- 0.00mm (09.28mm)(10.31mm)

Kolasib- 0.00mm (08.44mm)(09.40mm)

Lawngtlai-0.00mm Lunglei-0.00mm (10.88mm)(09.60mm)

Mamit-0.00mm (08.86mm) Serchhip-0.00mm (08.44mm)

Weather summary of the past three days

Weather forecast valid from 17thFebruary, 2018 To 21stFebruary, 2018.

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):15-17°C Maximum RH (%):70-75% Minimum RH (%):48-65% Wind Direction: Southeasterly

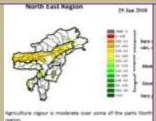
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 13-14°C. Maximum relative humidity is expected in the range of 88-100% and minimum may from 20-26%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|----------|------------------|--|
| Animal | | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Flushing | <" 3 | ♣ According to forecast and past weather |
| MANDARIN | stage | KOLASIB | record, there is no probability of |
| AND ACID | 7 | | rainfall. So weekly irrigation is required |
| LIME |) | CA. | for upcoming week or use straw mulch |
| STAR FRUIT | (| 2 1 | reduces soil water loss. |
| SIAK FRUII | 3 | Common Land | ♣ Pruning should involve removing |
| | 1 | | unhealthy, unwanted and poorly |
| PLUM AND | 2 | | positioned branches but minimise the loss of healthy foliage. |
| PEACH | MAMIT | | The best time to prune is soon after |
| PEACH | 5 | AIZAWL | harvest in winter to early spring before |
| | 1 | Consume: | bud break. For late varieties where two |
| | |) | crops may hang on the tree at once |
| | 1 | 6.7 | some of the new crop may be lost. |
| | | | |
| | 1 6 | | mixture to reduce the damage of white |
| | 1) | | ant upto 4 feet height. |
| | | SERCH | Apply Bordeaux mixture to the plant after |
| | 1 | V~ 1 | pruning. |
| | 1 | | ♣ Application of split dose of fertilizer 600: |
| | | 1100 | 200:100 (g/pt). |
| | 1 | Gummosis, | Due to low temperature and humidity |
| | 1 | citrus canker, | disease appearance will more. Use Bordeaux |
| |) | citrus greening | past in tree trunk, twigs and branches protect healthy plant from soil borne |
| | 14 | and Dieback | disease. |
| PLANTATION CR | OP | | |
| COFFEE | Blooming | | ♣ If day temperature and prolong dry |
| | stage | (6 20) | spell occur it lead to Floral |
| | | | abnormalities like "Star Flower" in |
| | | 30 | Arabica and "Pink Flower" in Robusta. |
| | | | ♣ Irrigation of plants at alternate day's |
| | | LAWNGTLAL | interval, 6 weeks before harvesting |
| | | SAIHA | improves fruit retention and fruit |
| | | | development, and reduces fruit |
| | | | cracking and improves the fruit quality. Hulching should be done with dry |
| | | 6 0 | with dry |
| | | 1 4 6 | 2 Page |

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| | | KOLASIB | grasses near the tree base to conserve soil moisture during winter. 4 The young fruit plant must be irrigated at weekly interval for better establishment. 4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. |
|---------------|--|-----------------|---|
| Rubber | Vegetative stage | AIZAWL SERVICE | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure. |
| Strawberry | Fruit formation to harvesting stage | LUNGLEI | Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit Periodical harvest must be done once in a week |
| CEREALS AND I | | I | |
| Rabi Maize | Harvesting stage | LAWNGTLAU SAIHA | damage. |
| Zero tillage | Pod | Zero tillage | Possibility of rain will be very less. So |
| Greengram | formation | N 70 | provide water every alternate day. |

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| and blackgram | stage | 1 | ♣ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should |
|---------------------|--------------|---------------------------|--|
| | | | be done. |
| | 2.1 | 1 | ♣ Apply 2% urea solution to avoid stress |
| | 1 | V | condition. |
| | | KOLASIB | Provide irrigation once in a week. |
| Zero tillage | Pod | Zero tillage | Possibility of rain will be very less. So |
| Soybean | formation | " 1 4 1 | provide water every alternate day. |
| cultivation in | stage | | ♣ Collection and destruction of damage |
| Jhum | 7 | 2 6 | plant or plant part and spraying of any |
| | | | systemic insecticide @ 2ml/lit should |
| | MAMIT | | be done. |
| | T intervitor | \ | Apply 2% urea solution to avoid stress condition. |
| | 3 | Z ATZAWIL I | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | ♣ Possibility of rain will be very less. So |
| Toria | formation | Zero tiliage | provide water every alternate day. |
| Toria | stage | 2 8 8 | ♣ Apply split dose of fertilizer for better |
| | stage | 1 3 4 | growth. |
| | 100 | | ♣ Collection and destruction of Blister |
| | | SERCHN | beetles and spraying of Neem oil |
| | | Controller of the control | @3ml/lit should be done. |
| | 1 | | ♣ Apply split dose of fertilizer for better |
| | | | growth. |
| LIBORANI B ODO |) D | | _	♣ Provide irrigation once in a week. |
| VEGETABLE CRO | | A Continue on | ♣ Turmeric and ginger is harvested when |
| Ginger and turmeric | Harvesting | LUNGLEI | leaves start yellowing and ultimately |
| turmeric | stage | | the stem dries down. |
| | 7 | m Em | The plants are-cut close to the ground. |
| | | 11 | ♣ The crop is irrigated lightly for easy |
| | | Vi Si V | digging. |
| | | | ♣ Harvesting consists of digging of |
| | | 1 -3 7 | underground clumps of rhizomes |
| | | - S | with pick axe or digging fork. |
| | | LAWNGTLAN | Fingers are separated from mother |
| | | SAIHA | rhizomes. |
| | | (| ♣ Wash clumps of rhizomes with water |
| | | 1 | and keep it for sundry. |
| | | 0 0 | ♣ Seed stock will be store from partially |

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| | | 17 | dry sample. |
|-------------|----------------|---------------|---|
| | | | Cut the rhizome to small pieces for |
| | | | proper drying. |
| Early cole | Harvesting | | ♣ According to forecast and past weather |
| crop | stage | 1 | record, there is no probability of |
| СГОР | Stage | 7 | rainfall. So weekly twice irrigation is |
| | | KOLASIB | required for upcoming week or use |
| | (| (· | straw mulch reduces soil water loss. |
| |) | wy) | ♣ Harvest all mature cards. |
| | 5 | | ♣ Don't spray any kind of pesticide to the |
| | 0 | San Land | crop which creates more health hazard. |
| Onion | Bulb | Poly house | ♣ Provide irrigation every alternate day |
| | formation | | due to non availability of rain. |
| | stage | (| ♣ Intercultural operations should be |
| | | AIZAWL I | done regularly to keep the crop free |
| | 1 | Conesione: | from weeds and better growth of bulb. |
| | 1 | J 1 | Remaining quantity of nitrogen is |
| | A. | | applied 30-40 days after transplanting. |
| | 1 | | Provide irrigation if water is require. |
| | 2 6 | | Low temperature and high humidity |
| | 1 | | influence the population of onion trips. |
| | | SERCHN | Apply any systemic insecticide 1.5 |
| | | ~ | ml/lt of water. |
| French bean | Flowering to | | + Possibility of rain will be less coming |
| | fruiting stage | | five days. So alternate irrigation should |
| | 1 | | be done 5 days interval. Remaining quantity of nitrogen is |
| | 1 | A Charles and | applied 30-40 days after sowing. |
| | | LUNGLEI | Low temperature and high humidity |
| | 1/4 | | influence the activity of stem rot. Apply |
| | 7 | w En | Hexaconazole 1.5 ml/lt of water for |
| | | 11 | better growth and development |
| Capsicum | Vegetative | Poly house | ♣ Intercultural operations should be done |
| | stage | | regularly to keep the crop free from |
| | 2-28- |) F3 Y | weeds and aeration of the root system. |
| | | | Remaining quantity of nitrogen is |
| | | LAWNGTLANS | applied 30-40 days after transplanting. |
| | | SAIHA | Provide irrigation if water is require. |
| | | (SAITIA | Apply any systemic insecticide to |
| | | | reduce damage of chilli thrips. |
| Brinjal | Fruiting to | | According to forecast and past weather |
| | | 100 | |

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| | flowering | | record, there is no probability of |
|-----------|---------------|--|---|
| | stage | | rainfall. So weekly twice irrigation is |
| | - | - | required for upcoming week or use |
| | 1 1 | 1 | straw mulch reduces soil water loss. |
| | 1 1 | 5 | Interculture operation should be done |
| | | KOLASIB | near to the base of the plant. |
| | 1 | 1 | 4 Apply split dose of nitrogenous |
| |) | W. J | fertilizer to the plant. Fruit and shoot borer attack will mare |
| | | 1 1 | in dry weather. Apply any systematic |
| | 3 | the same of the sa | insecticide for better cure. |
| | 1 | | ♣ Harvest all mature fruit. |
| | | | ♣ Seed must be keep for next rabi |
| | MAINIT | | season. |
| Chilli | Vegetative to | AIZAVAL I | According to forecast and past weather |
| | flowering | Contenue: | record, there is no probability of |
| | stage | 5 | rainfall. So weekly twice irrigation is |
| | 4 | 1 2 | required for upcoming week or use |
| | 1 | | straw mulch reduces soil water loss. |
| | 2 6 | | Interculture operation should be done |
| | | | near to the base of the plant. Apply split dose of nitrogenous |
| | | SERCHN | Apply split dose of nitrogenous fertilizer to the plant. |
| | 1 | V | Mature fruit should be harvested and |
| Tomato | Flowering to | | ♣ According to forecast and past weather |
| 7 0111400 | harvesting | | record, there is no probability of |
| | stage | | rainfall. So weekly twice irrigation is |
| | beage | LUNGLEI | required for upcoming week or use |
| | 3 | the state of the s | straw mulch reduces soil water loss. |
| | - 1 | 500 | If irrigation is not available keep grass |
| | | 11 | and dry leaves as mulch. |
| | | | Harvest all the mature which colour change to pale yellow to red. |
| | | 135 6 | Seed must be keep from self pollinated |
| | | 1 5 3 | variety. |
| | | Fruit fly | ♣ In large gardens apply carbaryl 0.2 per cent |
| | | Accession with a second second | or malathion 0.15 per cent suspension |
| | | LAWNGTLAN | containing sugar or jeggery at 10 g/l at |
| | | SAIHA | fortnightly intervals at flowering and fruit initiation. |
| Potato | Harvesting | | Induon. If the leaves and plant became dry it |
| Totato | mai vesting | 201 | means plant ready for harvesting. |
| | 1 | THE P | 6 Page |

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| | -A | | 1 0-2-2-4 | the framery with the help of |
|---------------|---------------|--|--------------------|---|
| | stage | | _ | the furrow with the help of |
| | | | spaue, Liscar | harvest all mature tubers. d all mother tubers from |
| | | | | |
| | 1. 1 | 1 | | ted potato tubers. |
| | 1 1 | 5 | | 7 -10 days for drying or reduce |
| | | KOLASIB | | pisture level in shed dry. |
| ANIMAL HUSBEN | IDADV | | * Keep 2 | 5% seed for next season sowing. |
| Pig | | WY 3 | 4 Anima | ls must keep in dry place or |
| Fig | All stages | 1 1 | | alleviated area and dry bedding |
| | 3 | Control of the second | | to be provided to young |
| | 1 | | anima | |
| | J | | | ection at 6 months of age and |
| | MAMIT | | | njection at 12 months of age |
| | Z. 10000000 | A CONTRACTOR OF THE PARTY OF TH | | ed by annual vaccination under |
| | 1 | A AIZAWL | ** AA. TUS AT AA S | pervision against FMD. |
| | 1 | 1 | | e concentrate diet up to 5%. |
| | \ | () | | e adequate potable water. |
| | 1 | 127 | _ | present weather conditions |
| |) 0 | | vaccin | ate against swine fever (Vaccines |
| | 100 | | | ole in State Veterinary Departs) |
| | | Porcine | 1. Cullir | ng of positive pigs or piglets. |
| | | Reproductive | | 1 |
| | V | Respiratory | 1 | 3 |
| | | Syndrome (PRRS). | The la | ſ. |
| Cattle | All age group | | Table - | sent weather conditions, special |
| | | Unit Constant | | ould be taken against attack of |
| | | LUNGLEI | | s in the wounds of animals. |
| | 3 | | | tion of turpentine oil in the |
| | | 57 | | s followed by application of |
| | . 7 | 11 | | tics for five days is advised. |
| | | | | UMB/Molases if possible in the |
| | (1) | 1956 | feed | 10.20 1 - 6 '4' P. C1- |
| | N. | | | 10-30 ml of vitamin B-Complex |
| | | (=) | in feed | action at 6.8 weeks of are and |
| | | Language and the | | ection at 6-8 weeks of age, 2nd n after 6 months of 1st injection |
| | | LAWNGTLAN | | d by annual vaccination under |
| | | SAIHA | | ervision. |
| | | | | etvision. ite sick animals. |
| | | 1 | | nimal should be washed with |
| | | 0 0 | 1110 6 | dimid bilodid be wasiled with |
| | | 1141 | | 7 Page |

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| | 5 | | lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|----------------|---|
| Poultry | All age group | AIZAWL | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | J | | 7 |
| | Monitoring of fish in pond | LAWNGTLALSAIHA | 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. |

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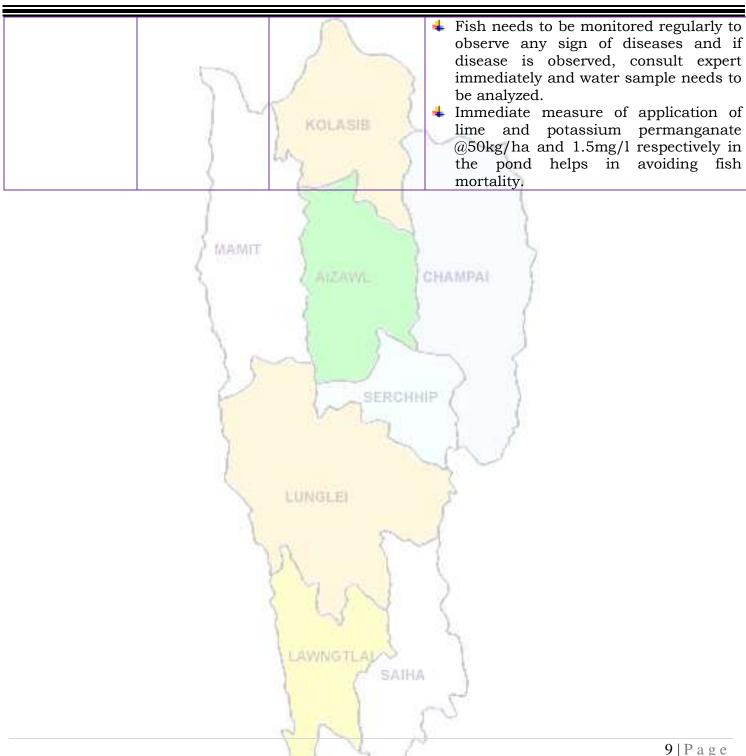


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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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District: Kolasib Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/Mizo

| | 7. 1 | P | (| | |
|-------------------|---------------|-----------------|------------|------------|--------------|
| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 29 | 29 |
| Min Temp (°C) | 13 | 13 | 13 | 14 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Clear sky | Mainly clear |
| Max RH (%) | 100 | 88 | 100 | 100 | 100 |
| Min RH (%) | 23 | 26 | 22 | 20 | 21 |
| Wind Speed (KmpH) | 4 | 4 | 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 Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

Serchhip-0.00mm (08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C

Minimum Tem. (°C):15-17°C Maximum RH (%):70-75% Minimum RH (%):48-65%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

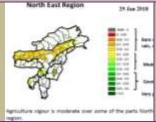
17th February – 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 16th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 88-100% leh a hniam lai berin 20-26% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|----------------------|--------------|---------------------------|--|
| /Fisheries | | Diseases | nusbanury auvisories |
| FRUITS CROPS | | Discases | |
| KHASI | A kui atanga | 20 | ♣ Thlasik laia thlai bul khoro lutuk tur |
| MANDARIN | a seng hun | Ven sem | vennan chuan hnim hnah hring tlai bul |
| AND ACID | u song nun | KOLASIB | velah dahkhawm tur ani. |
| LIME |) | LA N | ♣ Thlai naupang deuah chuan chawlh |
| | (| 3 4 / | kar tin a tui pek thin tur ani. |
| BANANA | - 7 | | Leia tha mamawh tawk a hmuh |
| | 1 | 3 | theihna turin a hmunhma a hnim awm |
| STAR FRUIT | | | te thlawhfai thin tur ani. |
| SIAR FRUII | MAMIT | | ♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan |
| | 5 | AIZAVAL | leh a rah than that nan te leh a rah |
| PLUM AND | 1 | Carenne: | keh tur lakah t a veng thei ani. |
| PEACH | | <i>y</i> | |
| | 1 | Gummosis, citrus | ♣ Temperture hniam lutuk leh hnawng vang |
| | 100 | canker, citrus | hian natna a a tam duh a . Soil bome natna |
| | 1 | greening and | laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | 7) | Dieback | La Carte Car |
| | 5 | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | OP | | 108/11 |
| COFFEE | All stages | PARAPER | Nursery stage |
| | | | ♣ Thlai chi thlak hma in Azospirillum leh |
| | 1 | m 850 | Phosphobacterium a enkawl tur ani. |
| | | 11 | A chi hi December – January ah hmun |
| | | C Vai Se V | zawl/rualrem 1.5 - 2.5 cm a in hlatin |
| | | | tlar mumal tak siam in chin tur ani. |
| | |) F3 7 | Chuan a chi chu lei tlem te a chhilh a |
| | | 1 3 | buhpawla khuh tur ani. |
| | | LAWNGTLAN | ♣ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur |
| | | SAIHA | ani. |
| | | | ♣ Ni 45 hnu velah a tiak thin a,chu chu |
| | | 1 | bag ah an sawn chhuak leh thin ani. |
| | | 0 0 | |

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| | | | Homosting Store |
|---------------|------------------|------------------|---|
| | | | Harvesting Stage |
| | | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | | 1 | thin a ni. |
| | 100 | e a | ♣ A rah hmin tha lo ho chu nuai sawm |
| |) \ | | hmain an thliar hrang leh vek thin ani. |
| | The state of | Coffee Berry | 👃 A hun takah leh fimkhhur taka seng tur |
| | J. | borer | ani. |
| | 1 | En S | Hmaih neih nuaih loh tur ani. |
| | 1 | 10 y | 4 Sneg hmaih te lakkhawma paih vek tur |
| | 8 | 2 6 | ani. |
| | () | | seng bang zawng zawng chu uluka taka |
| | 1 | | paih fai vek tur ani. |
| | | | 4 A thlai vennan a rah tlai ho chu paih vek |
| | MAMIT | | tur ani. Hmun dam lutukah dah loh tur. |
| | Z. 15555555 | 1 | Boruak tha taka a hmuh theih nan leh a |
| | 3. | (AIZAWL) | rawn chawr no theih nan thlai chu uluk |
| | | 2 | tak a hlawi tur ani. |
| | 1 | - 7 | 4 Chuan hei hian kah tur ani. Quinalphos 25 |
| | 160 | 1 6 (| EC @ 340 ml/200 lit emaw lamda |
| | 1 | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| | 1 6 | | ♣ In leh loa sawngbawln a a ro dan tur |
| |) | | tawkah chuan: Arabica / robusta |
| | | SERCHN | |
| | | 1 | robusta cherry 11.0 %. |
| | \ \ | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | | dang te paihpaih vek tur ani. |
| | | | Bordeaux mixture 0.5% in February - |
| | | | March (Pre-bloom) a kah phawt a, |
| | | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| CERRATC AND I | WILLIAM OF OPODO | | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND I | | 274 | |
| Rabi Maize | A chin hun | W 5 % | → Vaimim chinna tur atan lei kan let |
| | | 31 | phut darh anga. |
| | 1 | The same of | Hei hian a rawn to chhuah na tur atan |
| | į. | | a pui dawn a ni. |
| | | 1 - 6 | ♣ A chi chu kan lei leh saah chuan kan |
| | | 1 | dah ang. |
| | | A comment of the | ♣ A chi chu Thiram @4 g/kg seed hian ak |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | SAIHA | |
| | | | vel viau ani. |
| | | | ♣ A chi tuh hma in lei leh FYM @5-10 |
| | | 1 / m | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | 11 11 1 | 3 P a g e |

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| | 5 | | K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. |
|-----------------------------|---------------------|--------------|---|
| Soybean, pea, lentil toria, | All stage | Zero tillage | A than a that theih nan nikhat danah tui pek thin tur ani. |
| breen gram | 1 | wy) | Lei rih vur hian thlai kung te a veng ve |
| and black | 2 | | ani. |
| gram | 1 | 5 | ♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga |
| cultivation in | | / | khuh tur ani. |
| rice fellow | TIMMAN (| | Myangahang laying aly ship no tun |
| Potato | Sowing stage | LAIZAWL I | Muangchang loving alu chin na tur chu buatsaih vat tur ani. |
| | 1 | | Hei hian a than hun laiin natna hrikin |
| | 1 | 5 | lakah a veng dawn ani. |
| | 1 | 1 55 | Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. |
| | 3 6 | | A chi thlak hma in a chi chu en fiah |
| | 1) | | hmasak tur ani. |
| | | SERCHH | A than a that theih nan nikhat danah |
| VEGETABLE CR | OP | V Las | tui pek thin tur ani. |
| Tomato | Bacterial Bacterial | | ♣ Tomato bikah chuan sik leh sa hi |
| Tomaco | Blight disease | | natna an kaina tlang lawn ber ani . |
| | | LUNGLEI | Hmun hnawng leh ni hmu lo lutuk |
| | 3 | MANAGEMENT . | hmunah chuan natna an kai hma bik |
| | 1 | 50 | ani. Tomato hi a uai a, a thih mai loh nan |
| | . 7 | 11 | Ridomil emaw Indofil emaw Mancozeb |
| | | | @ 2 gm hi tui liter 1 ah pawlh a kah |
| | | 7 5 | tur ani . |
| Early Cole | Black spot | 1 22 1 | A than a that theih nan nikhat danah tui pek thin tur ani. |
| crop | disease | | |
| | | LAWNGTLAN | hnim ring vawm khawm hi tui pek |
| | | # SAIHA | zawiiaii daii tai diii. |
| | | | ♣ Zikhlum lam chi ah chuan sik leh |
| | | | sa vangin a hnah ah thil dum rawn |

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| | 5 | KOLASIB | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |
|--------------------|---------------|-----------------------|--|
| Onion and capsicum | Nursery stage | Poly house | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | | Phytopthora blight | ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. |
| French bean | Sowing stage | LUNGLEI | Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. |
| Carrot and radish | Sowing stage | LAWNGTLAUSAIHA | A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |

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| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages | KOLASIB | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. |
| | MAMIT | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Vawknote emaw vawk lak hran. |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHN | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAL | 4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. |

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| | | | + | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------|---------------------------------------|---|------|--|
| | | | | ani. |
| | | | 4 | Chaw a hmuar/thing pek loh tur ani a, |
| | 3. 1 | 1 | | an chaw eitur thlak sak thut loh tur |
| | | V V | | ani. |
| | Preventive | 0-3 rd week | 4 | Ranikhet Disease- an pian atanga ni |
| | measures | La S | | 1-6 ah F1 vaccine pek tur ani a, chuan |
| | 1 | 7 | | a puitlingh chuan R2B vaccine pek tur |
| |) | | | ani. |
| | 1 | 5 6 | _ | B complex with antibodies |
| | | 4 th weeks | + | Coccidiosis- Amprolium or |
| | 3 | | | coccidiostat |
| | T MAUNTI | 4-5 th Weeks | 4 | Calcium tonic fortified with B ₁₂ |
| FISHERY | 3 | ATZAWIL. | CH | AMPAL |
| | Monitoring | 1 | 4 | 2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01 |
| | (Sangha | (| | chauh pek thin tur ani. Sangha chaw a |
| | enkawl) | 1 1 | | lo hmuar anih chuan pek hma in ni sa |
| | 0 0 | | - | a phoro phawt tur ani. |
| | 1 | | - | Sangha chaw hi a hmuar lohna turin |
| | | SERCHH | (p) | hmun ro leh uap lutuk lo ah dahthat |
| | | ~ | | tur ani a, hmuar atang a tur lo inseam |
| | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | thin, aflatoxin avang a sangha thi lak |
| | | | - | atangin sangha a him phah thin. Dil sah kang veka sangha man thin |
| | | | 5 | hian a kumleh a sangha khawinan a dil |
| | | NAME OF THE OWNERS OF THE OWNER, | | buatsaih a ti awlsam a, dil mawng |
| | | LUNGLEI | 19 | phoro, chinai phul, leitha hman leh tul |
| | | | 7 | dang in dil buatsaih tur ani. |
| | | 5 | 4 | Sangha te natna lak atangin an him em |
| | | 1 | 1 | tih enfiah fo a tha a, natna hmuh anih |
| | 3 | | 1 | chuan mithiam te rawn vat a, diltui |
| | | 1776 | 8 | enfiah vat tur ani. |
| | | 1 50 4 | 4 | A ranglam a chinai @50kg/ha leh |
| | | 1 | 18 | tuisen @1.5mg/l diltui a hman hian |
| | | A CHARLETT ALL S | | sangha natna avang a thi tur lak |
| | | LAWNGTLAN | | atangin a veng thei. |
| | | SAIHA | 1 |) |
| | | | Prin | 7 |
| | | 1 2 | | 2 |
| | | 60 | 100 | |

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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/English Date of issue: 16th February, 2018

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|-----------------|-----------------|--------------|-----------------|-----------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Partially clear | Partially clear | Mainly clear | Partially clear | Partially clear |
| Max RH (%) | 68 | 83 | 91 | 87 | 82 |
| Min RH (%) | 18 | 24 | 27 | 20 | 17 |
| Wind Speed (KmpH) | 3 | 4 | 4 | 2 | 2 |
| *Wind Direction | N-E | E | N-E | N-E | N-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 Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Cha

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm (09.40mm)

(10.31mm) Lawngtlai-0.00mm (09.28mm) Lunglei-0.00mm (08.44mm) Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)
Weather summary of the past three days

(09.60mm)

(08.86mm)

(08.44mm)

Maximum Tem. (°C):25-28°C Minimum Tem. (°C):12-14°C Maximum RH (%):73-78%

Minimum RH (%):48-57% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

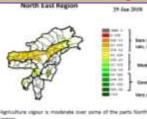
Rainfall: 00.0 mm

Weather forecast valid from 17thFebruary, 2018 To 21stFebruary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28°C and 12-14°C. Maximum relative humidity is expected in the range of 68-91% and minimum may from 17-27%. Wind direction would be northeasterly to easterly and northeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|-------------------------------|-------------------|---|---|
| /Fisheries FRUITS CROPS | | Diseases | |
| KHASI MANDARIN AND ACID | Flushing stage | KOLASIB | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch |
| STAR FRUIT | 1 | 7 | reduces soil water loss. 4 Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the |
| PLUM AND PEACH | MAMIT | AIZAWL | loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height. Apply Bordeaux mixture to the plant after pruning. Application of split dose of fertilizer 600: 200:100 (g/pt). |
| | 3 | Gummosis, citrus canker, citrus greening and Dieback | Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease. |
| PLANTATION CR | | | |
| COFFEE | Blooming stage | LAWNGTLALSAIHA | ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. ♣ Mulching should be done with dry |
| | | TIN 1 | 2 P a g e |

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



3 | Page

| | | | | grasses near the tree base to conserve soil moisture during winter. |
|---------------|--------------|--------------|-----|--|
| | | 1 | + | The young fruit plant must be irrigated |
| | 1 1 | 1 3 | | at weekly interval for better establishment. |
| | 1 | 7 | 4 | Foliar application of Mepiquat chloride |
| | 1 | KOLASIB | ÿ. | @ 1000 PPM concentration or 0.75% |
| |) | En S | 2 | SSP @ 1.5 g per 200 lt of water 15 days |
| Dubbon | Vogototimo | 7 1 | _ | interval. According to forecast and past weather |
| Rubber | Vegetative | | * | record, there is no probability of |
| | stage | | | rainfall. So weekly irrigation is required |
| | 2 | | | for upcoming week or use straw mulch |
| | MAMMIT |) | | reduces soil water loss. |
| | § | AIZAWL I | 4 | Farmers can go for tapping upto last |
| | 1 | | | week of January. Make fire line around the field to save |
| |) | 3 | * | from fire. |
| | 36 | P. C. | 4 | Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) |
| | 3 | - 1 3 V | | between 4 plants. Store dried leaves in |
| | 100 | | | the pit and after 4 months it can use as |
| | | SERCHH | i t | manure. |
| Strawberry | Fruit | | + | Possibility of rain will be very less. So |
| | formation to | | 4 | provide water every alternate day. Harvest all mature fruits or partially |
| | harvesting | | | matured fruit |
| | stage | | 4 | Periodical harvest must be done once in |
| | | LUNGLEL | | a week |
| CEREALS AND I | | | - | D 11 11 1 1 |
| Rabi Maize | Harvesting | 500 | | Possibility of rain will be very less. Harvest all the mature cobs. |
| | stage | 17 | | Keep harvested cobs in sundry for 8 to |
| | | | _ | 10 days to keep the moisture level |
| | | | | below 10%. |
| | 1 | J -3 7 | 4 | 25% seed will keep as seed for next |
| | | | | year. |
| | | LAWNGTLAND | + | Parrot attacking trap should be made |
| | | # SAIHA | | around field to escape crop from damage. |
| Zero tillage | Pod | Zero tillage | 4 | Possibility of rain will be very less. So |
| Greengram | formation | | | provide water every alternate day. |
| | | C C | 11 | <u> </u> |

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



4 | P a g e

| a = 4 | 44 6 7 6 | | _ | Collection and destruction of demand |
|----------------|-----------------|--|----|---|
| and | stage | | - | Collection and destruction of damage |
| blackgram | | | | plant or plant part and spraying of any |
| | | | | systemic insecticide @ 2ml/lit should |
| | 1 | F 3 | _ | be done. |
| | 1 1 | 5 | - | Apply 2% urea solution to avoid stress |
| | | KOLASIB | | condition. |
| | | The state of the s | | Provide irrigation once in a week. |
| Zero tillage | Pod | Zero tillage | - | Possibility of rain will be very less. So |
| Soybean | formation | 1 4 1 | | provide water every alternate day. |
| cultivation in | stage | | + | Collection and destruction of damage |
| Jhum | 7 | 5 | | plant or plant part and spraying of any |
| | 1 | 5 | | systemic insecticide @ 2ml/lit should |
| | 2 | | | be done. |
| | J' MAMIT | 1 | 4 | Apply 2% urea solution to avoid stress |
| | 5 | LAIZAWL I | - | condition. |
| | - 1 | KOMPENVIE . | 4 | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | 4 | Possibility of rain will be very less. So |
| Toria | formation | 5 | | provide water every alternate day. |
| | stage | 1 1 | 4 | Apply split dose of fertilizer for better |
| | bugo | | | growth. |
| | 100 | | 4 | Collection and destruction of Blister |
| | | SERCHN | | beetles and spraying of Neem oil |
| | | SERCHN | 11 | @3ml/lit should be done. |
| | l l | | 4 | Apply split dose of fertilizer for better |
| | | | | growth. |
| | - 1 | | _+ | Provide irrigation once in a week. |
| VEGETABLE CRO |)P | | | 3 |
| Ginger and | Harvesting | LUNGLEI | 4 | Turmeric and ginger is harvested when |
| turmeric | stage | | | leaves start yellowing and ultimately |
| | | V*** | | the stem dries down. |
| | | W 5 ~~ | - | The plants are-cut close to the ground. |
| | | 31 | 4 | The crop is irrigated lightly for easy |
| | | | | digging. |
| | | 2 1 5 8 | 4 | Harvesting consists of digging of |
| | | J F3 7 | | underground clumps of rhizomes |
| | | A | | with pick axe or digging fork. |
| | | Lamagerand | 4 | Fingers are separated from mother |
| | | LAWNGTLAN | | rhizomes. |
| | | # SAIHA | 4 | Wash clumps of rhizomes with water |
| | | | | and keep it for sundry. |
| | | 1 | 4 | Seed stock will be store from partially |
| | | 60 | | F-12-0-0-1 |

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| | | | dry sample. Lut the rhizome to small pieces for |
|-------------|----------------|--|---|
| | | | proper drying. |
| Early cole | Harvesting | / | ♣ According to forecast and past weather |
| crop | stage | 21 | record, there is no probability of |
| • | | Variation (| rainfall. So weekly twice irrigation is |
| | J. | KOLASIB | required for upcoming week or use |
| |) | A. | straw mulch reduces soil water loss. |
| | (| 1 4 / | Harvest all mature cards. |
| | 7 | | Don't spray any kind of pesticide to the |
| | | 511 | crop which creates more health hazard. |
| Onion | Bulb | Poly house | ♣ Provide irrigation every alternate day |
| | formation | | due to non availability of rain. Intercultural operations should be |
| | stage | 1 | done regularly to keep the crop free |
| | 30 | (ATZAWIL) | from weeds and better growth of bulb. |
| | 1 | 1 | Remaining quantity of nitrogen is |
| | 1 | () | applied 30-40 days after transplanting. |
| | 1 | 2 1 | Provide irrigation if water is require. |
| |) | ~ 1 3 4 | Low temperature and high humidity |
| | 1 | | influence the population of onion trips. |
| | | SERCHN | 4 Apply any systemic insecticide 1.5 |
| | | (Control of the cont | ml/lt of water. |
| French bean | Flowering to | | ♣ Possibility of rain will be less coming |
| | fruiting stage | | five days. So alternate irrigation should |
| | Ji | | be done 5 days interval. |
| | 1 | A PRINCIPAL TO A | Remaining quantity of nitrogen is applied 30-40 days after sowing. |
| | | LUNGLEI | Low temperature and high humidity |
| | 1 | | influence the activity of stem rot. Apply |
| | | m Em | Hexaconazole 1.5 ml/lt of water for |
| | | 11 | better growth and development |
| Capsicum | Vegetative | Poly house | Intercultural operations should be done |
| _ | stage | | regularly to keep the crop free from |
| | | 1 55 | weeds and aeration of the root system. |
| | | | Remaining quantity of nitrogen is |
| | | LAWNGTLAN | applied 30-40 days after transplanting. |
| | | SAIHA | Provide irrigation if water is require. |
| | | 1 | Apply any systemic insecticide to |
| Deimiol | Paniting to | | reduce damage of chilli thrips. 4 According to forecast and past weather |
| Brinjal | Fruiting to | 10 P | + According to forecast and past weather |

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| | flowering | | record, there is no probability of |
|--------|---------------|--|--|
| | stage | | rainfall. So weekly twice irrigation is |
| | 1 | | required for upcoming week or use |
| | 1 | 1 | straw mulch reduces soil water loss. |
| | 1 6 | 5 | Interculture operation should be done near to the base of the plant. |
| | | KOLASIB | Apply split dose of nitrogenous |
| | (| (| fertilizer to the plant. |
| |) | GA, | Fruit and shoot borer attack will mare |
| | 8 | | in dry weather. Apply any systematic |
| |) | Smith | insecticide for better cure. |
| | | | Harvest all mature fruit. |
| | 3 | | ♣ Seed must be keep for next rabi |
| | / MAMIT | (| season. |
| Chilli | Vegetative to | Z AIZAWL Z | + According to forecast and past weather |
| | flowering | | record, there is no probability of rainfall. So weekly twice irrigation is |
| | stage | 3 | required for upcoming week or use |
| | 8 | 1 66 | straw mulch reduces soil water loss. |
| | 1 | 1 3 4 | ♣ Interculture operation should be done |
| | 100 | | near to the base of the plant. |
| | | SERCHN | 4 Apply split dose of nitrogenous |
| | | Control of the contro | fertilizer to the plant. |
| | | 1153 1166 | Mature fruit should be harvested and |
| Tomato | Flowering to | | According to forecast and past weather |
| | harvesting | | record, there is no probability of rainfall. So weekly twice irrigation is |
| | stage | A CHANGE TO | required for upcoming week or use |
| | | LUNGLEI | straw mulch reduces soil water loss. |
| | | y*** | If irrigation is not available keep grass |
| | 7 | 17 7 | and dry leaves as mulch. |
| | | | Harvest all the mature which colour |
| | (| (6 20) | change to pale yellow to red. |
| | | | Seed must be keep from self pollinated |
| | | Fruit fly | variety. ♣ In large gardens apply carbaryl 0.2 per cent |
| | | | or malathion 0.15 per cent suspension |
| | | LAWNGTLAND | containing sugar or jeggery at 10 g/l at |
| | | # SAIHA | fortnightly intervals at flowering and fruit |
| D-4-4 | TT 4 * | | initiation. |
| Potato | Harvesting | 1 2 1 | If the leaves and plant became dry it means plant ready for harvesting. |
| | | W C | |
| | | | 6 P a g e |

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| | -A | | _ | Once the furnery with the help of |
|---------------|---------------|--|-------|---|
| | stage | | - | Open the furrow with the help of |
| | | | | spade, harvest all mature tubers. Discard all mother tubers from |
| | | | - | |
| | 1. 1 | 1 | | harvested potato tubers. |
| | 1 1 | 5 | - | Keep 7 -10 days for drying or reduce |
| | | KOLASIB | | the moisture level in shed dry. |
| ANIMAL HUSBEN | IDADV | A STATE OF THE STA | | Keep 25% seed for next season sowing. |
| Pig | | WY 3 | 4 | Animals must keep in dry place or |
| Fig | All stages | 1 1 | _ | kept in alleviated area and dry bedding |
| | 3 | The second second | | (straw) to be provided to young |
| | 1 | | | animals. |
| | J | | 4 | 1st injection at 6 months of age and |
| | MAMIT | | _ | 2nd injection at 12 months of age |
| | Z. 10000000 | A CONTRACTOR OF THE PARTY OF TH | 55007 | followed by annual vaccination under |
| | 1 | Z ATZAWIL | CHAI | vet supervision against FMD. |
| | - 1 | | 4 | Reduce concentrate diet up to 5%. |
| | 1 | (| | Provide adequate potable water. |
| | 3 | 27 | 4 | In present weather conditions |
| |) 0 | - 1 4 | - | vaccinate against swine fever (Vaccines |
| | 100 | | | available in State Veterinary Departs) |
| | | Porcine | 15.1/ | Culling of positive pigs or piglets. |
| | | Reproductive | . (| |
| | V | Respiratory | - 19 | |
| | | Syndrome (PRRS). | 1 | S . |
| Cattle | All age group | | | In present weather conditions, special |
| | | Unit the second | | care should be taken against attack of |
| | | LUNGLEI | | maggots in the wounds of animals. |
| | 3 | | | Application of turpentine oil in the |
| | | 57% | | wounds followed by application of |
| | . 7 | 11 | | antibiotics for five days is advised. |
| |) | | | Provide UMB/Molases if possible in the |
| | () | 1 5 6 | | feed |
| | , | | | Provide 10-30 ml of vitamin B-Complex |
| | | 1 | | in feed |
| | | | | 1st injection at 6-8 weeks of age, 2nd |
| | | LAWNGTLAL | ١. | injection after 6 months of 1st injection |
| | | # SAIHA | | followed by annual vaccination under vet supervision. |
| | | | | Separate sick animals. |
| | | | 1 | The animal should be washed with |
| | <u> </u> | 0 10 | 10 | The animal should be washed with |
| | | 1111 | | 7 Page |

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ICAR RESEARCH COMPLEX FOR NEH REGION

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| | 5 | | lukewarm water added with little potash (KMnO4) or neem leaves. ♣ Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|----------------|---|
| Poultry | All age group | AIZAWA. SERCHH | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | | | 3 |
| | Monitoring of fish in pond | LAWNGTLALSAIHA | 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. |

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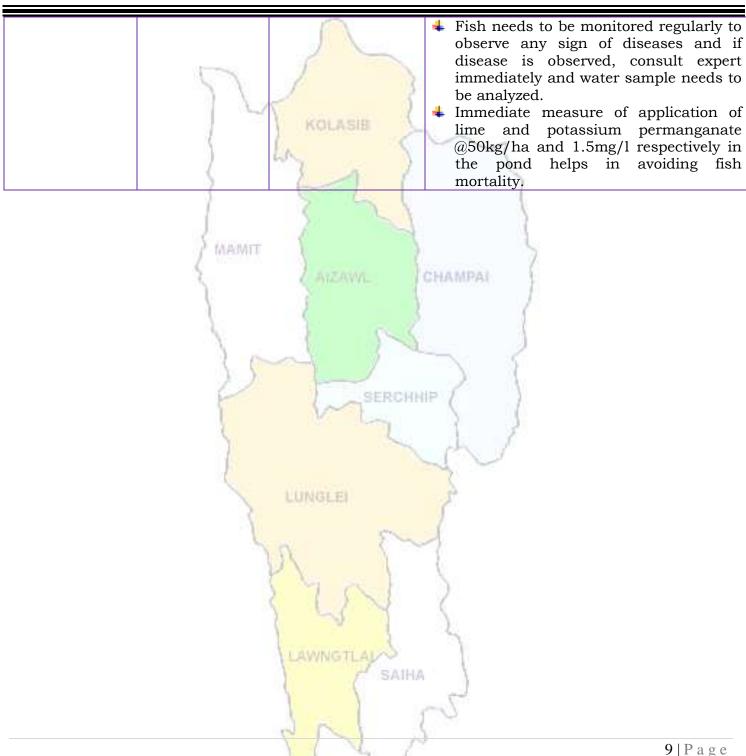


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ICAR RESEARCH COMPLEX FOR NEH REGION

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/Mizo

Date of issue: 16th February, 2018

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|-----------------|-----------------|--------------|-----------------|-----------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Partially clear | Partially clear | Mainly clear | Partially clear | Partially clear |
| Max RH (%) | 68 | 83 | 91 | 87 | 82 |
| Min RH (%) | 18 | 24 | 27 | 20 | 17 |
| Wind Speed (KmpH) | 3 | 4 | 4 | 2 | 2 |
| *Wind Direction | N-E | E | N-E | N-E | N-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 Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm

Kolasib- 0.00mm (09.40mm)

(10.31mm)Lawngtlai-0.00mm

(09.28mm)Lunglei-0.00mm

(08.44mm)Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

17th February – 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-28°C Minimum Tem. (°C):12-14°C Maximum RH (%):73-78% Minimum RH (%):48-57%

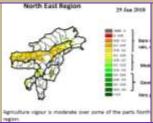
Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28°C a ni ang a. A vawh lai ber in 12-140C ni tura beisei a ni. RH san lai berin 68-91% leh a hniam lai berin 17-27% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|----------------------------|---|--|
| /Fisheries FRUITS CROPS | | Diseases | |
| KHASI MANDARIN AND ACID LIME | A kui atanga a seng hun | KOLASIB | Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh |
| BANANA | | 54 | kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. |
| PLUM AND PEACH | MAMIT | AIZAWL | ♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani. |
| PEACH | 35 | Gummosis, citrus canker, citrus greening and Dieback | Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | 5 | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | | | |
| COFFEE | All stages | LAWNGTLANSAIHA | Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. |

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| | | | Harvesting Stage |
|---------------|---------------|--|---|
| | | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | | | thin a ni. |
| | | 1 | ♣ A rah hmin tha lo ho chu nuai sawm |
| | 3 1 | 2 | hmain an thliar hrang leh vek thin ani. |
| | 1 | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| | V | borer | ani. |
| | (| U. C | ♣ Hmaih neih nuaih loh tur ani. |
| |) | Way 3 | ♣ Sneg hmaih te lakkhawma paih vek tur |
| | (| 1 1 | ani. |
| | 1 | | ♣ Seng bang zawng zawng chu uluka taka |
| | | | paih fai vek tur ani. |
| | J | 27 | ♣ A thlai vennan a rah tlai ho chu paih vek |
| | MAMIT | | tur ani. |
| | J. Instanta | 1 | Hmun dam lutukah dah loh tur. |
| | 1 | Z AIZAWL Y | Boruak tha taka a hmuh theih nan leh a |
| | | 7 | rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani. |
| | 1 |) | tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25 |
| | 1 | 1 - 1 | EC @ 340 ml/200 lit emaw lamda |
| | | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| |) 6 | | ♣ In leh loa sawngbawln a a ro dan tur |
| | 1 | | tawkah chuan: Arabica / robusta |
| | | SERCHN | |
| | | 1 | robusta cherry 11.0 %. |
| | λ | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | | dang te paihpaih vek tur ani. |
| | | | Bordeaux mixture 0.5% in February - |
| | | | March (Pre-bloom) a kah phawt a, |
| | | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| CERRALC AND | NIII CE CEORG | THE CONTRACTOR OF THE CONTRACT | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND I | | Cont. | 1 17. in in 1 in |
| Rabi Maize | A chin hun | n to | → Vaimim chinna tur atan lei kan let |
| | | 31 | phut darh anga. |
| | (| | Hei hian a rawn to chhuah na tur atan |
| | į. | | a pui dawn a ni. |
| | in the second | 1 -4 7 | 4 A chi chu kan lei leh saah chuan kan |
| | | 1 | dah ang. |
| | | Language as a | ♣ A chi chu Thiram @4 g/kg seed hian ak |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | SAIHA | ≠ 20-25 kg/ha vel a chi thlak hi a tawk |
| | | | vel viau ani. |
| | | | ♣ A chi tuh hma in lei leh FYM @5-10 |
| | | 0 10 | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | VIV | 3 P a g e |

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

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| | 5 | KOLASIB | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |
|--------------------|---------------|-----------------------|--|
| Onion and capsicum | Nursery stage | Poly house | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | | Phytopthora blight | ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. |
| French bean | Sowing stage | LUNGLEI | Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. |
| Carrot and radish | Sowing stage | LAWNGTLAUSAIHA | A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |

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| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages | KOLASIB | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. |
| | MAMIT | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Vawknote emaw vawk lak hran. |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHN | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAL | 4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. |

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| | | | 4 | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------|------------|--|------|--|
| | 5 | 1 | 4 | ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. |
| | Preventive | 0-3 rd week | 4 | Ranikhet Disease- an pian atanga ni |
| | measures | O O WCCR | | 1-6 ah F1 vaccine pek tur ani a, chuan |
| | incasures | GO) | | a puitlingh chuan R ₂ B vaccine pek tur |
| | 8 | 2 | | ani. |
| | 5 | San Land | 4 | B complex with antibodies |
| | | 4th weeks | 4 | Coccidiosis- Amprolium or |
| | 2 | | - | coccidiostat |
| | MAMIT | 4-5th Weeks | 4 | Calcium tonic fortified with B ₁₂ |
| FISHERY | 5 | 1 0 WCCRS | MILL | Calcium tome fortified with B ₁₂ |
| FISHERI | 1 20 11 | Constitute. | | |
| | Monitoring |) | - | Sangha te hi chaw a hmuar kai lo |
| | (Sangha | 2 2 7 | | chauh pek thin tur ani. Sangha chaw a |
| | enkawl) | | | lo hmuar anih chuan pek hma in ni sa |
| |) 6 | | | a phoro phawt tur ani. |
| | 10) | | - | Sangha chaw hi a hmuar lohna turin |
| | | SERCH | (IP) | hmun ro leh uap lutuk lo ah dahthat |
| | | V~ | | tur ani a, hmuar atang a tur lo inseam |
| | (| | | thin, aflatoxin avang a sangha thi lak |
| | | 1 | | atangin sangha a him phah thin. |
| | | | - | Dil sah kang veka sangha man thin |
| | | VIII VIII VIII VIII VIII VIII VIII VII | | hian a kumleh a sangha khawinan a dil |
| | | LUNGLEI | (9) | buatsaih a ti awlsam a, dil mawng |
| | 3 | | 1 | phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. |
| | | 500 | | Sangha te natna lak atangin an him em |
| | | 17 | 7 | tih enfiah fo a tha a, natna hmuh anih |
| | | | 10 | chuan mithiam te rawn vat a, diltui |
| | | 1 7 6 | | enfiah vat tur ani. |
| | | | 4 | A ranglam a chinai @50kg/ha leh |
| | | - | | tuisen @1.5mg/l diltui a hman hian |
| | | Land to the same of the same o | | sangha natna avang a thi tur lak |
| | | LAWNGTLAND | | atangin a veng thei. |
| | | f SAIHA | 1 | <u> </u> |
| | | | | c-1 |
| | | | 1 | 2 |
| | | N 1 | 5 | |

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/English Date of issue: 16th February, 2018

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|-----------------|-----------------|------------|--------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 30 | 30 | 30 | 30 | 30 |
| Min Temp (°C) | 14 | 14 | 14 | 14 | 15 |
| Cloud Coverage | Partially clear | Partially clear | Clear sky | Mainly clear | Clear sky |
| Max RH (%) | 67 | 80 | 96 | 100 | 100 |
| Min RH (%) | 18 | 25 | 27 | 19 | 18 |
| Wind Speed (KmpH) | 4 | 4 | 4 | 3 | 3 |
| *Wind Direction | E | E | E | E | N-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 Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm (10.31mm) (09.28mm) (08.44mm

0.00 mm Kolasib- 0.00mm (08.44mm) (09.40mm)

Lawngtlai-0.00mm Lunglei-0.00mm

i-0.00mm Mamit-0.00mm (09.60mm) (08.86mm)

Serchhip-0.00mm

(08.44mm)

Weather summary of the past three days

(10.88mm)

Weather forecast valid from 17thFebruary, 2018 To 21stFebruary, 2018.

Maximum Tem. (°C):24-27°C Minimum Tem. (°C):14-17°C Maximum RH (%):70-85% Minimum RH (%):44-57% Wind Direction: Southeasterly

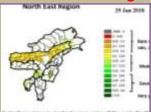
Cloud cover: Clear sky
Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30°C and 14-15°C. Maximum relative humidity is expected in the range of 67-100% and minimum may from 18-27%. Wind direction would be easterly to northeasterly with the wind speed of 3-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|-------------------|---|---|
| /Fisheries FRUITS CROPS | | Diseases | |
| KHASI MANDARIN AND ACID LIME | Flushing stage | KOLASIB | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. |
| STAR FRUIT | | \$ 1 | Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the |
| PLUM AND PEACH | MAMIT | AIZAWL | loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height. Apply Bordeaux mixture to the plant after pruning. Application of split dose of fertilizer 600: 200:100 (g/pt). |
| | 1 | Gummosis, citrus canker, citrus greening and Dieback | Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease. |
| PLANTATION CR | | - Avan | T 70 1 1 1 1 |
| COFFEE | Blooming stage | LAWNGTLAUSAIHA | ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. ♣ Mulching should be done with dry |
| | | 1174 | 2 P a g e |

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| | | | grasses near the tree base to conserve |
|---------------|---|-----------------|---|
| | | | soil moisture during winter. |
| | | F | ♣ The young fruit plant must be irrigated |
| | 1 7 | 1 | at weekly interval for better |
| |) \ | ^ | establishment. |
| | 1 | KOLASIB (| ♣ Foliar application of Mepiquat chloride |
| | 1 | NULASIB | @ 1000 PPM concentration or 0.75% |
| | 1 | La S | SSP @ 1.5 g per 200 lt of water 15 days |
| | 1 | | interval. |
| Rubber | Vegetative | | ♣ According to forecast and past weather |
| | stage | 7 | record, there is no probability of |
| | | | rainfall. So weekly irrigation is required |
| | 12 | | for upcoming week or use straw mulch |
| | MAMIT | 3 | reduces soil water loss. |
| | 5 | AIZAWL | Farmers can go for tapping upto last |
| | 1 | Visite III | week of January. |
| | 1 |) | ♣ Make fire line around the field to save |
| | 1 | 6 6 9 | from fire. |
| | 1 | | ♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) |
| | 1 6 | | between 4 plants. Store dried leaves in |
| | 7) | | the pit and after 4 months it can use as |
| | | SERCHH | manure. |
| Strawberry | Fruit | V~ | ♣ Possibility of rain will be very less. So |
| | formation to | | provide water every alternate day. |
| | harvesting | | ♣ Harvest all mature fruits or partially |
| | stage | | matured fruit |
| | | Unit the second | ♣ Periodical harvest must be done once in |
| | 277 67 67 67 67 67 67 67 67 67 67 67 67 6 | LUNGLE | a week |
| CEREALS AND I | | | * D '1''' 6 ' '111 1 |
| Rabi Maize | Harvesting | 5 | Possibility of rain will be very less. |
| | stage | 11 / 2 | Harvest all the mature cobs. |
| | | | ♣ Keep harvested cobs in sundry for 8 to |
| | | 1 37 6 | 10 days to keep the moisture level |
| | | | below 10%. |
| | | - | ♣ 25% seed will keep as seed for next |
| | | | year. |
| | | LAWNGTLAL | ♣ Parrot attacking trap should be made |
| | | # SAIHA | around field to escape crop from |
| 7 and 4:11 | D. 4 | 7 and 4:11 | damage. |
| Zero tillage | Pod | Zero tillage | Possibility of rain will be very less. So |
| Greengram | formation | 20 | provide water every alternate day. |
| | | VIV | 3 Page |
| | | - | 5 1 4 5 0 |

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| and blackgram | stage | 1 | ♣ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should |
|------------------|------------|----------------------------|--|
| | | | be done. |
| | 1 1 | 1 | ♣ Apply 2% urea solution to avoid stress |
| | 1 | 7 | condition. |
| | | KOLASIB | Provide irrigation once in a week. |
| Zero tillage | Pod | Zero tillage | Possibility of rain will be very less. So |
| Soybean | formation | W (| provide water every alternate day. |
| cultivation in | stage | | ♣ Collection and destruction of damage |
| Jhum | 3.1.8 | 5 | plant or plant part and spraying of any |
| | 1 | 5 | systemic insecticide @ 2ml/lit should |
| | 3 | | be done. |
| | / MAMIT | 1 | ♣ Apply 2% urea solution to avoid stress |
| | 1 | Z AIZAWL Z | condition. |
| | 0.11 | 1 | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | Possibility of rain will be very less. So |
| Toria | formation | 3 6 6 | provide water every alternate day. |
| | stage | | 4 Apply split dose of fertilizer for better |
| | | | growth. 4 Collection and destruction of Blister |
| | 1) | | beetles and spraying of Neem oil |
| | | SERCHN | @3ml/lit should be done. |
| | l l | | ♣ Apply split dose of fertilizer for better |
| | 1 | | growth. |
| | 1 | | Provide irrigation once in a week. |
| VEGETABLE CRO |)P | | |
| Ginger and | Harvesting | LUNGLEI | ♣ Turmeric and ginger is harvested when |
| turmeric | stage | | leaves start yellowing and ultimately |
| | | 500 | the stem dries down. |
| | | 11 | The plants are-cut close to the ground. |
| | | | ♣ The crop is irrigated lightly for easy |
| | | 135 6 | digging. |
| | | | Harvesting consists of digging of underground clumps of rhizomes |
| | | 1 | with pick axe or digging fork. |
| | | Congression and the second | Fingers are separated from mother |
| | | LAWNGTLAN | rhizomes. |
| | | # SAIHA | ■ Wash clumps of rhizomes with water |
| | | | and keep it for sundry. |
| | | | ♣ Seed stock will be store from partially |
| | | 6 | |

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| | | 17 | dry sample. |
|-------------|----------------|-----------------|---|
| | | | Cut the rhizome to small pieces for |
| | | | proper drying. |
| Early cole | Harvesting | | ♣ According to forecast and past weather |
| crop | stage | 1 | record, there is no probability of |
| СГОР | Stage | 7 | rainfall. So weekly twice irrigation is |
| | 1 | KOLASIB | required for upcoming week or use |
| | - 4 | 6. | straw mulch reduces soil water loss. |
| |) | W/2 | ♣ Harvest all mature cards. |
| | 5 | | ♣ Don't spray any kind of pesticide to the |
| | 7 | Similar | crop which creates more health hazard. |
| Onion | Bulb | Poly house | Provide irrigation every alternate day |
| | formation | | due to non availability of rain. |
| | stage | 1 | ♣ Intercultural operations should be |
| | | LAIZAWL I | done regularly to keep the crop free |
| | 1 | Assessment . | from weeds and better growth of bulb. |
| | 1 |) Y | Remaining quantity of nitrogen is |
| | 1 | 6 7 | applied 30-40 days after transplanting. |
| | 1 | | Provide irrigation if water is require. |
| | 1 | | Low temperature and high humidity |
| | 1) | | influence the population of onion trips. |
| | - | SERCHN | Apply any systemic insecticide 1.5 |
| French bean | Florroging to | V~ 1~ | ml/lt of water. ♣ Possibility of rain will be less coming |
| French bean | Flowering to | | five days. So alternate irrigation should |
| | fruiting stage | | be done 5 days interval. |
| | 1.0 | | Remaining quantity of nitrogen is |
| | | LUNGLEI | applied 30-40 days after sowing. |
| | 3 | 2007/2/2007/101 | Low temperature and high humidity |
| | 100 | 200 | influence the activity of stem rot. Apply |
| | - | 17 () | Hexaconazole 1.5 ml/lt of water for |
| | | | better growth and development |
| Capsicum | Vegetative | Poly house | Intercultural operations should be done |
| | stage | | regularly to keep the crop free from |
| | | -3 | weeds and aeration of the root system. |
| | | | Remaining quantity of nitrogen is |
| | | LAWNGTLAN | applied 30-40 days after transplanting. |
| | | SAIHA | Provide irrigation if water is require.Apply any systemic insecticide to |
| | | | reduce damage of chilli thrips. |
| Brinjal | Fruiting to | 1 | ♣ According to forecast and past weather |
| Dillijai | i ruiting to | 6 | - Theorems to infector and past weather |

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| flowering | record, there is no probability of |
|---|---|
| stage | rainfall. So weekly twice irrigation is |
| | required for upcoming week or use |
| | straw mulch reduces soil water loss. |
| | ♣ Interculture operation should be done |
| KOLASII | near to the base of the plant. |
| NOLASI | + Apply split dose of introgenous |
|) [60 | fertilizer to the plant. |
| () | Fruit and shoot borer attack will mare |
| 7 | in dry weather. Apply any systematic |
| 1 | insecticide for better cure. |
| | Harvest all mature fruit. |
| S moure (| ♣ Seed must be keep for next rabi |
| Chilli Wayattina As | Season. |
| Chilli Vegetative to | According to forecast and past weather record, there is no probability of |
| flowering | rainfall. So weekly twice irrigation is |
| stage | required for upcoming week or use |
| 4 3 | straw mulch reduces soil water loss. |
| | Interculture operation should be done |
| | near to the base of the plant. |
| | Ample amilit dags of mitrogram area |
| | fertilizer to the plant. |
| | Mature fruit should be harvested and |
| Tomato Flowering to | ♣ According to forecast and past weather |
| harvesting | record, there is no probability of |
| stage | rainfall. So weekly twice irrigation is |
| LUNGLEI | required for upcoming week or use |
| 3 | straw mulch reduces soil water loss. |
| | If irrigation is not available keep grass |
| 7.0 | and dry leaves as mulch. |
| | Harvest all the mature which colour |
| | change to pale yellow to red. |
| | Seed must be keep from self pollinated |
| Fruit 1 | variety. In large gardens apply carbaryl 0.2 per cent |
| VIII 10 10 10 10 10 10 10 10 10 10 10 10 10 | or malathion 0.15 per cent suspension |
| LAWNGTL | containing sugar or jeggery at 10 g/l at |
| | fortnightly intervals at flowering and fruit |
| | initiation. |
| Potato Harvesting | If the leaves and plant became dry it |
| W N | means plant ready for harvesting. |

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| | n4 c | | Open the furnery with the last |
|---------------|---------------|--|---|
| | stage | | ♣ Open the furrow with the help of |
| | | | spade, harvest all mature tubers. Discard all mother tubers from |
| | | | ♣ Discard all mother tubers from harvested potato tubers. |
| | 1. 1 | F 3 | <u> </u> |
| | 1 1 | 5 | ♣ Keep 7 -10 days for drying or reduce |
| | | KOLASIB | the moisture level in shed dry. |
| ANIMAL HUSBEN | IDADV | | ★ Keep 25% seed for next season sowing. |
| Pig | | WY 3 | ♣ Animals must keep in dry place or |
| Fig | All stages | 2 1 | kept in alleviated area and dry bedding |
| | 3 | Control of the second | (straw) to be provided to young |
| | Į. | | animals. |
| | | | ■ 1st injection at 6 months of age and |
| | MAMIT | | 2nd injection at 12 months of age |
| | Z. 1775-1773 | A CONTRACTOR OF THE PARTY OF TH | followed by annual vaccination under |
| | 1 | (AIZAWL) | vet supervision against FMD. |
| | 1 | 1 | Reduce concentrate diet up to 5%. |
| | \ | () | ♣ Provide adequate potable water. |
| | 1 | 127 | ☐ In present weather conditions ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ |
| |) 0 | V 2 4 | vaccinate against swine fever (Vaccines |
| | 100 | | available in State Veterinary Departs) |
| | | Porcine | 1. Culling of positive pigs or piglets. |
| | | Reproductive | |
| | V | Respiratory | 1 2 |
| | | Syndrome (PRRS). | |
| Cattle | All age group | | In present weather conditions, special |
| | | 0.000000=000 | care should be taken against attack of |
| | | LUNGLEI | maggots in the wounds of animals. |
| | 3 | | Application of turpentine oil in the |
| | | 5 | wounds followed by application of |
| | . 7 | 11 / 2 | antibiotics for five days is advised. |
| | | | Provide UMB/Molases if possible in the |
| | | 155 | feed |
| | , | | Provide 10-30 ml of vitamin B-Complex in feed |
| | | (=0 | □ 1st injection at 6-8 weeks of age, 2nd |
| | | Variation of the second | injection after 6 months of 1st injection |
| | | LAWNGTLAN | followed by applied receipation under |
| | | SAIHA | vet supervision. |
| | | | Separate sick animals. |
| | | 1 | The animal should be washed with |
| | | 6 | |
| | | 11 14 1 | 7 Page |

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| | 5 | lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|---|
| Poultry | All age group | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | (3) | A C |
| | Monitoring of fish in pond | 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. |

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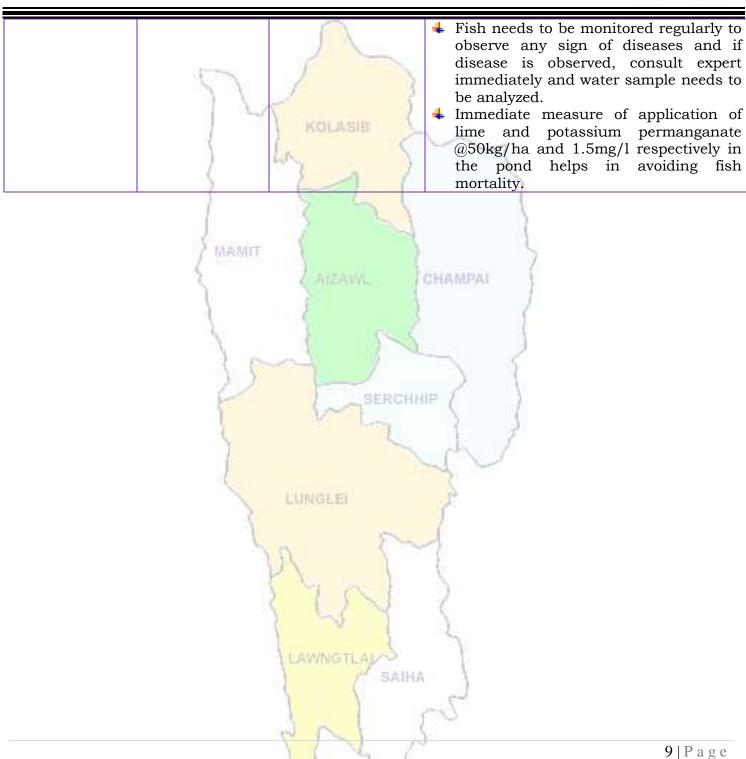


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SAIHA

LAWNGTLAL

10 | P a g e

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District: Lunglei Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/Mizo

| | 1.0 | P | 1 | | |
|-------------------|-----------------|-----------------|------------|--------------|------------|
| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 30 | 30 | 30 | 30 | 30 |
| Min Temp (°C) | 14 | 14 | 14 | 14 | 15 |
| Cloud Coverage | Partially clear | Partially clear | Clear sky | Mainly clear | Clear sky |
| Max RH (%) | 67 | 80 | 96 | 100 | 100 |
| Min RH (%) | 18 | 25 | 27 | 19 | 18 |
| Wind Speed (KmpH) | 4 | 4 | 4 | 3 | 3 |
| *Wind Direction | E | E | E | E | N-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 Post Monsoon- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

(12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):24-27°C

Minimum Tem. (°C):14-17°C Maximum RH (%):70-85%

Minimum RH (%):44-57%
Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

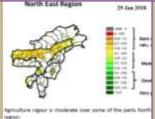
17th February – 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 16th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 67-100% leh a hniam lai berin 18-27% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|----------------------------|---|--|
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI MANDARIN AND ACID LIME | A kui atanga a seng hun | KOLASIB | Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. |
| BANANA STAR FRUIT |] | 374 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha |
| PLUM AND PEACH | MAMIT | AIZAWL | taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani. |
| PEACIT | 35 | Gummosis, citrus canker, citrus greening and Dieback | Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | 5 | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | OP | | |
| COFFEE | All stages | LAWNGTLALSAIHA | Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. |

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| | | | Harvesting Stage |
|---------------|---------------|--|---|
| | | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | | | thin a ni. |
| | | / | ♣ A rah hmin tha lo ho chu nuai sawm |
| | 3 1 | 2 | hmain an thliar hrang leh vek thin ani. |
| | 1 | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| | | borer | ani. |
| | (| l | |
| |) | Wy 3 | ♣ Sneg hmaih te lakkhawma paih vek tur |
| | 8 | 1 1 | ani. |
| | 3 | | ♣ Seng bang zawng zawng chu uluka taka |
| | f. | | paih fai vek tur ani. |
| | J. | | ♣ A thlai vennan a rah tlai ho chu paih vek |
| | MAMIT | | tur ani. |
| | 7 1000000 | | Hmun dam lutukah dah loh tur. |
| | 3. | Z AIZAVIL I | Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk |
| | | 2 | tak a hlawi tur ani. |
| | 1 | 1 | + Chuan hei hian kah tur ani. Quinalphos 25 |
| | 1 | 1 6 / | EC @ 340 ml/200 lit emaw lamda |
| | | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| | 1 6 | | In leh loa sawngbawln a a ro dan tur |
| | 1 | | tawkah chuan: Arabica / robusta |
| | | SERCHN | parchment 10 %, Arabica cherry 10.5 % leh |
| | | | robusta cherry 11.0 %. |
| | \ \ | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | | dang te paihpaih vek tur ani. |
| | | | Bordeaux mixture 0.5% in February - |
| | 77 | | March (Pre-bloom) a kah phawt a, |
| | | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| CEREALS AND I | DIII CE CDODC | THE PARTY OF THE P | monsoon) ah kah chhunzawm tur ani. |
| Rabi Maize | A chin hun | 500 | ✓ Vaimim chinna tur atan lei kan let |
| Rabi Maize | A CHIII Hull | 17 | phut darh anga. |
| | | | Hei hian a rawn to chhuah na tur atan |
| | () | (4 7) | a pui dawn a ni. |
| | | | ♣ A chi chu kan lei leh saah chuan kan |
| | |) -3] | |
| | | 1 | dah ang. |
| | | LAWNGTLAN | 4 A chi chu Thiram @4 g/kg seed hian ak |
| | | The state of the s | sawngbawl hmasa anga. |
| | | (SMITH | 4 20-25 kg/ha vel a chi thlak hi a tawk |
| | | | vel viau ani. |
| | | A S I | A chi tuh hma in lei leh FYM @5-10 |
| | | 60 | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | ı | 1/1/ | 3 P a g e |

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| | 7 | | K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. |
|--|-----------------------------|--------------|--|
| Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow | All stage | Zero tillage | A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani. |
| Potato | Sowing stage | AIZAWL | Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani. |
| VEGETABLE CR | | | ### 1911 1 911 1: |
| Tomato | Bacterial Blight disease | LUNGLEI | Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani . |
| Early Cole crop | Black spot disease | LAWNGTLAL | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn |

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| | 5 | KOLASIB | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |
|--------------------|---------------|-----------------------|--|
| Onion and capsicum | Nursery stage | Poly house | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | | Phytopthora blight | ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. |
| French bean | Sowing stage | LUNGLEI | Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. |
| Carrot and radish | Sowing stage | LAWNGTLANSAIHA | A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |

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| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages | KOLASIB | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. |
| | MAMIT | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Vawknote emaw vawk lak hran. |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHN | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAL | 4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. |

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| | | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------------------------------------|--|---|
| 57 | 1 | ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. |
| Preventive | 0-3 rd week | Ranikhet Disease- an pian atanga ni |
| measures | / ₄ | 1-6 ah F1 vaccine pek tur ani a, chuan |
| 1110434103 | (A) | a puitlingh chuan R ₂ B vaccine pek tur |
| 5 | | ani. |
| (5) | 5 | ♣ B complex with antibodies |
| 1 | 4th weeks | 4 Coccidiosis- Amprolium or |
| | | coccidiostat |
|) MANUT | 4-5 th Weeks | ♣ Calcium tonic fortified with B ₁₂ |
| EIGHEDV | T-0 WCCRS | + Calcium torric fortified with B ₁₂ |
| FISHERY | Conemic 1 | GENEROUSE) |
| Monitoring |) | Sangha te hi chaw a hmuar kai lo |
| (Sangha | | chauh pek thin tur ani. Sangha chaw a |
| enkawl) | | lo hmuar anih chuan pek hma in ni sa |
|) 6 | | a phoro phawt tur ani. |
| 1 | | ♣ Sangha chaw hi a hmuar lohna turin |
| | SERCH | hmun ro leh uap lutuk lo ah dahthat |
| | | tur ani a, ninuar atang a tur io inseam |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 100 | thin, aflatoxin avang a sangha thi lak |
| | | atangin sangha a him phah thin. |
| 1 | | → Dil sah kang veka sangha man thin |
| | | hian a kumleh a sangha khawinan a dil |
| | LUNGLEI | buatsaih a ti awlsam a, dil mawng |
| 3 | T. P. S. | phoro, chinai phul, leitha hman leh tul |
| | (mc | dang in dil buatsaih tur ani. |
| | 101 | Sangha te natna lak atangin an him em |
| | | tih enfiah fo a tha a, natna hmuh anih |
| | (19 20) | chuan mithiam te rawn vat a, diltui |
| | | enfiah vat tur ani. |
| | 20 1 | A ranglam a chinai @50kg/ha leh |
| | | tuisen @1.5mg/l diltui a hman hian |
| | LAWNGTLAN | sangha natna avang a thi tur lak |
| | SAIH | atangin a veng thei. |
| | | |
| | | and I |
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/English Date of issue: 16th February, 2018

| | | 1 | | | |
|-------------------|---------------|-----------------|------------|--------------|--------------|
| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 29 | 29 | 29 | 28 | 29 |
| Min Temp (°C) | 13 | 13 | 13 | 14 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Mainly clear | Mainly clear |
| Max RH (%) | 91 | 99 | 87 | 100 | 98 |
| Min RH (%) | 22 | 26 | 22 | 19 | 19 |
| Wind Speed (KmpH) | 2 | 2 | 3 | 2 | 3 |
| *Wind Direction | S-E | S-E | E | S-E | E |
| | | | | | |

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm) Mamit-0.00mm (09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):15-18°C Maximum RH (%):75-84%

Minimum RH (%):46-55% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 17thFebruary, 2018 To 21stFebruary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 13-14°C. Maximum relative humidity is expected in the range of 87-100% and minimum may from 19-26%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Region 24 Au 3

Mildly 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 |
|---------------------------------------|-------------------|---|---|
| FRUITS CROPS | | Diseases | |
| KHASI MANDARIN AND ACID LIME | Flushing stage | KOLASIB | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. |
| STAR FRUIT | | 3-6 | ♣ Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the |
| PLUM AND PEACH | MAMIT | AIZAWL | loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height. Apply Bordeaux mixture to the plant after pruning. Application of split dose of fertilizer 600: 200:100 (g/pt). |
| | 1 | Gummosis, citrus canker, citrus greening and Dieback | Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease. |
| PLANTATION CR | | | |
| COFFEE | Blooming stage | LAWNGTLAUSAIHA | ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. ♣ Mulching should be done with dry |
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| | | | | grasses near the tree base to conserve soil moisture during winter. |
|---------------|---------------|--------------|-----|---|
| | | | 4 | The young fruit plant must be irrigated |
| | 1 | 1 | | at weekly interval for better |
| | 1 | 5 | | establishment. |
| | | KOLASIB | | Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% |
| | (| | 3 | SSP @ 1.5 g per 200 lt of water 15 days |
| |) | 60°) | | interval. |
| Rubber | Vegetative | | 4 | According to forecast and past weather |
| | stage | 2 5 | | record, there is no probability of |
| | | | | rainfall. So weekly irrigation is required |
| | \$ MAMIT | | | for upcoming week or use straw mulch reduces soil water loss. |
| | 2 11100000 | 1 | 24 | Farmers can go for tapping upto last |
| | 1 | (AIZAVVL) | | week of January. |
| | 1 | 3 | 4 | Make fire line around the field to save |
| | 3 | S | | from fire. |
| | 1 | 1 195 | - | Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) |
| | 2 6 | | | between 4 plants. Store dried leaves in |
| |) | | | the pit and after 4 months it can use as |
| Strawberry | Fruit | SERCHH | 1 | manure. Possibility of rain will be very less. So |
| Strawberry | formation to | V L | | provide water every alternate day. |
| | harvesting | | 4 | Harvest all mature fruits or partially |
| | stage | | | matured fruit |
| | stage | | + | Periodical harvest must be done once in |
| CEDEALC AND I | NIII CE CDODG | LUNGLEI | | a week |
| CEREALS AND I | Harvesting | | 4 | Possibility of rain will be very less. |
| Naui Maize | stage | m Em | | Harvest all the mature cobs. |
| | stage | 11 | | Keep harvested cobs in sundry for 8 to |
| | (| Car See V | | 10 days to keep the moisture level |
| | | 3 1 3 3 3 | | below 10%. |
| | | -5 | 4 | 25% seed will keep as seed for next |
| | | | -1- | year. |
| | | LAWNGTLAN | * | Parrot attacking trap should be made |
| | | SAIHA | | around field to escape crop from damage. |
| Zero tillage | Pod | Zero tillage | 4 | Possibility of rain will be very less. So |
| Greengram | formation | | e . | provide water every alternate day. |
| | | | | |

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| and blackgram | stage | 1 | ♣ Collection and destruction of damage plant or plant part and spraying of any systemic inserticide. ② ml/lit should |
|------------------|------------|--|--|
| | | | systemic insecticide @ 2ml/lit should be done. |
| | 7.1 | 8 | ♣ Apply 2% urea solution to avoid stress |
| | | () | condition. |
| | | KOLASIB | Provide irrigation once in a week. |
| Zero tillage | Pod | Zero tillage | ♣ Possibility of rain will be very less. So |
| Soybean | formation | W) | provide water every alternate day. |
| cultivation in | stage | | ♣ Collection and destruction of damage |
| Jhum | Jugo | Same | plant or plant part and spraying of any |
| | | 5 | systemic insecticide @ 2ml/lit should |
| | 3 | | be done. |
| | J' MAMIT | 1 | ♣ Apply 2% urea solution to avoid stress |
| | § | AIZAWL I | condition. |
| | | 1 | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | ♣ Possibility of rain will be very less. So |
| Toria | formation | 3 26 | provide water every alternate day. |
| | stage | | Apply split dose of fertilizer for better |
| | | | growth. Collection and destruction of Blister |
| | 1) | | beetles and spraying of Neem oil |
| | | SERCHN | @3ml/lit should be done. |
| | Į. | V Lang | ♣ Apply split dose of fertilizer for better |
| | - | | growth. |
| | 1 | | Provide irrigation once in a week. |
| VEGETABLE CRO |)P | | |
| Ginger and | Harvesting | LUNGLEI | ♣ Turmeric and ginger is harvested when |
| turmeric | stage | The second secon | leaves start yellowing and ultimately |
| | | 5% | the stem dries down. |
| | 7 | 11 | The plants are-cut close to the ground. |
| | | | ♣ The crop is irrigated lightly for easy |
| | | 155 | digging. |
| | | | Harvesting consists of digging of underground clumps of rhizomes |
| | | 30 | underground clumps of rhizomes with pick axe or digging fork. |
| | | American Control of the Control of t | Fingers are separated from mother |
| | | LAWNGTLAN | rhizomes. |
| | | # SAIHA | ■ Wash clumps of rhizomes with water |
| | | | and keep it for sundry. |
| | | 1 = 1 | Seed stock will be store from partially |
| | | 6 | 1 |

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| | | | dry sample. Lut the rhizome to small pieces for |
|-------------|----------------|--|---|
| | | | proper drying. |
| Early cole | Harvesting | / | ♣ According to forecast and past weather |
| crop | stage | 2 | record, there is no probability of |
| | | V | rainfall. So weekly twice irrigation is |
| | 1 | KOLASIB | required for upcoming week or use |
| | 1 | la S | straw mulch reduces soil water loss. |
| | 1 | 7 | ♣ Harvest all mature cards. |
| |) | | ♣ Don't spray any kind of pesticide to the |
| |) | STES | crop which creates more health hazard. |
| Onion | Bulb | Poly house | ♣ Provide irrigation every alternate day |
| | formation | / | due to non availability of rain. |
| | stage | 1 7 | ♣ Intercultural operations should be |
| | \$ | A AIZAWL | done regularly to keep the crop free |
| | 7 | A STATE OF THE STA | from weeds and better growth of bulb. |
| |) |) } | Remaining quantity of nitrogen is |
| | 16 | 1 6 1 | applied 30-40 days after transplanting. |
| | - 1 | | Provide irrigation if water is require. |
| | 1 | | Low temperature and high humidity |
| | 1) | | influence the population of onion trips. |
| | | SERCHN | Apply any systemic insecticide 1.5 ml/lt of water. |
| French bean | Flowering to | | ♣ Possibility of rain will be less coming |
| Fiench bean | fruiting stage | | five days. So alternate irrigation should |
| | Truiting stage | | be done 5 days interval. |
| | | | Remaining quantity of nitrogen is |
| | | LUNGLEI | applied 30-40 days after sowing. |
| | 3 | 2277222222 | Low temperature and high humidity |
| | 5./ | 200 | influence the activity of stem rot. Apply |
| | 5 | 17 | Hexaconazole 1.5 ml/lt of water for |
| | | | better growth and development |
| Capsicum | Vegetative | Poly house | 4 Intercultural operations should be done |
| | stage | | regularly to keep the crop free from |
| | | 30 | weeds and aeration of the root system. |
| | | | Remaining quantity of nitrogen is |
| | | LAWNGTLAU | applied 30-40 days after transplanting. |
| | | SAIHA | Provide irrigation if water is require.Apply any systemic insecticide to |
| | | | Apply any systemic insecticide to reduce damage of chilli thrips. |
| Brinjal | Fruiting to | 1 | According to forecast and past weather |
| Dimjar | Fruiting to | 0 0 | - According to forceast and past weather |

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| | flowering | | record, there is no probability of |
|--------|---------------|--|---|
| | stage | | rainfall. So weekly twice irrigation is |
| | | | required for upcoming week or use |
| | 1 1 | 1 | straw mulch reduces soil water loss. |
| | 1 \ | 5 | Interculture operation should be done |
| | | KOLASIB | near to the base of the plant. |
| | - (| | Apply split dose of nitrogenous fertilizer to the plant. |
| |) | W. | Fruit and shoot borer attack will mare |
| | (| 1 1 | in dry weather. Apply any systematic |
| | 3 | The same of the sa | insecticide for better cure. |
| | 1 | | ♣ Harvest all mature fruit. |
| | | / | ♣ Seed must be keep for next rabi |
| | MADAIT | | season. |
| Chilli | Vegetative to | AIZAWA_ / | According to forecast and past weather |
| | flowering | Constant 1 | record, there is no probability of |
| | stage |) | rainfall. So weekly twice irrigation is |
| | 16 | 6 6 6 | required for upcoming week or use |
| | 1 | | straw mulch reduces soil water loss. |
| | 1 (| | Interculture operation should be done near to the base of the plant. |
| | 1) | | Apply split dose of nitrogenous |
| | - | SERCHN | fertilizer to the plant. |
| | - | | Mature fruit should be harvested and |
| Tomato | Flowering to | | According to forecast and past weather |
| | harvesting | (1) | record, there is no probability of |
| | stage | | rainfall. So weekly twice irrigation is |
| | | LUNGLEI | required for upcoming week or use |
| | 3 | | straw mulch reduces soil water loss. |
| | | 500 | If irrigation is not available keep grass |
| | | 11 | and dry leaves as mulch. Harvest all the mature which colour |
| |) | | change to pale yellow to red. |
| | | 7 0 | Seed must be keep from self pollinated |
| | | 1 50 4 | variety. |
| | | Fruit fly | ♣ In large gardens apply carbaryl 0.2 per cent |
| | | LAWNGTLAN | or malathion 0.15 per cent suspension |
| | | SAIHA | containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit |
| | | | initiation. |
| Potato | Harvesting | | If the leaves and plant became dry it |
| | | 2 5 | means plant ready for harvesting. |
| | | 112 | 6 P a g e |

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| | | | Open the framerthe the 11 |
|---------------|---------------------------------------|--|--|
| | stage | | 4 Open the furrow with the help of |
| | | | spade, harvest all mature tubers. Discard all mother tubers from |
| | | | |
| | 1. 1 | 1 | harvested potato tubers. |
| | 1 1 | 5 | ♣ Keep 7 -10 days for drying or reduce |
| | | KOLASIB | the moisture level in shed dry. |
| ANIMAL HUSBEI | NDADV | | ★ Keep 25% seed for next season sowing. |
| Pig | | WY 3 | ♣ Animals must keep in dry place or |
| rig | All stages | 1 1 | kept in alleviated area and dry bedding |
| | 3 | The second second | (straw) to be provided to young |
| | - I | | animals. |
| | | | ■ 1st injection at 6 months of age and |
| | MAMIT | | 2nd injection at 12 months of age |
| | Z 10000000 | A CONTRACTOR OF THE PARTY OF TH | followed by annual vaccination under |
| | 1 | (AIZAWL) | vet supervision against FMD. |
| | | | Reduce concentrate diet up to 5%. |
| | 1 | () | Provide adequate potable water. |
| | 1 | 127 | ♣ In present weather conditions ■ The second conditions of the secon |
| |) 0 | 7 3 4 | vaccinate against swine fever (Vaccines |
| | 100 | | available in State Veterinary Departs) |
| | | Porcine | 1. Culling of positive pigs or piglets. |
| | | Reproductive | |
| | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Respiratory | 1 3 |
| | | Syndrome (PRRS). | da s |
| Cattle | All age group | | In present weather conditions, specia |
| | 1 | NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, | care should be taken against attack o |
| | | LUNGLEI | maggots in the wounds of animals |
| | 3 | | Application of turpentine oil in the |
| | | 500 | wounds followed by application of |
| | | 11 | antibiotics for five days is advised. |
| | | | Provide UMB/Molases if possible in the |
| | 1 | 135 6 | feed Provide 10 20 ml of vitamin B Compley |
| | , | | Provide 10-30 ml of vitamin B-Complex in feed |
| | | 1 | ♣ 1 st injection at 6-8 weeks of age, 2nd |
| | | Control of the Contro | injection after 6 months of 1st injection |
| | | LAWNGTLAN | followed by appual vaccination under |
| | | SAIHA | vet supervision. |
| | | | Separate sick animals. |
| | | 1 | The animal should be washed with |
| | I. | 6 1 | |
| | | 1 4 6 | 7 Page |

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| | 5 | lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|---|
| Poultry | All age group | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | | A C |
| | Monitoring of fish in pond | 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. |

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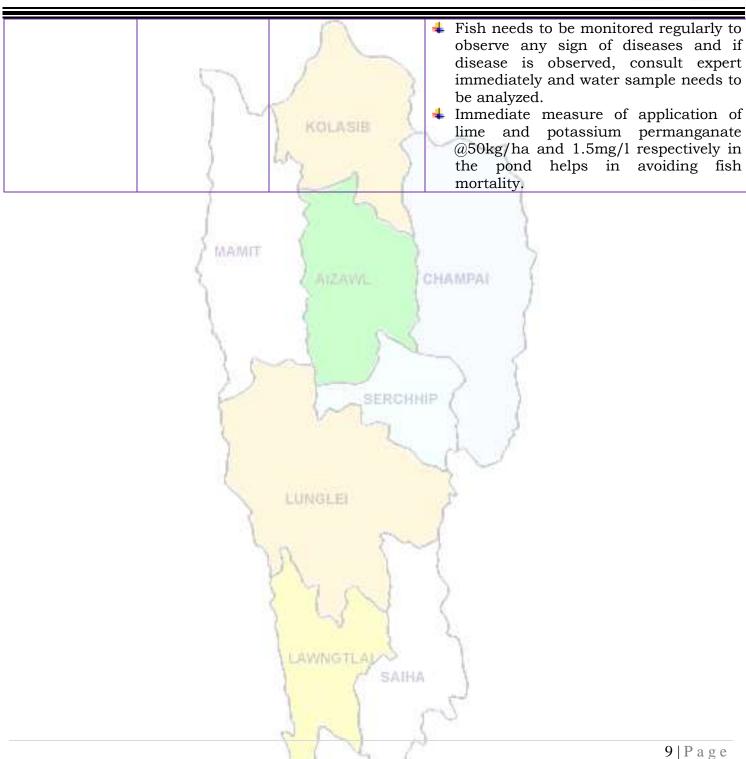


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SAIHA

LAWNGTLAL

10 | P a g e

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District: Mamit Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/Mizo

| | 1.0 | P | 1 | | |
|-------------------|---------------|-----------------|------------|--------------|--------------|
| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 29 | 29 | 29 | 28 | 29 |
| Min Temp (°C) | 13 | 13 | 13 | 14 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Mainly clear | Mainly clear |
| Max RH (%) | 91 | 99 | 87 | 100 | 98 |
| Min RH (%) | 22 | 26 | 22 | 19 | 19 |
| Wind Speed (KmpH) | 2 | 2 | 3 | 2 | 3 |
| *Wind Direction | S-E | S-E | E | S-E | E |

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Cham

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)

Lawngtlai-0.00mm

Lunglei-0.00mm

Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):26-27°C Minimum Tem. (°C):15-17°C Maximum RH (%):70-98%

Minimum RH (%):46-58% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

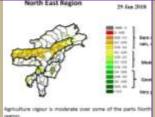
17th February – 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 16th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 87-100% leh a hniam lai berin 19-26% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------|----------------------------|---|--|
| /Fisheries FRUITS CROPS | | Diseases | |
| KHASI | A levi stance | J | ♣ Thlasik laia thlai bul khoro lutuk tur |
| MANDARIN AND ACID LIME | A kui atanga a seng hun | KOLASIB | vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. |
| BANANA STAR FRUIT | } | 374 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha |
| PLUM AND | MAMIT | AIZAWL) | taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah |
| PEACH | } | 3 | keh tur lakah t a veng thei ani. |
| | 35 | Gummosis, citrus canker, citrus greening and Dieback | Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | 5 | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | OP | | |
| COFFEE | All stages | LAWNGTLANSAIHA | Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. |

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| | | | Harvesting Stage |
|-------------|--------------|--|---|
| | | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | | | thin a ni. |
| | | / | ♣ A rah hmin tha lo ho chu nuai sawm |
| | 3 1 | 2 | hmain an thliar hrang leh vek thin ani. |
| | 1 | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| | V | borer | ani. |
| | (| (| ♣ Hmaih neih nuaih loh tur ani. |
| |) | Wy 3 | ♣ Sneg hmaih te lakkhawma paih vek tur |
| | 8 | 1 1 | ani. |
| | 1 | | ♣ Seng bang zawng zawng chu uluka taka |
| | | | paih fai vek tur ani. |
| | J | | ♣ A thlai vennan a rah tlai ho chu paih vek |
| | MAMIT | | tur ani. |
| | J. Instanti | 1 | Hmun dam lutukah dah loh tur. |
| | 7 | Z AIZAVVL Z | Boruak tha taka a hmuh theih nan leh a |
| | | 7 | rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani. |
| | 1 |) | tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25 |
| | 1 | 1 - 1 | EC @ 340 ml/200 lit emaw lamda |
| | | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| |) 6 | | ↓ In leh loa sawngbawln a a ro dan tur |
| | 1 | | tawkah chuan: Arabica / robusta |
| | | SERCHN | |
| | | 1 | robusta cherry 11.0 %. |
| | λ | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | | dang te paihpaih vek tur ani. |
| | | | Bordeaux mixture 0.5% in February - |
| | | | March (Pre-bloom) a kah phawt a, |
| | | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| CERRALC AND | NIII CE CECE | THE PARTY OF THE P | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND | | Cont. | 37. had a second and 1.1 1 and 1.4 |
| Rabi Maize | A chin hun | 7 () | 4 Vaimim chinna tur atan lei kan let |
| | | | phut darh anga. |
| | (| | Hei hian a rawn to chhuah na tur atan |
| | l l | | a pui dawn a ni. |
| | N N | 3 -5 7 | 4 A chi chu kan lei leh saah chuan kan |
| | | 1 | dah ang. |
| | | Leavanner as al | 4 A chi chu Thiram @4 g/kg seed hian ak |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | SAIHA | 4 20-25 kg/ha vel a chi thlak hi a tawk |
| | | | vel viau ani. |
| | | | A chi tuh hma in lei leh FYM @5-10 |
| | | 0 0 | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | VIV | 3 P a g e |

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

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| | 5 | KOLASIE | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |
|--------------------|---------------|-----------------------|--|
| Onion and capsicum | Nursery stage | Poly house | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | | Phytopthora blight | ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. |
| French bean | Sowing stage | LUNGLEI | Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. |
| Carrot and radish | Sowing stage | LAWNGTLANSAIHA | A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |

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| ANIMAL HUSBE | ENDARY | | |
|--------------|----------------------|---------------------------------|---|
| Pig | All stages | Porcine | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran. |
| | 3 MAINIT | Reproductive | 1 |
| | 7 | Respiratory | 1 |
| | 1 | Syndrome (PRRS). | CHAMPAI) |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, |
| | | 1 54 | chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHH | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani. |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAN | This informa atam chinawina tha tawn |
| | | | tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani. |

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| | | | 4 | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------|----------------------------------|-------------------------|-------|---|
| | 5 | | 4 | ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. |
| | Preventive measures | 0-3 rd week | ± | Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies |
| | } | 4th weeks | + | Coccidiosis- Amprolium or coccidiostat |
| | Memi | 4-5 th Weeks | | Calcium tonic fortified with B ₁₂ |
| FISHERY | 1 | (AIZAWL | CH | IMPAI } |
| | Monitoring (Sangha enkawl) | LUNGLEI | + + + | Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei. |
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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 17 February - 21 February, 2018

Date of issue: 16th February, 2018 Bulletin No: - 771/2018/ Bulletin/English

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|-----------------|--------------|--------------|------------|--------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 29 | 29 | 29 | 28 | 29 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Partially clear | Mainly clear | Mainly clear | Clear sky | Mainly clear |
| Max RH (%) | 48 | 76 | 72 | 78 | 60 |
| Min RH (%) | 16 | 22 | 27 | 21 | 15 |
| Wind Speed (KmpH) | 4 | 4 | 4 | 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.

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 0.00mm Aizawl- 0.00mm

Saiha- 0.00 mm (08.44mm) Kolasib- 0.00mm (09.40mm)

(08.44mm)

(10.31mm)Lawngtlai-0.00mm

(09.28mm)Lunglei-0.00mm

(09.60mm)

Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)Weather summary of the past

three days Maximum Tem. (°C):23-25°C Minimum Tem. (°C):13-16°C

Maximum RH (%):72-89% Minimum RH (%):46-54%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 17th February, 2018 To 21stFebruary, 2018.

(08.86mm)

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29°C and 12-14°C. Maximum relative humidity is expected in the range of 48-78% and minimum may from 15-27%. Wind direction would be easterly with the wind speed of 4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|-------------------|---|---|
| /Fisheries FRUITS CROPS | | Diseases | |
| KHASI MANDARIN AND ACID LIME | Flushing stage | KOLASIB | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch |
| STAR FRUIT | | £4 (| reduces soil water loss. Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the |
| PLUM AND PEACH | MAMIT | AIZAWL | loss of healthy foliage. The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height. Apply Bordeaux mixture to the plant after pruning. Application of split dose of fertilizer 600: 200:100 (g/pt). |
| | 1 | Gummosis, citrus canker, citrus greening and Dieback | Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease. |
| PLANTATION CR | | | |
| COFFEE | Blooming stage | LAWNGTLALSAIHA | ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. ♣ Mulching should be done with dry |
| | | TIN 1 | 2 P a g e |

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | P a g e

| | | KOLASIB | grasses near the tree base to conserve soil moisture during winter. 4 The young fruit plant must be irrigated at weekly interval for better establishment. 4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. |
|---------------|--|----------------|---|
| Rubber | Vegetative stage | AIZAWL SERVICE | According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure. |
| Strawberry | Fruit formation to harvesting stage | LUNGLEI | Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit Periodical harvest must be done once in a week |
| CEREALS AND I | | | T T 11 11 1 |
| Rabi Maize | Harvesting stage | LAWNGTLAUSAIHA | damage. |
| Zero tillage | Pod | Zero tillage | + Possibility of rain will be very less. So |
| Greengram | formation | | provide water every alternate day. |

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



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| and blackgram | stage | | Collection and destruction of damage plant or plant part and spraying of any |
|------------------|------------|--|---|
| | | 1 | systemic insecticide @ 2ml/lit should |
| | 1 | 1 | be done. |
| | 1 | 5 | ♣ Apply 2% urea solution to avoid stress condition. |
| | | KOLASIB | ♣ Provide irrigation once in a week. |
| Zero tillage | Pod | 1 | Possibility of rain will be very less. So |
| Soybean | formation | Zero tillage | provide water every alternate day. |
| cultivation in | stage | 2 | ♣ Collection and destruction of damage |
| Jhum | stage | | plant or plant part and spraying of any |
| Juni | 1 | | systemic insecticide @ 2ml/lit should |
| | 2 | | be done. |
| |) MAMIT | (| ♣ Apply 2% urea solution to avoid stress |
| | 5 | LAIZAWL I | condition. |
| | | | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | Possibility of rain will be very less. So |
| Toria | formation | 3 26 | provide water every alternate day. |
| | stage | | Apply split dose of fertilizer for better growth. |
| | 1 | | |
| | 1) | | hootles and apporting of Noom oil |
| | | SERCHH | @3ml/lit should be done. |
| | 1 | The state of the s | Apply split dose of fertilizer for better |
| | | | growth. |
| | - 1 | 9.5 | Provide irrigation once in a week. |
| VEGETABLE CRO | | N. 11 | |
| Ginger and | Harvesting | LUNGLEI | ♣ Turmeric and ginger is harvested when |
| turmeric | stage | | leaves start yellowing and ultimately the stem dries down. |
| | | 500 | The plants are-cut close to the ground. |
| | | 17 | ♣ The crop is irrigated lightly for easy |
| | | P \ | digging. |
| | | 7 7 | Harvesting consists of digging of |
| | | 1 65 4 | underground clumps of rhizomes |
| | | | with pick axe or digging fork. |
| | | LAWNGTLAN | Fingers are separated from mother |
| | | SAIHA | rhizomes. |
| | | | ♣ Wash clumps of rhizomes with water |
| | | | and keep it for sundry. |
| | | 2 5 | ♣ Seed stock will be store from partially |

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



| | | | dry sample. Lut the rhizome to small pieces for |
|-------------|----------------|---|---|
| | | | proper drying. |
| Early cole | Harvesting | / | ♣ According to forecast and past weather |
| crop | stage | 2 | record, there is no probability of |
| • | | V comment | rainfall. So weekly twice irrigation is |
| | 1 | KOLASIB | required for upcoming week or use |
| | 1 | LA | straw mulch reduces soil water loss. |
| | / | 7 4 7 | Harvest all mature cards. |
| | 7 | | ♣ Don't spray any kind of pesticide to the |
| | - 1 | 5 6 | crop which creates more health hazard. |
| Onion | Bulb | Poly house | ♣ Provide irrigation every alternate day |
| | formation | | due to non availability of rain. |
| | stage | 1 | Intercultural operations should be |
| | 300 | Z ATZAWIL Z | done regularly to keep the crop free |
| | | | from weeds and better growth of bulb. Remaining quantity of nitrogen is |
| | 1 | 3 | applied 30-40 days after transplanting. |
| | 1 | 1 66 | Provide irrigation if water is require. |
| | 1 0 | 1 3 4 | Low temperature and high humidity |
| | 100 | | influence the population of onion trips. |
| | | SERCHN | Apply any systemic insecticide 1.5 |
| | | SERONN | ml/lt of water. |
| French bean | Flowering to | | ♣ Possibility of rain will be less coming |
| | fruiting stage | | five days. So alternate irrigation should |
| | | | be done 5 days interval. |
| | 3.6 | NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, | Remaining quantity of nitrogen is |
| | | LUNGLEI | applied 30-40 days after sowing. |
| | | | Low temperature and high humidity |
| | | 500 | influence the activity of stem rot. Apply Hexaconazole 1.5 ml/lt of water for |
| | | 17 | better growth and development |
| Capsicum | Vegetative | Poly house | ♣ Intercultural operations should be done |
| Capoloum | stage | 1019 110430 | regularly to keep the crop free from |
| | Jugo |) 55 Y | weeds and aeration of the root system. |
| | | 1 | Remaining quantity of nitrogen is |
| | | LAWNGTLAN | applied 30-40 days after transplanting. |
| | | SAIHA | Provide irrigation if water is require. |
| | | (() | Apply any systemic insecticide to |
| | | | reduce damage of chilli thrips. |
| Brinjal | Fruiting to | 200 | According to forecast and past weather |

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Mizoram Centre, Kolasib- 796081, MIZORAM

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| | flowering | | record, there is no probability of |
|--------|---------------|--|---|
| | stage | | rainfall. So weekly twice irrigation is |
| | - | 5 | required for upcoming week or use |
| | 1 1 | 1 | straw mulch reduces soil water loss. |
| | 1 1 | 5 | Interculture operation should be done |
| | | KOLASIB | near to the base of the plant. |
| | 1 | | Apply split dose of nitrogenous fertilizer to the plant. |
| |) | GA. | Fruit and shoot borer attack will mare |
| | (| 1 1 | in dry weather. Apply any systematic |
| | 3 | The same of the sa | insecticide for better cure. |
| | | | ♣ Harvest all mature fruit. |
| | | | ♣ Seed must be keep for next rabi |
| | MADAIT | | season. |
| Chilli | Vegetative to | AIZAWA_) | According to forecast and past weather |
| | flowering | dementale: | record, there is no probability of |
| | stage |) | rainfall. So weekly twice irrigation is |
| | 46 | 1 6 6 | required for upcoming week or use |
| | - 1 | | straw mulch reduces soil water loss. |
| | 1 | | Interculture operation should be done near to the base of the plant. |
| | 1) | | Apply split dose of nitrogenous |
| | | SERCHN | fertilizer to the plant. |
| | | V Lag | Mature fruit should be harvested and |
| Tomato | Flowering to | | According to forecast and past weather |
| | harvesting | | record, there is no probability of |
| | stage | | rainfall. So weekly twice irrigation is |
| | 3 | LUNGLEI | required for upcoming week or use |
| | 3 | | straw mulch reduces soil water loss. |
| | | 500 | If irrigation is not available keep grass |
| | | 11 | and dry leaves as mulch. Harvest all the mature which colour |
| | 1 | | change to pale yellow to red. |
| | | 100 | Seed must be keep from self pollinated |
| | 1 | 1 50 4 | variety. |
| | | Fruit fly | ♣ In large gardens apply carbaryl 0.2 per cent |
| | | LAWNGTLAL | or malathion 0.15 per cent suspension |
| | | SAIHA | containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit |
| | | | initiation. |
| Potato | Harvesting | | If the leaves and plant became dry it |
| | | 200 | means plant ready for harvesting. |
| | | 112 | 6 P a g e |

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Mizoram Centre, Kolasib- 796081, MIZORAM

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| | a.k.c | | Onen the funner with the 1-1- |
|---------------|---------------|--|--|
| | stage | | 4 Open the furrow with the help of |
| | | | spade, harvest all mature tubers. Discard all mother tubers from |
| | | | |
| | 1. 1 | 1 | harvested potato tubers. |
| | 1 1 | 5 | ♣ Keep 7 -10 days for drying or reduce |
| | | KOLASIB | the moisture level in shed dry. |
| ANIMAL HUSBEN | IDADV | | ★ Keep 25% seed for next season sowing. |
| Pig | | WY 3 | ♣ Animals must keep in dry place or |
| Fig | All stages | 1 1 | kept in alleviated area and dry bedding |
| | 3 | Control of the second | (straw) to be provided to young |
| | I I | | animals. |
| | - J | | ■ 1st injection at 6 months of age and |
| | MAMIT | | 2nd injection at 12 months of age |
| | Z. 10000000 | A CONTRACTOR OF THE PARTY OF TH | followed by annual vaccination under |
| | 1 | A AIZAWL | vet supervision against FMD. |
| | 1 | 1 | Reduce concentrate diet up to 5%. |
| | \ | () | ♣ Provide adequate potable water. |
| | 1 | 27 | ♣ In present weather conditions ■ The second conditions is a second condition of the second conditi |
| |) 0 | - 1 3 A | vaccinate against swine fever (Vaccines |
| | 100 | | available in State Veterinary Departs) |
| | | Porcine | 1. Culling of positive pigs or piglets. |
| | | Reproductive | |
| | V. | Respiratory | 1 2 |
| | | Syndrome (PRRS). | |
| Cattle | All age group | | In present weather conditions, special |
| | | Unit Charles | care should be taken against attack of |
| | | LUNGLEI | maggots in the wounds of animals. |
| | 3 | | Application of turpentine oil in the |
| | . / | 57 | wounds followed by application of |
| | . 7 | 11 | antibiotics for five days is advised. |
| | | | Provide UMB/Molases if possible in the |
| | | 1 7 7 | feed |
| | , | | Provide 10-30 ml of vitamin B-Complex |
| | | (3) | in feed |
| | | | ♣ 1st injection at 6-8 weeks of age, 2nd |
| | | LAWNGTLAL | injection after 6 months of 1st injection followed by annual vaccination under |
| | | SAIHA | vet supervision. |
| | | | Separate sick animals. |
| | | | The animal should be washed with |
| | <u> </u> | 9 1 | The annual should be washed with |
| | | 112 | 7 P a g e |

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| | 57. | 1 | lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|---------------|---|
| Poultry | All age group | AIZAWA SERCHH | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | J. | | 7 |
| | Monitoring of fish in pond | LUNGLEI | ↓ 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. |

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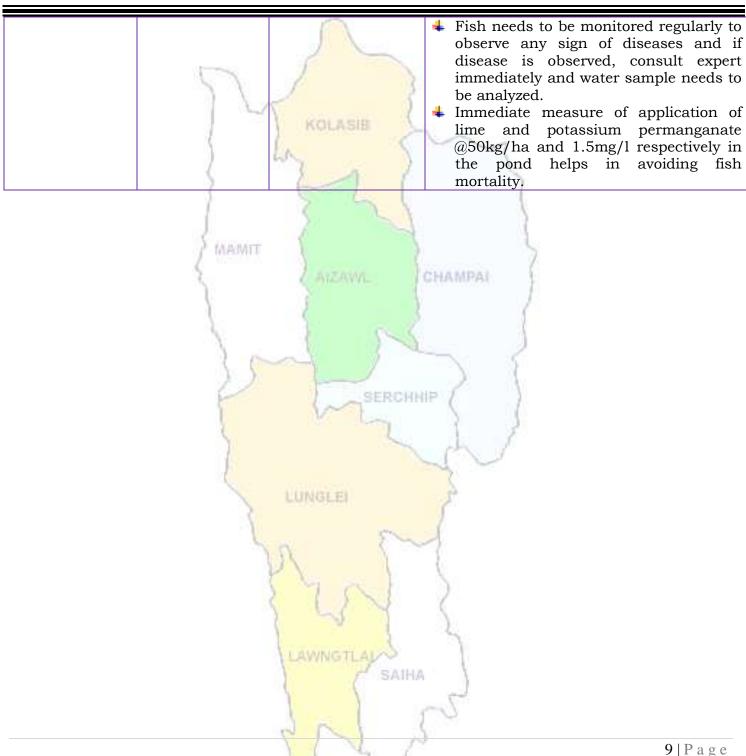


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Mizoram Centre, Kolasib- 796081, MIZORAM

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





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



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LAWNGTLAL

CHAMPAI

10 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Saiha Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/Mizo

Date of issue: 16th February, 2018

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|-----------------|--------------|--------------|------------|--------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 29 | 29 | 29 | 28 | 29 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Partially clear | Mainly clear | Mainly clear | Clear sky | Mainly clear |
| Max RH (%) | 48 | 76 | 72 | 78 | 60 |
| Min RH (%) | 16 | 22 | 27 | 21 | 15 |
| Wind Speed (KmpH) | 4 | 4 | 4 | 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.

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Ch

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

Serchhip-0.00mm (08.44mm)

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Weather summary of the past three days

-00

17th February – 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):23-25°C Minimum Tem. (°C):13-16°C Maximum RH (%):72-89% Minimum RH (%):46-54% Wind Direction: Southeasterly

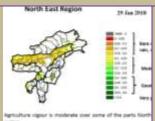
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin of 48-78% leh a hniam lai berin 15-27% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|----------------------------|---|--|
| /Fisheries | | Diseases | |
| FRUITS CROPS | A 1 181 No. | | ♣ Thlasik laia thlai bul khoro lutuk tur |
| KHASI MANDARIN AND ACID LIME | A kui atanga a seng hun | KOLASIB | vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. |
| BANANA STAR FRUIT |] | 374 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha |
| PLUM AND | (MAMIT | AIZAWL | taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah |
| PEACH | \ | 3 | keh tur lakah t a veng thei ani. |
| | 35 | Gummosis, citrus canker, citrus greening and Dieback | Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | 5 | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | OP | | |
| COFFEE | All stages | LAWNGTLANSAIHA | Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. |

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



| | | Harmosting Stage |
|---------------------------------------|--------------|---|
| | | Harvesting Stage |
| | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | 1 | thin a ni. |
| () | 6 | ♣ A rah hmin tha lo ho chu nuai sawm |
| 1 | | hmain an thliar hrang leh vek thin ani. |
| 1 | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| 1 | borer | ani. |
| 4 | () | 🖊 Hmaih neih nuaih loh tur ani. |
|) | Wy 3 | ♣ Sneg hmaih te lakkhawma paih vek tur |
| |) 1 | ani. |
| (| | ♣ Seng bang zawng zawng chu uluka taka |
| f. | 2 | paih fai vek tur ani. |
| | | → A thlai vennan a rah tlai ho chu paih vek |
| X | | tur ani. |
| / MAMIT | 7 | 🖊 Hmun dam lutukah dah loh tur. |
| 5 | Z AIZAWL | ♣ Boruak tha taka a hmuh theih nan leh a |
| 1 | Commence I | rawn chawr no theih nan thlai chu uluk |
| 1 | 1 | tak a hlawi tur ani. |
| 1 | S | 4 Chuan hei hian kah tur ani. Quinalphos 25 |
| 1 | 1 | EC @ 340 ml/200 lit emaw lamda |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | V V | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| 3, 0 | | In leh loa sawngbawln a a ro dan tur |
| 1) | | tawkah chuan: Arabica / robusta |
| | SERCHN | |
| | V~ | robusta cherry 11.0 %. |
| 3 | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | dang te paihpaih vek tur ani. |
| 100 | | Bordeaux mixture 0.5% in February - |
| | | March (Pre-bloom) a kah phawt a, |
| | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| SEDEVIC AND BILLOE ODODO | | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND PULSE CROPS | 200 | 1 17. in in |
| Rabi Maize A chin hun | 7 17 | → Vaimim chinna tur atan lei kan let |
| | | phut darh anga. |
| | | Hei hian a rawn to chhuah na tur atan |
| | | a pui dawn a ni. |
| | 1 60 | ♣ A chi chu kan lei leh saah chuan kan |
| | (| dah ang. |
| | 1 | ♣ A chi chu Thiram @4 g/kg seed hian ak |
| | LAWNGTLAN | sawngbawl hmasa anga. |
| | / SAIHA | |
| | 1 | vel viau ani. |
| | | ♣ A chi tuh hma in lei leh FYM @5-10 |
| | 100 | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | |

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| | 7 | | K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. |
|--|-----------------------------|--------------|--|
| Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow | All stage | Zero tillage | A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani. |
| Potato | Sowing stage | AIZAWL | Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani. |
| VEGETABLE CR | | | ### 1911 1 911 1: |
| Tomato | Bacterial Blight disease | LUNGLEI | Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani . |
| Early Cole crop | Black spot disease | LAWNGTLAL | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn |

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| | 5 | KOLASIB | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |
|--------------------|---------------|-----------------------|--|
| Onion and capsicum | Nursery stage | Poly house | A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | | Phytopthora blight | ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. |
| French bean | Sowing stage | LUNGLEI | Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. |
| Carrot and radish | Sowing stage | LAWNGTLAUSAIHA | ♣ A than a that theih nan nikhat danah tui pek thin tur ani. ♣ Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. ♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. ♣ Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |

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| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages | KOLASIB | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. |
| | MAMIT | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Vawknote emaw vawk lak hran. |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHN | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAL | 4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. |

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| | | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------------------------------------|--|---|
| 57 | 1 | ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. |
| Preventive | 0-3 rd week | Ranikhet Disease- an pian atanga ni |
| measures | / ₄ | 1-6 ah F1 vaccine pek tur ani a, chuan |
| 1110434103 | (A) | a puitlingh chuan R ₂ B vaccine pek tur |
| 5 | | ani. |
| (5) | 5 | ♣ B complex with antibodies |
| 1 | 4th weeks | 4 Coccidiosis- Amprolium or |
| | | coccidiostat |
|) MANUT | 4-5 th Weeks | ♣ Calcium tonic fortified with B ₁₂ |
| EIGHEDV | T-0 WCCRS | + Calcium torne fortified with B ₁₂ |
| FISHERY | Conemic 1 | GENEROUSE) |
| Monitoring |) | Sangha te hi chaw a hmuar kai lo |
| (Sangha | | chauh pek thin tur ani. Sangha chaw a |
| enkawl) | | lo hmuar anih chuan pek hma in ni sa |
|) 6 | | a phoro phawt tur ani. |
| 1 | | ♣ Sangha chaw hi a hmuar lohna turin |
| | SERCH | hmun ro leh uap lutuk lo ah dahthat |
| | | tur ani a, ninuar atang a tur io inseam |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 100 | thin, aflatoxin avang a sangha thi lak |
| | | atangin sangha a him phah thin. |
| 1 | | → Dil sah kang veka sangha man thin |
| | | hian a kumleh a sangha khawinan a dil |
| | LUNGLEI | buatsaih a ti awlsam a, dil mawng |
| 3 | T. P. S. | phoro, chinai phul, leitha hman leh tul |
| | (mc | dang in dil buatsaih tur ani. |
| | 101 | Sangha te natna lak atangin an him em |
| | | tih enfiah fo a tha a, natna hmuh anih |
| | (19 20) | chuan mithiam te rawn vat a, diltui |
| | | enfiah vat tur ani. |
| | 20 1 | A ranglam a chinai @50kg/ha leh |
| | | tuisen @1.5mg/l diltui a hman hian |
| | LAWNGTLAN | sangha natna avang a thi tur lak |
| | SAIH | atangin a veng thei. |
| | | |
| | | and I |
| | 126 | |

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/English Date of issue: 16th February, 2018

| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
|-------------------|---------------|-----------------|------------|--------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Mainly clear | Clear sky |
| Max RH (%) | 100 | 100 | 100 | 100 | 100 |
| Min RH (%) | 18 | 25 | 28 | 20 | 17 |
| Wind Speed (KmpH) | 2 | 4 | 4 | 2 | 3 |
| *Wind Direction | E | E | E | E | N-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 Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm (10.31mm) (09.28mm) (08.44mm

0.00 mm Kolasib- 0.00mm (08.44mm) (09.40mm)

(10.31mm) (09.28mm Lawngtlai-0.00mm Lunglei-0.00mm

Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)
r summary of the pas

(09.60mm) (08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):13-16°C Maximum RH (%):74-89% Minimum RH (%):54-61% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 17thFebruary, 2018 To 21stFebruary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28°C and 12-14°C. Maximum relative humidity is expected in the range of 100% and minimum may from 17-28%. Wind direction would be easterly to northeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|----------|------------------|--|
| Animal | | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Flushing | <" 3 | ♣ According to forecast and past weather |
| MANDARIN | stage | KOLASIB | record, there is no probability of |
| AND ACID | 7 | | rainfall. So weekly irrigation is required |
| LIME |) | CA. | for upcoming week or use straw mulch |
| STAR FRUIT | (| 2 1 | reduces soil water loss. |
| SIAK FRUII | 3 | Common Land | ♣ Pruning should involve removing |
| | 1 | | unhealthy, unwanted and poorly |
| PLUM AND | 2 | / | positioned branches but minimise the loss of healthy foliage. |
| PEACH | MAMIT | | The best time to prune is soon after |
| PEACH | 5 | AIZAWL | harvest in winter to early spring before |
| | 1 | Consume: | bud break. For late varieties where two |
| | |) | crops may hang on the tree at once |
| | 1 | 6.7 | some of the new crop may be lost. |
| | | | |
| | 1 6 | | mixture to reduce the damage of white |
| | 1) | | ant upto 4 feet height. |
| | | SERCH | Apply Bordeaux mixture to the plant after |
| | 1 | V~ 1 | pruning. |
| | 1 | | ♣ Application of split dose of fertilizer 600: |
| | | 1100 | 200:100 (g/pt). |
| | 1 | Gummosis, | Due to low temperature and humidity |
| | 1 | citrus canker, | disease appearance will more. Use Bordeaux |
| |) | citrus greening | past in tree trunk, twigs and branches protect healthy plant from soil borne |
| | 14 | and Dieback | disease. |
| PLANTATION CR | OP | | |
| COFFEE | Blooming | | ♣ If day temperature and prolong dry |
| | stage | (6 20) | spell occur it lead to Floral |
| | | | abnormalities like "Star Flower" in |
| | | 30 | Arabica and "Pink Flower" in Robusta. |
| | | | ♣ Irrigation of plants at alternate day's |
| | | LAWNGTLAL | interval, 6 weeks before harvesting |
| | | SAIHA | improves fruit retention and fruit |
| | | | development, and reduces fruit |
| | | | cracking and improves the fruit quality. Hulching should be done with dry |
| | | 6 0 | with dry |
| | | 1 4 6 | 2 Page |

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| | | | | grasses near the tree base to conserve soil moisture during winter. |
|---------------|---------------|--------------------|----------|---|
| | | | 4 | The young fruit plant must be irrigated |
| | 1 | 1 | | at weekly interval for better establishment. |
| | 1 1 | 7 | | Foliar application of Mepiquat chloride |
| | 1 2 | KOLASIB | 20 | (a) 1000 PPM concentration or 0.75% |
| | ή. | f. (| 3 | SSP @ 1.5 g per 200 lt of water 15 days |
| | 1 | W) | | interval. |
| Rubber | Vegetative | | + | According to forecast and past weather |
| | stage | 2 5 | | record, there is no probability of |
| | J | | | rainfall. So weekly irrigation is required for upcoming week or use straw mulch |
| | MAMIT | | | reduces soil water loss. |
| | 2 1000000 | 1 | 24 | Farmers can go for tapping upto last |
| | 1 | (AIZAWIL) | ui- | week of January. |
| | 1 | 5 | 4 | Make fire line around the field to save |
| | 46 | 1 | | from fire. |
| | 1 | | - | Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) |
| | 1 | | | between 4 plants. Store dried leaves in |
| | 1) | | | the pit and after 4 months it can use as manure. |
| Strawberry | Fruit | SERCHH | + | Possibility of rain will be very less. So |
| Stramborry | formation to | | | provide water every alternate day. |
| | harvesting | | 4 | Harvest all mature fruits or partially |
| | stage | | - | matured fruit |
| | | NAME OF THE PARTY. | + | Periodical harvest must be done once in |
| CEREALS AND I | DIII CE CDODC | LUNGLEI | | a week |
| Rabi Maize | Harvesting | | 4 | Possibility of rain will be very less. |
| Tubi Muizo | stage | n En | | Harvest all the mature cobs. |
| | buge | 16 | 4 | Keep harvested cobs in sundry for 8 to |
| | (| (la se) | | 10 days to keep the moisture level |
| | | | | below 10%. |
| | | -0 | + | 25% seed will keep as seed for next |
| | | | ,11 | year. Parret attacking tran should be made |
| | | LAWNGTLAND | - | Parrot attacking trap should be made around field to escape crop from |
| | | # SAIHA | | damage. |
| Zero tillage | Pod | Zero tillage | _4 | Possibility of rain will be very less. So |
| Greengram | formation | 1 2 1 | | provide water every alternate day. |
| | • | | 177 | |

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| and blackgram | stage | 1 | ♣ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should |
|---------------------|--------------|---------------|--|
| | | | be done. |
| | 2.1 | 1 | ♣ Apply 2% urea solution to avoid stress |
| | 1 | V | condition. |
| | | KOLASIB | Provide irrigation once in a week. |
| Zero tillage | Pod | Zero tillage | Possibility of rain will be very less. So |
| Soybean | formation | " 1 4 1 | provide water every alternate day. |
| cultivation in | stage | | ♣ Collection and destruction of damage |
| Jhum | 7 | 2 6 | plant or plant part and spraying of any |
| | | | systemic insecticide @ 2ml/lit should |
| | MAMIT | | be done. |
| | T intervitor | \ | ♣ Apply 2% urea solution to avoid stress condition. |
| | 3 | Z ATZAWIL I | Provide irrigation once in a week. |
| Zero tillage | Siliqua | Zero tillage | ♣ Possibility of rain will be very less. So |
| Toria | formation | Zero tiliage | provide water every alternate day. |
| Toria | stage | 2 8 8 | ♣ Apply split dose of fertilizer for better |
| | stage | 1 3 4 | growth. |
| | 100 | | ♣ Collection and destruction of Blister |
| | | SERCHN | beetles and spraying of Neem oil |
| | | - SEROMI | @3ml/lit should be done. |
| | 1 | | ♣ Apply split dose of fertilizer for better |
| | | | growth. |
| LIBORANI B ODO |) D | | ♣ Provide irrigation once in a week. |
| VEGETABLE CRO | | A Continue on | ♣ Turmeric and ginger is harvested when |
| Ginger and turmeric | Harvesting | LUNGLEI | leaves start yellowing and ultimately |
| turmeric | stage | | the stem dries down. |
| | 7 | m Em | The plants are-cut close to the ground. |
| | | 11 | ♣ The crop is irrigated lightly for easy |
| | | Vi Si V | digging. |
| | | | ♣ Harvesting consists of digging of |
| | | 1 -3 7 | underground clumps of rhizomes |
| | | - S | with pick axe or digging fork. |
| | | LAWNGTLAN | Fingers are separated from mother |
| | | SAIHA | rhizomes. |
| | | (| ♣ Wash clumps of rhizomes with water |
| | | 1 | and keep it for sundry. |
| | | 0 0 | ♣ Seed stock will be store from partially |

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| | | | dry sample. 4 Cut the rhizome to small pieces for |
|-------------|----------------|--|--|
| | | | proper drying. |
| Early cole | Harvesting | / | ♣ According to forecast and past weather |
| crop | stage | 2 | record, there is no probability of |
| | | V | rainfall. So weekly twice irrigation is |
| | 1 | KOLASIB | required for upcoming week or use |
| | 1 | la S | straw mulch reduces soil water loss. |
| | 1 | 7 | ♣ Harvest all mature cards. |
| |) | | → Don't spray any kind of pesticide to the |
| | 1 | SE | crop which creates more health hazard. |
| Onion | Bulb | Poly house | ♣ Provide irrigation every alternate day |
| | formation | | due to non availability of rain. |
| | stage | 1 | ♣ Intercultural operations should be |
| | 9 | A AIZAWL | done regularly to keep the crop free |
| | | | from weeds and better growth of bulb. |
| | 1 |) } | Remaining quantity of nitrogen is |
| | 1 | 3 6 6 | applied 30-40 days after transplanting. |
| | - 1 | | Provide irrigation if water is require. |
| | 1 | ~ Y | Low temperature and high humidity |
| | 1) | | influence the population of onion trips. |
| | | SERCHN | Apply any systemic insecticide 1.5 ml/lt of water. |
| French bean | Flowering to | | Possibility of rain will be less coming |
| Fiench bean | fruiting stage | | five days. So alternate irrigation should |
| | multing stage | | be done 5 days interval. |
| | | | Remaining quantity of nitrogen is |
| | | LUNGLEI | applied 30-40 days after sowing. |
| | 3 | THE STATE OF THE S | Low temperature and high humidity |
| | | (%) | influence the activity of stem rot. Apply |
| | | 17 (~ | Hexaconazole 1.5 ml/lt of water for |
| | | 3 | better growth and development |
| Capsicum | Vegetative | Poly house | Intercultural operations should be done |
| | stage | | regularly to keep the crop free from |
| | | -0 | weeds and aeration of the root system. |
| | | | Remaining quantity of nitrogen is |
| | | LAWNGTLAN | applied 30-40 days after transplanting. 4 Provide irrigation if water is require. |
| | | SAIHA | 4 Apply any systemic insecticide to |
| | | | reduce damage of chilli thrips. |
| Brinjal | Fruiting to | 1 1 | According to forecast and past weather |
| Jui | | E . | |

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| | flowering | | record, there is no probability of |
|-----------|---------------|--|---|
| | stage | | rainfall. So weekly twice irrigation is |
| | - | - | required for upcoming week or use |
| | 1 1 | 1 | straw mulch reduces soil water loss. |
| | 1 1 | 5 | Interculture operation should be done |
| | | KOLASIB | near to the base of the plant. |
| | 1 | 1 | 4 Apply split dose of nitrogenous |
| |) | W. J | fertilizer to the plant. Fruit and shoot borer attack will mare |
| | | 1 1 | in dry weather. Apply any systematic |
| | 3 | the same of the sa | insecticide for better cure. |
| | 1 | | ♣ Harvest all mature fruit. |
| | | | ♣ Seed must be keep for next rabi |
| | MAINIT | | season. |
| Chilli | Vegetative to | AIZAVAL I | According to forecast and past weather |
| | flowering | Contenue: | record, there is no probability of |
| | stage | 5 | rainfall. So weekly twice irrigation is |
| | 4 | 1 2 | required for upcoming week or use |
| | 1 | | straw mulch reduces soil water loss. |
| | 2 6 | | Interculture operation should be done |
| | | | near to the base of the plant. Apply split dose of nitrogenous |
| | | SERCHN | Apply split dose of nitrogenous fertilizer to the plant. |
| | 1 | V | Mature fruit should be harvested and |
| Tomato | Flowering to | | ♣ According to forecast and past weather |
| 7 0111400 | harvesting | | record, there is no probability of |
| | stage | | rainfall. So weekly twice irrigation is |
| | beage | LUNGLEI | required for upcoming week or use |
| | 3 | the state of the s | straw mulch reduces soil water loss. |
| | - 1 | 500 | If irrigation is not available keep grass |
| | | 11 | and dry leaves as mulch. |
| | | | Harvest all the mature which colour change to pale yellow to red. |
| | | 135 6 | Seed must be keep from self pollinated |
| | | 1 5 3 | variety. |
| | | Fruit fly | ♣ In large gardens apply carbaryl 0.2 per cent |
| | | | or malathion 0.15 per cent suspension |
| | | LAWNGTLAN | containing sugar or jeggery at 10 g/l at |
| | | SAIHA | fortnightly intervals at flowering and fruit initiation. |
| Potato | Harvesting | | Induon. If the leaves and plant became dry it |
| Totato | mai vesting | 201 | means plant ready for harvesting. |
| | 1 | THE P | 6 Page |

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| | stage | 1 | ♣ Open the furrow with the help of spade, harvest all mature tubers.♣ Discard all mother tubers from |
|--------------|---------------|---|--|
| | 2 | KOLASIB | harvested potato tubers. ♣ Keep 7 -10 days for drying or reduce the moisture level in shed dry. ♣ Keep 25% seed for next season sowing. |
| ANIMAL HUSBE | NDARY | | |
| Pig | All stages | AIZAVIL. | 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) |
| | P | Porcine Reproductive Respiratory Syndrome (PRRS). | available in State Veterinary Departs) 1. Culling of positive pigs or piglets. |
| Cattle | All age group | LUNGLEI | In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with |

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| | 5 | | lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. |
|---------|----------------------------|----------------|---|
| Poultry | All age group | AIZAWL | ♣ 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. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter. |
| FISHERY | J | | 7 |
| | Monitoring of fish in pond | LAWNGTLALSAIHA | 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. |

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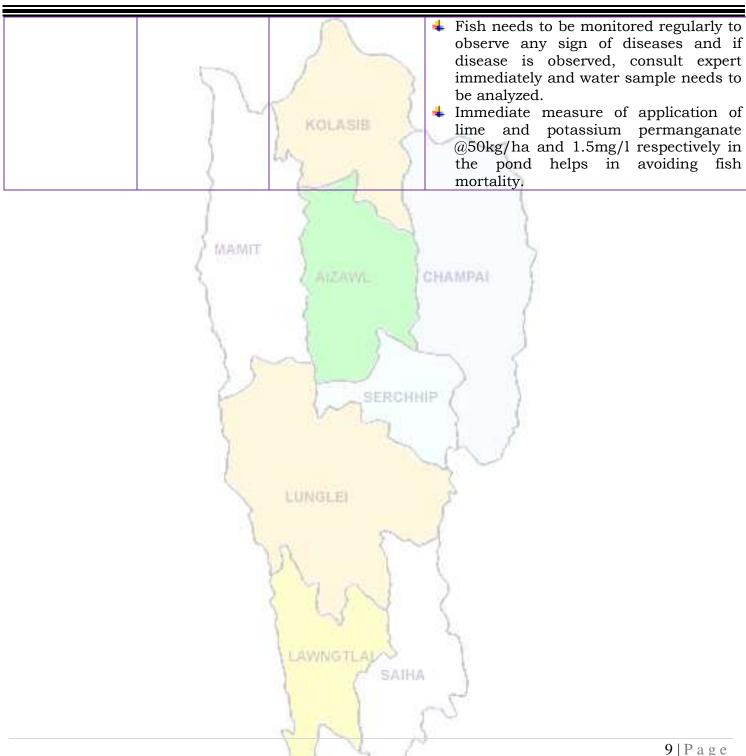


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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 17 February - 21 February, 2018

Bulletin No: - 771/2018/ Bulletin/Mizo

| | 1.0 | P | 4 | | |
|-------------------|---------------|-----------------|------------|--------------|------------|
| Parameters | 17.02.2018 | 18.02.2018 | 19.02.2018 | 20.02.2018 | 21.02.2018 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 28 | 28 | 28 | 28 | 28 |
| Min Temp (°C) | 12 | 12 | 13 | 13 | 14 |
| Cloud Coverage | Mainly cloudy | Partially clear | Clear sky | Mainly clear | Clear sky |
| Max RH (%) | 100 | 100 | 100 | 100 | 100 |
| Min RH (%) | 18 | 25 | 28 | 20 | 17 |
| Wind Speed (KmpH) | 2 | 4 | 4 | 2 | 3 |
| *Wind Direction | E | E | E | E | N-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 Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C

Minimum Tem. (°C):13-16°C Maximum RH (%):74-89%

Minimum RH (%):54-61%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

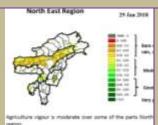
17th February – 21st February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 16th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 17-28% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ Animal | Stage | Cultural practices/ Pest/ | Agricultural / Horticultural/ animal husbandry advisories |
|---------------------------------------|----------------------------|---|--|
| /Fisheries | | Diseases | · |
| FRUITS CROPS | | | |
| KHASI MANDARIN AND ACID LIME | A kui atanga a seng hun | KOLASIB | Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. |
| BANANA STAR FRUIT | } | 56 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha |
| PLUM AND | MAMIT | AIZAWL | taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani. |
| PEACH | 35 | Gummosis, citrus canker, citrus greening and Dieback | Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. |
| | 5 | Fruit fly RCHH | Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. |
| PLANTATION CR | OP | | |
| COFFEE | All stages | LAWNGTLAUSAIHA | Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. |

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| | | | Harvesting Stage |
|-------------|---------------|--|---|
| | | | ♣ Coffe rah hmin hi thlasik laiin an seng |
| | | | thin a ni. |
| | | | ♣ A rah hmin tha lo ho chu nuai sawm |
| | 7 1 | 2 | hmain an thliar hrang leh vek thin ani. |
| | 1 | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| | | borer | ani. |
| | (| L. C | ♣ Hmaih neih nuaih loh tur ani. |
| |) | CO. 3 | ♣ Sneg hmaih te lakkhawma paih vek tur |
| | (| 1 1 | ani. |
| | 1 | | ♣ Seng bang zawng zawng chu uluka taka |
| | | | paih fai vek tur ani. |
| | J | | ♣ A thlai vennan a rah tlai ho chu paih vek |
| | MAMIT | | tur ani. |
| | J. Instanti | 1 | Hmun dam lutukah dah loh tur. |
| | 3 | Z AIZAVVL Z | Boruak tha taka a hmuh theih nan leh a |
| | | 7 | rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani. |
| | Y. |) | tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25 |
| | 1 | 1 - 1 | EC @ 340 ml/200 lit emaw lamda |
| | | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| |) 6 | | ♣ In leh loa sawngbawln a a ro dan tur |
| | 1 | | tawkah chuan: Arabica / robusta |
| | | SERCHN | |
| | | 1 | robusta cherry 11.0 %. |
| | λ | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | - | dang te paihpaih vek tur ani. |
| | | | Bordeaux mixture 0.5% in February - |
| | | | March (Pre-bloom) a kah phawt a, |
| | | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| CERRALC AND | NIII CE CEORG | THE PARTY OF THE P | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND | | Cont. | 1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10 |
| Rabi Maize | A chin hun | 7 () | → Vaimim chinna tur atan lei kan let |
| | | | phut darh anga. |
| | (| | Hei hian a rawn to chhuah na tur atan |
| | l l | | a pui dawn a ni. |
| | N N | 3 -5 7 | 4 A chi chu kan lei leh saah chuan kan |
| | | 1 | dah ang. |
| | | Leavanner as al | 4 A chi chu Thiram @4 g/kg seed hian ak |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | SAIHA | 4 20-25 kg/ha vel a chi thlak hi a tawk |
| | | | vel viau ani. |
| | | | ♣ A chi tuh hma in lei leh FYM @5-10 |
| | | 10 M | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | V V V | 3 P a g e |

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

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| | 5 | KOLASIB | 4 | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. |
|-------------|---------------|-------------|------|--|
| Onion and | Nursery stage | Poly house | | A than a that their nan nikhat danah |
| capsicum | 1 | 1 | | tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula |
| | 7 | | | hnim ring vawm khawm hi tui pek |
| | 1 | 2 | | zawhah dah tur ani. |
| | J | | | Thlai chhina hmun (nursery) hi hnim a |
| | MAMIT | | | to loh nan Pendimethalin @ 3.5ml hi |
| | \$ | 1.77000 | | tui liter 1 zelah pawlh a kah hi a tha hle ani. |
| | - 1 | Phytopthora | | A chi ven that nan thiram 3g/kg seed |
| |) | blight | _ | emaw Trichoderma viride 4g+ metalaxyl 4g |
| | 1 | blight | | (Apron)/ kg seed hi a tha hle ani |
| | 1 | 1 3 3 | * | Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper |
| | 14.5 | | ->) | oxychloride a tui liter 1 hi 10-15 DAS a |
| | | STREAM | in I | pek hi a tha hle ani. |
| French bean | Sowing stage | (~) | | Tui pek a hnihnah hringa khuh tur ani |
| | | | | a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. |
| | 1 | | | A than duna theih nan leh hnim to loh |
| | 1 | | - | na turin a kung bulah lei vur chhoh zel |
| | | LUNGLE | | tur ani. |
| Carrot and | Sowing stage | | 7.00 | A than a that theih nan nikhat danah |
| radish | 1 | 500 | | tui pek thin tur ani. |
| | | 17 | | Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. |
| | 1 | | 10.0 | Zikhlum lam chi ah chuan sik leh |
| | ì | 1 7 6 | 2 | sa vangin a hnah ah thil dum a |
| | 1 | 1 55 7 | 1 | rawn awm thina, hei hi natna |
| | | | 4 | tlanglawn ber ani. |
| | | LAWNGTLAN | 4 | Thlai hna lam chi leh zikhlum lam |
| | | SAIHA | | chi reng reng enkawl nan |
| | | | Ţ. | Mancozeb @ 2gm ah tui leter 1 |
| | | | -0 | pawlha kah tur ani. |

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages | KOLASIB | Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. |
| | MAMIT | Porcine Reproductive Respiratory Syndrome (PRRS). | Vawknote emaw vawk lak hran. |
| | Adult stage | Swine fever. | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani. |
| Cattle | All age group | SERCHH | Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani. |
| | All age group | Foot and Mouth Disease (FMD) | Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. |
| Poultry | Litter management | LAWNGTLAN | 4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. |

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| | | | 4 | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------|------------|---------------|-----|--|
| | 5 | | 4 | ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. |
| | Preventive | 0-3 rd week | 4 | Ranikhet Disease- an pian atanga ni |
| | measures | 1 | | 1-6 ah F1 vaccine pek tur ani a, chuan |
| | mousuros | GP) | | a puitlingh chuan R ₂ B vaccine pek tur |
| | - 5 | | | ani. |
| | 1 | STATE | 4 | B complex with antibodies |
| | - | 4th weeks | 4 | Coccidiosis- Amprolium or |
| | 2 | | | coccidiostat |
| | MAGMIT | 4-5th Weeks | 4 | Calcium tonic fortified with B ₁₂ |
| FISHERY | 1 | AIZAWL | CH | AMPAI (|
| | Monitoring | | 14 | Sangha te hi chaw a hmuar kai lo |
| | (Sangha | 1 | 1 | chauh pek thin tur ani. Sangha chaw a |
| | , | 3 6 6 | | lo hmuar anih chuan pek hma in ni sa |
| | enkawl) | | - | a phoro phawt tur ani. |
| | | | 4 | Sangha chaw hi a hmuar lohna turin |
| | +) | | | hmun ro leh uap lutuk lo ah dahthat |
| | | SERCH | OP. | tur ani a, hmuar atang a tur lo inseam |
| | 1 | V | | thin, aflatoxin avang a sangha thi lak |
| | | | | atangin sangha a him phah thin. |
| | 1 | | 4 | Dil sah kang veka sangha man thin |
| | - 1 | | | hian a kumleh a sangha khawinan a dil |
| | | LUNGLEI | | buatsaih a ti awlsam a, dil mawng |
| | > | F-713-20-1-11 | 1 | phoro, chinai phul, leitha hman leh tul |
| | 1 | y**** | 1 | dang in dil buatsaih tur ani. |
| | , h | 17 | + | Sangha te natna lak atangin an him em |
| | | | - (| tih enfiah fo a tha a, natna hmuh anih |
| | 1 | (by se) | 3 | chuan mithiam te rawn vat a, diltui |
| | | 3 | 2 | enfiah vat tur ani. |
| | | 1 55 | - | A ranglam a chinai @50kg/ha leh |
| | | | 169 | tuisen @1.5mg/l diltui a hman hian |
| | | LAWNGTLAL | | sangha natna avang a thi tur lak atangin a veng thei. |
| | | F SAIH | À | atangin a veng men. |
| | | | | لـــ |
| | | | (-) | 7 |
| | | 1 m | (| |

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