

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: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

| | 1999 | E. S. | 1.6 | | |
|-------------------|------------|-----------------|--------------|--------------|---------------|
| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
| Rainfall (mm) | 3 | 5 | 0 | 0 | 54 |
| Max Temp (°C) | 33 | 31 | 33 | 33 | 30 |
| Min Temp (°C) | 25 | 24 | 23 | 23 | 24 |
| Cloud Coverage | Clear sky | Partially clear | Mainly clear | Mainly clear | Mainly cloudy |
| Max RH (%) | 92 | 92 | 94 | 96 | 99 |
| Min RH (%) | 28 | 48 | 39 | 39 | 46 |
| Wind Speed (KmpH) | 2 | 5 | 4 | 3 | 4 |
| *Wind Direction | E | S-E | S-E | S-E | E |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

Date of issue: 12th May, 2017

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Serchhip-411.72mm

Weather summary of the past three days

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):16-17°C Maximum RH (%):88-99% Minimum RH (%):71-94% Wind Direction: Easterly

Cloud cover: Mainly clear Wind speed: 2-4 km/hr

13th May– 17th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-33°C a ni ang a. A vawh lai ber in 23-25°C ni tura beisei a ni. RH san lai berin 92-99% leh a hniam lai berin 28-48% ni tur a rin niin. Thli hi darkar khatah 2-5 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: 62.0mm

NDVI for Mizoram

Rainfall: 00.0 mm

North East Region

13 April 2017

13 April 2017

13 April 2017

13 April 2017

14 Oz. -0.3 | Mark 10ft backgrow |

15 Oz. -0.3 | Mark 10ft backgrow |

16 Oz. -0.3 | Mark 10ft backgrow |

17 Oz. -0.5 | Oz. -0.5 | Oz. -0.5 |

18 Oz. -0.7 | Warring |

18 Agriculture vigour is moderate over most of the parts in North Eastern state, whereas few patches in Assam, Manipur and Statem state, whereas few patches in Assam, Manipur and Statem state, whereas few patches in Assam, Manipur and Statem state, whereas few patches in Assam, Manipur and Statem state, whereas few patches in Assam, Manipur and Statem state, whereas few patches in Assam, Manipur and Statem state, whereas few patches in Assam, Manipur and Statem state, whereas few patches in Assam, Manipur and Statem s

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | | |
|---------------------------------------|----------------------------|---|--|--|--|--|
| Animal | | practices/ Pest/ | 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 | } | 57 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. | | | |
| STAR FRUIT | A MAMIT | AIZAVIL | 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 | | | |
| PLUM AND PEACH | | Gummosis, citrus | keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang | | | |
| | 1 | canker, citrus greening and Dieback | 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 | LAWNGTLAN | 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. | | | |
| | | | | | | |
| 2 P a g e | | | | | | |

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| | | | Harvesting Stage | |
|-------------|---------------|---|--|------------------|
| | | 1 | ♣ Coffe rah hmin hi thlasik laiin an se | nα |
| | | 1 | thin a ni. | iig |
| | | | A rah hmin tha lo ho chu nuai sav | |
| | 1/2 | 1 | | |
| | 1 1 | | hmain an thliar hrang leh vek thin ar | |
| | | Coffee Berry | 4 A hun takah leh fimkhhur taka seng | tur |
| | | borer | ani. | |
| | 1 | 1 × | Hmaih neih nuaih loh tur ani. | |
| | 7 | 7 | 4 Sneg hmaih te lakkhawma paih vek | tur |
| | 8 | | ani. | 1 |
| | | | Seng bang zawng zawng chu uluka ta | ıka |
| | 1 | | paih fai vek tur ani. | |
| | | 7 | 4 A thlai vennan a rah tlai ho chu paih v | vek |
| | > MAMIT | | tur ani. | |
| | 1 1024 | \ \ { | Hmun dam lutukah dah loh tur. | |
| | 1 | & ATZAVIL 1 | Boruak tha taka a hmuh theih nan leh | |
| | | 3 | rawn chawr no theih nan thlai chu ul | luk |
| | |) | tak a hlawi tur ani. | 0.5 |
| | 1 | 1 | Chuan hei hian kah tur ani. Quinalphos | |
| | A | 100 | EC @ 340 ml/200 lit emaw lam | ıda |
| |) & | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | cyhalothrin 5 EC 120 – 160 ml / 200 lit. | |
| | A 1 | 7 | In leh loa sawngbawln a a ro dan | |
| | 1.1 | | tawkah chuan: Arabica / robu | |
| | | SERCHH | | ien |
| | | 0-66- 0-4 | robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah lel | 2 0 |
| | | Coffee Rust | | ı a |
| | | | dang te paihpaih vek tur ani. Bordeaux mixture 0.5% in February | |
| | | | March (Pre-bloom) a kah phawt | |
| | | | Oxycarboxin 0.03% in May - June (P | |
| | | LUNGLEI | monsoon) ah kah chhunzawm tur ani. | 16- |
| CEREALS AND | DILL CE CDODC | | monsoon an kan chiunzawin tur am. | |
| Rabi Maize | A chin hun | | ♣ Vaimim chinna tur atan lei kan | 1 ₀ + |
| Rabi Maize | A CHIII IIUII | α (~ | T. 1/4/10 | ıει |
| | | | phut darh anga. | |
| | 7 | \ | Hei hian a rawn to chhuah na tur at | an |
| | | | a pui dawn a ni. | |
| | | 1 53 4 | 복 A chi chu kan lei leh saah chuan k | an |
| | | Y . | dah ang. | |
| | | | ♣ A chi chu Thiram @4 g/kg seed hian | ak |
| | | LAWNGTLAN | sawngbawl hmasa anga. | |
| | | f SAIHA | 4 20-25 kg/ha vel a chi thlak hi a ta | wk |
| | | 1 | 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 1 | |
| | I | | | |
| | | 4 | 3 P a g e | <i>-</i> |

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4 | P a g e

| | | | 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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| | | | awm thin a , hei hi natna tlanglawn |
|-------------|---------------|--|---|
| | | | ber ani. |
| | 1 | | 👢 Thlai hna lam chi leh zikhlum lam |
| | 100 | 2 | chi reng reng enkawl nan Mancozeb |
| |) \ | - T | @ 2gm ah tui leter 1 pawlha kah |
| | | KOLASIB | tur ani. |
| Onion and | Nursery stage | Poly house | 🗘 A than a that theih nan nikhat danah |
| capsicum | | (A) | tui pek thin tur ani. |
| _ | ς |) 1 | 4 Thlai bul vawn hnawn nana thlai bula |
| | (| | hnim ring vawm khawm hi tui pek |
| | 1 | | zawhah dah tur ani. |
| | J | | Thlai chhina hmun (nursery) hi hnim a |
| | 7 MAMIT | 1 | to loh nan Pendimethalin @ 3.5ml hi |
| | (| The second secon | tui liter 1 zelah pawlh a kah hi a tha |
| | (| (ATZAWL | CHA hle ani. |
| | V. | Phytopthora | A chi ven that nan thiram 3g/kg seed |
| | 1 | (blight) | emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani |
| | 4 | 127 | Hneh taka 1% Bordeaux chawhpawlh |
| | (| | emaw 2 g captan emaw 3 copper |
| | 21.5 | | oxychloride a tui liter 1 hi 10-15 DAS a |
| | 12 | ecnous | pek hi a tha hle ani. |
| French bean | Sowing stage | (Surceni | ♣ Tui pek a hnihnah hringa khuh tur ani |
| | A | 1.50 | a. than a that theih nan tui pek hma |
| | 7 | | 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 |
| | | LUNGLEI | tur ani. |
| Carrot and | Sowing stage | - | A than a that their nan nikhat danah |
| radish | V | 5% | tui pek thin tur ani. |
| | | A V | Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. |
| | 1 | | Zikhlum lam chi ah chuan sik leh |
| | | 1000 | 5000 |
| | | () 3 | sa vangin a hnah ah thil dum a |
| | | V | rawn awm thina, hei hi natna |
| | | | tlanglawn ber ani. |
| | | LAWNGTLAN | Thlai hna lam chi leh zikhlum lam |
| | | F SAIHA | |
| | | | Mancozeb @ 2gm ah tui leter 1 |
| | | | nomba pawlha kah tur ani. |

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| ANIMAL HUSBE | NDARY | | |
|--------------|----------------------|---|---|
| Pig | All stages MAMIT | Porcine Reproductive Respiratory Syndrome | 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. |
| | | (PRRS). | |
| | 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 | 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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| | | A | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur |
|---------|----------------|--|---|
| | | | ani. |
| | 7 / | 1 | Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur |
| | | Vi comment | ani. |
| | Preventive | 0-3 rd week | Ranikhet Disease- an pian atanga ni |
| | measures | 1 | 1-6 ah F1 vaccine pek tur ani a, chuan |
| | ζ. | 1 1 | a puitlingh chuan R ₂ B vaccine pek tur ani. |
| | <i>f</i> | 5 4 | B complex with antibodies |
| | | 4th weeks | Coccidiosis - Amprolium or |
| | · | | coccidiostat |
| | / MAMIT | 4-5 th Weeks | ♣ Calcium tonic fortified with B ₁₂ |
| FISHERY | 3 | ATZAVVL | CHAMPAI |
| | Pond | 3 rd -4 th weeks | ➡ Dil a leitha hman hian sangha chaw |
| | preparation | | kan tih mai planktons insiam nan a |
| | (Dil buatsaih) | () 3/4 | tanpui thin. |
| | 3 6 | | Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek |
| | 1.2 | | 1 |
| | | SERCHI | hmunthum a then a hmunkhat hi dil |
| | | 100 | buatsaih nan hman tur ani. A bak |
| | | | zawng hi tui boruak a zirin semdarh a |
| | | | hman thin tur ani. |
| | | LUNGLEI | Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman |
| | 3 | LUNGLEI | thin tur ani. |
| | | CSC. | 🔸 Leitha kan hman atang a karkhat |
| | 5 | 0 | hnuah tui rawng a tangin sangha chaw |
| | <u>1</u> | | inseam that leh thatloh a hriat theih a. |
| | | 155 6 | Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an |
| | | 1 63 9 | inseam tha ang a ngaih ani. |
| | | Y X | Tui nut zawng tehna transparency |
| | | LAWNGTLAN | pawh 30-40 cm vel ani tur ani. |
| | | SAIH | |
| | | | - |
| | | 1 2 | |
| | | L. 1 | 710000 |
| | | 1 | 7 Page |

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SAIHA

LAWNGTLAL

CHAMPAL

8 | P a g e

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Parameters
Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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4

S-E

District: Mamit Period: 13 May - 17 May, 2017

14.05.2017

3

33

22

Mainly clear

95

52

3

Bulletin No: - 700/2017/ Bulletin/English

13.05.2017

0

35

22

Clear sky

93

35

4

S-E

| 15.05.2017 | 16.05.2017 | 17.05.2017 |
|--------------|-----------------|---------------|
| 17 | 31 | 102 |
| 30 | 28 | 27 |
| 23 | 24 | 23 |
| Mainly clear | Partially clear | Mainly cloudy |
| 97 | 98 | 99 |

Date of issue: 12th May, 2017

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

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

Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm Kolasib- 236.00mm

(430.2mm) (359.89mm) (507.7mm)

7mm) (428.1mm)

Lawngtlai-291.20mm Lunglei-326.00mm Mamit-204.87mm Serchhip-411.72mm (453.1mm) (465.14mm) (442.80mm) (259.62mm)

Weather summary of the past three days

Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

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Maximum Tem. (°C):29-31°C
Minimum Tem. (°C):19-21°C
Maximum RH (%):94-99%
Minimum RH (%):68-94%
Wind Direction: Southeasterly
Cloud cover: Mainly clear
Wind speed: 2-4 km/hr

Rainfall: 10.8 mm

There are chances of heavy to moderate and light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 27-35°C and 22-24°C. Maximum relative humidity is expected in the range of 93-99% and minimum may from 35-86%. Wind direction would be southeasterly to easterly to southeasterly to easterly and southeasterly with the wind speed of 2-6 km per hour. Mainly clear will prevail during the next five days.

Weekly cumulative rainfall: 153.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|---------------|---------------------------------------|---|
| Animal | J | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Seedling | 2 | ♣ Fruit palnt should be planted in a |
| MANDARIN | transplanting | KOLASIB | sunny and wind-protected area. |
| AND ACID | stage | KOLKOID | In the citrus belt, trees can be planted |
| LIME | Stage | AL AL | at any time, however, spring is the best |
| | (| 3 4 / | time for container grown plants. |
| BANANA | 7 | | ♣ Standard-size trees should be spaced |
| | 1 | 2 5 | 12 to 25 feet apart and dwarf trees |
| | |) > / | should be set 6 to 10 feet apart. The |
| STAR FRUIT | ∑ MAMIT | | exact distance depends on the variety. |
| | T manner | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | The bigger the fruit, the farther |
| PLUM AND | 3 | AIZAVIL | the distance. |
| | 1 | | If the soil is not well-drained, plant the |
| PEACH | | 1 | trees on a slight mound to |
| | A. | 1 66 | prevent water logging. |
| | | 1 3 1 | ♣ Mulching should be done with dry |
| | W. (| | grasses near the tree base to conserve |
| | 1.2 | 1 | soil moisture during winter. |
| | | SERCHH | The young fruit plant must be irrigated at weekly interval for better |
| | | W. Land | establishment. |
| | | Gummosis, citrus | Die back - Due to low temperature and |
| | | Canker, Citrus | humidity disease appearance will more. |
| | | greening, | Use Bordeaux past in tree trunk, twigs and |
| | / | Dieback, Lamon | branches protect healthy plant from soil |
| | | butterfly and leaf | borne disease. |
| | 7 | minor | Lamon butterfly- Spray monocrotophos |
| | * | (~ | @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5) |
| | 1 | J\ \ | ml/lit of water) at each flush |
| | | (B A | emergence. |
| | | | Citrus Canker - Apply bacterimycin |
| | | 2 | @0.6 g/lt of water. |
| Passion Fruit | Transplanting | | High yielding mother vine with good |
| | stage | LAWNGTLAL | quality fruits and free of virus diseases |
| | 20050 | # SAIHA | should be selected to provide cuttings. |
| | | | A cutting should contain at least 3 |
| | | | buds and must be planted in sand |
| | | F) (| beds. |
| | | N | 2 Page |

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



| | | KOLASIB | Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. |
|-----------|-------------------|---------|---|
| Pineapple | Flowering | AIZAVIL | Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. |
| COFFEE | Blooming stage | LUNGLEI | 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 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 |
| | | F 17 3 | 3 P a g e |

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| | | | | interval. |
|-------------|---------------|-----------------|----------|--|
| Rubber | Nursery stage | | 4 | Clearing operation may be done during |
| | | | | the month of February to April. |
| | | / | 4 | Make fire line to protect the young tree |
| | 3 1 | 2 | | and seedlings. |
| | | Vi managarana (| 4 | 10-12 kg of well rotten organic manure |
| | | KOLASIB | 0 | and 225 gm rock phosphate should be |
| | 1 | Le S | 339 | apply at time of planting to each pit as |
| | 7 | 7 2 7 | | basal dose application. |
| CEREALS AND | | | | |
| Pre Kharif | Transplanting | 2 5 | - | Water level shall be maintained for |
| Rice | stage | | | better transplant. |
| | Sugar | | | Plough the field two to three times. |
| | J MAMIT | 4 | - | According to weather forecast next five |
| | 3 | (AIZAVIL) | 3 | days rainfall possibility is less so make |
| | | | | a bun around the field and close all out |
| | | 3 | | late for well maintenance of water in the field. |
| | 1 | 1 66 | 4 | Transplant 2-3 seedlings in one place |
| | \ _ | 1 1 31 | | for avoid gap filling. |
| | 1 0 | | 4 | Spacing should be 20 cm row to row |
| | 1.1 | penguu | | and 15 cm plant to plant. |
| | | SERCHH | 4 | Keep some seedlings in nursery or |
| | N. Control | W Neg | | corner of the field for gap filling. |
| Jhum Rice | Germination | | 4 | According to weather forecast |
| | stage | N | | possibility of moderate rainfall is very |
| | | 000000 ACCESS | | high. So drainage channel around the |
| | | LUNGLEI | _ | field should be maintained. |
| | 1 | | - | If possible use straw mulch/ grass |
| | | 5 | | mulch in row to prevent soil loss and |
| Maize | Vegetative | | <u>ं</u> | better growth of plant. According to weather forecast |
| (Jhum) | Vegetative | PA | _ | possibility of moderate rainfall is very |
| (Onuni) | stage | 120 [| | high. So drainage channel around the |
| | N N | 1 53 9 | | field should be maintained. |
| | | Y | 4 | Earthing up soil for better growth and |
| | | LAWNGTLAN | | stability in root zone. |
| | | SAIHA | 4 | Don't use split dose of any nitrogenous |
| | | SAINA | | fertilizer for better growth. |
| | | | 4 | If possible use straw mulch/ grass |
| | | | 1 | mulch in row to prevent moisture loss |
| | | | MT . | |

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| | | | 11 |
|----------------|----------------------|--|---|
| Data Materia | TT- mark to A to the | | and better growth of plant. |
| Rabi Maize | Harvesting | | Harvest all mature cobs from the plant. |
| | stage | 1 | ♣ Keep the cob for sun dry, so moisture |
| | 7 / | 1 | level will be maintain. |
| | 1 1-2 | | Thresh the seeds from cob and keep for |
| | | KOLASIB | drying. |
| | Į. | - 110 miles | Dry straw should keep for mulching in |
| IIDODMADI D OD | | Lx \ | the field. |
| VEGETABLE CRO | 1900 | / 41 5 | According to weather forecast |
| Cowpea | Vegetative | | According to weather forecast |
| | stage | 5 2 | possibility of moderate rainfall is very |
| | | 1 | high. So drainage channel around the |
| | > MAMIT | | field should be maintained. |
| | 7 1000,000 | | # Earthing up soil for better growth and |
| | 3 | A A ZAVVL | stability in root zone. |
| | | | Don't use split dose of any nitrogenous |
| | | 3 | fertilizer for better growth. |
| | 1 | 3 6. (| If possible use straw mulch/ grass |
| | | 1 3 1 | mulch in row to prevent moisture loss |
| Olema | Vogatativa | | and better growth of plant.♣ According to weather forecast |
| Okra | Vegetative | \ | According to weather forecast possibility of moderate rainfall is very |
| | stage | SERCHH | high. So drainage channel around the |
| | | VE L | field should be maintained. |
| | (, | L. | ■ Earthing up soil for better growth and |
| | | | stability in root zone. |
| | - F | | Don't use split dose of any nitrogenous |
| | | LUNGLEI | fertilizer for better growth. |
| | 7 | CHINGEEL | If possible use straw mulch/ grass |
| | | | mulch in row to prevent moisture loss |
| | <u></u> | W 824 | and better growth of plant. |
| Ginger and | Sowing stage | | Rhizome should be treated with Thiram |
| turmeric | | | @4 g/kg seed. |
| | | 3 1 5 1 | Use optimum seed rate (50-60 kg/ha) |
| | ĺ í | 1-1 | for desire plant population. |
| | | | ♣Apply well decomposed FYM/ pig |
| | | LAWNGTLAN | manure @ 10-20 t/ha along with |
| | | SAIHA | $120:80:60$ kg N, P_2O_5 and K_2O/ha |
| | | III SAIDA | incorporate with soil before sowing. |
| | | | Half nitrogen dose will use at the time |
| | | 1 2 1 | of sowing and remaining 25% after one |
| | | The state of the s | |

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| | | | month and OFO/ at flame in the |
|---------------|----------------------|---|---|
| Colocasia | Sowing stage | KOLASIB | month and 25% at flowering stage. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg. |
| ANIMAL HUSBEI | 9.0 | | As the weather gets colden wour pige? |
| Pig | All stages | AIZAWL | As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. |
| | 1 | Porcine | 1. Culling of positive pigs or piglets. |
| | 15 | Reproductive Respiratory Syndrome CHH (PRRS). | |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | LUNGLEI | Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw. |
| | All age group | Foot and Mouth Disease (FMD) | FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually |
| Poultry | Litter management | SAIHA | Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. |

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| | Preventive | KOLASIB A 0-3 rd week | 4 | Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed Ranikhet Disease- F1 vaccine at (1-6) |
|---------|---------------------|-------------------------|-------|---|
| | measures | 0-3 in week | 4 | days of birth and R ₂ B vaccine for adult birds. B complex with antibodies |
| | } MAMIT | 4th weeks | | Coccidiosis- Amprolium or coccidiostat |
| | (2) 1,122 minutes | 4-5 th Weeks | 1 | Calcium tonic fortified with B ₁₂ |
| FISHERY | Pond preparation | 3rd-4th weeks | GH/ | Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. |
| | | SERCHI | IIP # | Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. |
| | | LUNGLEI | +11+ | After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm. |
| | | LAWNGTLAN | | 7 Page |

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SAIHA

LAWNGTLAL

CHAMPAL

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District: Mamit Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

Date of issue: 12th May, 2017

| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
|-------------------|------------|--------------|--------------|-----------------|---------------|
| Rainfall (mm) | 0 | 3 | 17 | 31 | 102 |
| Max Temp (°C) | 35 | 33 | 30 | 28 | 27 |
| Min Temp (°C) | 22 | 22 | 23 | 24 | 23 |
| Cloud Coverage | Clear sky | Mainly clear | Mainly clear | Partially clear | Mainly cloudy |
| Max RH (%) | 93 | 95 | 97 | 98 | 99 |
| Min RH (%) | 35 | 52 | 44 | 51 | 86 |
| Wind Speed (KmpH) | 4 | 3 | 6 | 2 | 4 |
| *Wind Direction | S-E | E | S-E | E | S-E |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):29-31°C Minimum Tem. (°C):19-21°C Maximum RH (%):94-99%

Minimum RH (%):68-94%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2-4 km/hr

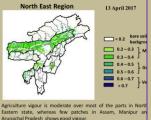
Rainfall: 10.8 mm

13th May– 17th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-35°C a ni ang a. A vawh lai ber in 22-24°C ni tura beisei a ni. RH san lai berin 93-99% leh a hniam lai berin 35-86% ni tur a rin niin. Thli hi darkar khatah 2-6 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: 153.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | |
|---------------------------------------|----------------------------|---|--|--|--|
| Animal | | practices/ Pest/ | 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 | } | 57 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. | | |
| STAR FRUIT | A MAMIT | AIZAVIL | 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 | | |
| PLUM AND PEACH | | Gummosis, citrus | keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang | | |
| | } | canker, citrus greening and Dieback | 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 | LAWNGTLAN | 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. | | |
| | 210000 | | | | |
| | | | 2 P a g e | | |

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| | | | Harvesting Stage |
|---------------|---------------|--------------------------|---|
| | | | Harvesting Stage |
| | | | Coffe rah hmin hi thlasik laiin an seng |
| | | - F | thin a ni. |
| | 1. 1 | 3 | 4 A rah hmin tha lo ho chu nuai sawm |
| |) \ | | hmain an thliar hrang leh vek thin ani. |
| | | Coffee Berry | 4 A hun takah leh fimkhhur taka seng tur |
| | | borer | ani. |
| | 1 | 100 | Hmaih neih nuaih loh tur ani. |
| | 7 | W5 (| 4 Sneg hmaih te lakkhawma paih vek tur |
| | 3 | | ani. |
| | 3 | | Seng bang zawng zawng chu uluka taka |
| | 1 | | paih fai vek tur ani. |
| | | | 4 A thlai vennan a rah tlai ho chu paih vek tur ani. |
| | ? MAMIT | 1 | Hmun dam lutukah dah loh tur. |
| | |) f | Boruak tha taka a hmuh theih nan leh a |
| | 3 | (AIZAVIL | rawn chawr no theih nan thlai chu uluk |
| | | 3 | tak a hlawi tur ani. |
| | | 3 | 4 Chuan hei hian kah tur ani. Quinalphos 25 |
| | L. | 3 6 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 |
| | () () | | tawkah chuan: Arabica / robusta |
| | | SERCHH | parchment 10 %, Arabica cherry 10.5 % leh |
| | | 1/2-40 | 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- |
| CERRALC AND I | WILL OF OPOPO | an-attended and a second | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND F | | | * ** * * * * * * * * * * * * * * * * * |
| Rabi Maize | A chin hun 🤍 | A 500 | 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 63 9 | 🛂 A chi chu kan lei leh saah chuan kan |
| | | Y | dah ang. |
| | | 1 | ♣ 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 |
| | | 1 | vel viau ani. |
| | | | ♣ A chi tuh hma in lei leh FYM @5-10 |
| | | D (| t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | NN | 3 Page |

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| | | | 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 | | 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 | LAWNGTLAL SAIHA | 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 MAMIT | Porcine Reproductive Respiratory Syndrome | 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. |
| | | (PRRS). | |
| | 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 | 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 |
|---------------|--|---|
| | 2 | tha tak leh tui thianghlim tak pek tur ani. |
| | | ♣ Chaw a hmuar/thing pek loh tur ani a, |
| () | 2 | an chaw eitur thlak sak thut loh tur |
| | KOLASIR . | ani. |
| Preventive | 0-3 rd week | Ranikhet Disease- an pian atanga ni |
| measures | (A) | 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur |
| ζ. | 2 1 | ani. |
| ∫. | 5 6 | B complex with antibodies |
| | 4th weeks | 4 Coccidiosis- Amprolium or |
| | | coccidiostat |
| J. MAN | 4-5 th Weeks | ♣ Calcium tonic fortified with B ₁₂ |
| FISHERY | (AIZAVIL | CHAMPAI |
| Pond | 3 rd -4 th weeks | 📕 Dil a leitha hman hian sangha chaw |
| preparation | 1 S | kan tih mai planktons insiam nan a |
| (Dil buatsail | n) \ | tanpui thin. |
| 3 | | Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek |
| 1 |) - armou | 1 |
| | SERCH | hmunthum a then a hmunkhat hi dil |
| | W 1-5 | buatsaih nan hman tur ani. A bak |
| Y . | | zawng hi tui boruak a zirin semdarh a |
| l js | | hman thin tur ani. |
| | TOWNS BY | Single super phosphate hi dil hectare |
| | LUNGLEI | khat zel a zauah kg 250 ang a hman thin tur ani. |
| | | Leitha kan hman atang a karkhat |
| | 7 17 | hnuah tui rawng a tangin sangha chaw |
| | 2 | inseam that leh thatloh a hriat theih a. |
| | 9 0 | Tui rawng eng hring deuh nghalh ah |
| | | hian sangha chaw planktons te an |
| | | inseam tha ang a ngaih ani. Tui nut zawng tehna transparency |
| | LIAMAGETIALS | pawh 30-40 cm vel ani tur ani. |
| | SAIH | • |
| | SAIR | |
| | | al |
| | N 6 | (|
| | 1 1 | 7 P a g e |

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SAIHA

LAWNGTLAL

CHAMPAL

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District: Saiha Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/English

| | 1975 1976 | | A CONTRACTOR OF THE CONTRACTOR | | |
|-------------------|------------|------------|--|------------|-----------------|
| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
| Rainfall (mm) | 0 | 3 | 0 | 0 | 62 |
| Max Temp (°C) | 35 | 33 | 34 | 34 | 30 |
| Min Temp (°C) | 24 | 24 | 24 | 24 | 25 |
| Cloud Coverage | Clear sky | Clear sky | Clear sky | Clear sky | Partially clear |
| Max RH (%) | 86 | 85 | 95 | 97 | 97 |
| Min RH (%) | 25 | 36 | 38 | 35 | 41 |
| Wind Speed (KmpH) | 2 | 4 | 4 | 2 | 4 |

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

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

Champhai- 105.48mm Saiha- 307.40 mm **Aizawl- 384.87mm**

(507.7mm)

Date of issue: 12th May, 2017

Kolasib- 236.00mm (428.1mm)

(430.2mm)Lawngtlai-291.20mm

*Wind Direction

(359.89mm)Lunglei-326.00mm

(465.14mm)

Mamit-204.87mm

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

(453.1mm)

Maximum Tem. (°C):22-24°C

Minimum Tem. (°C):15-17°C Maximum RH (%):92-96% Minimum RH (%):58-78%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind Speed: 2-4 km/hr

Rainfall: 00.0 mm

(442.80mm)Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

There are chances of heavy to light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 30-35°C and 24-25°C. Maximum relative humidity is expected in the range of 85-97% and minimum may from 25-41%. Wind direction would easterly to southeasterly and easterly with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 65.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|---------------|---------------------------------------|---|
| Animal | J | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Seedling | 2 | ♣ Fruit palnt should be planted in a |
| MANDARIN | transplanting | KOLASIB | sunny and wind-protected area. |
| AND ACID | stage | KOLKOID | In the citrus belt, trees can be planted |
| LIME | Stage | AL AL | at any time, however, spring is the best |
| | (| 3 4 / | time for container grown plants. |
| BANANA | 7 | | ♣ Standard-size trees should be spaced |
| | 1 | 2 5 | 12 to 25 feet apart and dwarf trees |
| | | | should be set 6 to 10 feet apart. The |
| STAR FRUIT | ∑ MAMIT | | exact distance depends on the variety. |
| | T manner | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | The bigger the fruit, the farther |
| PLUM AND | 3 | AIZAVIL | the distance. |
| | 1 | | If the soil is not well-drained, plant the |
| PEACH | | 3 | trees on a slight mound to |
| | A. | 1 66 | prevent water logging. |
| | | 1 3 15 | Mulching should be done with dry |
| | W. (| | grasses near the tree base to conserve |
| | 1.2 | 1 | soil moisture during winter. |
| | | SERCHH | The young fruit plant must be irrigated at weekly interval for better |
| | | W. Land | establishment. |
| | | Gummosis, citrus | Die back - Due to low temperature and |
| | | Canker, Citrus | humidity disease appearance will more. |
| | | greening, | Use Bordeaux past in tree trunk, twigs and |
| | / | Dieback, Lamon | branches protect healthy plant from soil |
| | | butterfly and leaf | borne disease. |
| | 7 | minor | Lamon butterfly- Spray monocrotophos |
| | * | (~ | @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5) |
| | 1 | J\ \ | ml/lit of water) at each flush |
| | | (B A | emergence. |
| | | | Citrus Canker - Apply bacterimycin |
| | | 2 | @0.6 g/lt of water. |
| Passion Fruit | Transplanting | | High yielding mother vine with good |
| | stage | LAWNGTLAL | quality fruits and free of virus diseases |
| | 20050 | # SAIHA | |
| | | | A cutting should contain at least 3 |
| | | | buds and must be planted in sand |
| | | F) (| beds. |
| | | N | 2 Page |

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| | | KOLASIB | Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. |
|--------------------------|-------------------|---------|---|
| Pineapple PLANTATION CR | Flowering | AIZAVIL | Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. |
| COFFEE | Blooming stage | LUNGLEI | 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 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 |
| | | P N | 3 P a g e |

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| | | | | interval. |
|-------------|---------------|-----------------|-----|---|
| Rubber | Nursery stage | | 4 | Clearing operation may be done during |
| | | | | the month of February to April. |
| | | / | 4 | Make fire line to protect the young tree |
| | 3 1 | 2 | | and seedlings. |
| | | Vi managarana (| 4 | 10-12 kg of well rotten organic manure |
| | | KOLASIB | 0 | and 225 gm rock phosphate should be |
| | | 1 x | 100 | apply at time of planting to each pit as |
| | 7 | 7 2 7 | | basal dose application. |
| CEREALS AND | | | | |
| Pre Kharif | Transplanting | 2 5 | 4 | Water level shall be maintained for |
| Rice | stage |) 51 | | better transplant. |
| | Sugar | | | Plough the field two to three times. |
| | J MAMIT | 4 | - | According to weather forecast next five |
| | 1 | AIZAVIL I | 3 | days rainfall possibility is less so make |
| | | | | a bun around the field and close all out |
| | 1 | 3 | | late for well maintenance of water in the field. |
| | 1 | 1 66 | 4 | Transplant 2-3 seedlings in one place |
| | \ _ | 1 1 31 | _ | for avoid gap filling. |
| | | | 4 | Spacing should be 20 cm row to row |
| | 1.1 | penguu | | and 15 cm plant to plant. |
| | | SERCHH | 4 | Keep some seedlings in nursery or |
| | A. | W Neg | | corner of the field for gap filling. |
| Jhum Rice | Germination | | 4 | According to weather forecast |
| | stage | N | | possibility of rainfall is very less and |
| | | 000000 ACCESS | | maximum temperature will be high so |
| | 1 | LUNGLEI | - | maintain the moisture level in the field. |
| | 1 | | - | If possible use straw mulch/ grass |
| | | 5% | | mulch in row to prevent moisture loss and better growth of plant. |
| Maize | Vegetative | | | According to weather forecast |
| (Jhum) | _ | | _ | possibility of rainfall is very less and |
| (Ortain) | stage | | | maximum temperature will be high so |
| | 1 | 1 53 9 | | maintain the moisture level in the field. |
| | | | 4 | Earthing up soil for better growth and |
| | | LAWNGTLAL | | stability in root zone. |
| | | SAIHA | 4 | Use split dose of any nitrogenous |
| | | SAIDA | | fertilizer for better growth. |
| | | | + | If possible use straw mulch/ grass |
| | | | - 1 | mulch in row to prevent moisture loss |
| | | | M. | |

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| Rabi Maize | Harvesting stage | | ### | and better growth of plant. Harvest all mature cobs from the plant. Keep the cob for sun dry, so moisture level will be maintain. Thresh the seeds from cob and keep for |
|------------------------|------------------|-----------|-----|--|
| VEGETABLE CR | OP | KOLASIB | 4 | drying. Dry straw should keep for mulching in the field. |
| Cowpea | Vegetative | | 4 | According to weather forecast |
| Cowpea | stage | 3 5 | _ | possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. |
| | A MAMIT | AIZAVVL | ei. | Earthing up soil for better growth and stability in root zone. |
| |) | () | | Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass |
| | 1 | | | mulch in row to prevent moisture loss and better growth of plant. |
| Okra | Vegetative) | | 4 | According to weather forecast |
| | stage | SERCHH | 4 | possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous |
| | 1 | LUNGLEI | 4 | fertilizer for better growth. If possible use straw mulch/ grass |
| | \ | 0 8 | 1 | mulch in row to prevent moisture loss and better growth of plant. |
| Ginger and turmeric | Sowing stage | | * | Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. |
| | | LAWNGTLAN | 4 | Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha |
| | | SAIHA | | incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one |
| | • | to the | W. | |

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| | | | month and 25% at flowering stage. |
|---------------|---------------|--|---|
| Colocasia | Sowing stage | | ♣ Planting is done well prepared land or |
| | | | pits filled up with FYM (12-15) t/ha |
| | 7 | 1 | Sprouted corms or cormels are planted |
| |) \ | £ 5 | 5-7 deep at a spacing of 40-50 cm |
| | | KOLASIB | between and within rows in the pits. Inorganic fertilizer like Urea, SSP and |
| | į. | (| MOP @ 220: 375: 134 kg. |
| ANIMAL HUSBEN | NDARY | 1.6. | MO1 @ 220. 070. 101 kg. |
| Pig | All stages | | 4 As the weather gets colder, your pigs' |
| | | STATE | energy requirement will increase, as |
| | | | they need more energy to keep warm. |
| | 3 | | Regularly monitor their level of 'fitness' |
| | 7 MAMIT | 4 | and increase their feed intake to |
| | 3 | & AIZAVVL | maintain. |
| | | | Fish oils are excellent for providing slow-release energy with the added |
| | \ | 3 | advantage of a high level of omega-3. |
| | 1 | Porcine | 1. Culling of positive pigs or piglets. |
| |) & | Reproductive | |
| |)) | Respiratory |) (|
| | | Syndrome CHH | P () |
| | | (PRRS). | |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 |
| | | | months and yearly interval/6 month |
| Cattle | All age group | | interval • Due to prolong dry spell there is a |
| Cattle | An age group | LUNGLEI | shortage of green grass in the field. |
| | 7 | | For balanced diet and nutrition to |
| | | 5% | your cattle, provide urea molasses |
| | | | treated paddy straw. |
| | All age group | Foot and Mouth | • FMD vaccine at 16 week and repeat |
| | | Disease (FMD) | every 6 month. |
| | Young stage | Black Quarter | Black Quarter Vaccine (BQV). |
| | | (BQ) | Primary vaccination 6 month or above |
| D = -14 | T *44 | LAWNGTLAN | Revaccination annually Birds require adequate space, sufficient |
| Poultry | Litter | / SAIHA | Birds require adequate space, sufficient feed to meet their nutritional |
| | management | | requirements and an adequate supply |
| | | 1 12 | of good-quality water. |
| | | The Party of the P | |

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| days of birth and R ₂ B vaccine birds. B complex with antibodies 4-th weeks Coccidiosis- Amprolium coccidiostat 4-5th Weeks Champal Pond preparation 3rd.4th weeks Application of fertilizers/mannin development of plankton whas natural feed for the fishes. Raw cowdung should be applied initially and the rest applied initially and the rest applied initially and the rest applied in a spilt doses. Single super phosphate should applied at the rate of 250 kg/pond. After one week of and development of planktons of observed in the pond depending colour of the water. Yellowing colour is an indicator of the plankton development. Transparency of the water near maintained at 30-40 cm. | | TY | KOLASIB | 4 | Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed |
|--|---------|----------------|-------------------------|-------|--|
| Pond preparation Pond preparation SERCH Pond preparation 3rd.4th weeks Application of fertilizers/manuin development of plankton whas natural feed for the fishes. Raw cowdung should be appliphend at the rate of 10 tonnes, One third of the total dose sapplied initially and the restapplied in a spilt doses. Single super phosphate should applied at the rate of 250 kg/pond. After one week of an development of planktons of observed in the pond depending colour of the water. Yellowing colour is an indicator of the plankton development. Transparency of the water neamintained at 30-40 cm. | | (J. 1947) | 0-3 rd week | | |
| Pond preparation Pond prepara | | } MAMIT | | | coccidiostat |
| Pond preparation Application of fertilizers/manural in development of plankton what as natural feed for the fishes. | | 1 | 4-5 th Weeks | 100 | |
| Raw cowdung should be applipond at the rate of 10 tonnes, One third of the total dose sapplied initially and the restapplied in a spilt doses. Single super phosphate should applied at the rate of 250 kg/pond. After one week of applied at the pond depending colour of the water. Yellowing colour is an indicator of the plankton development. Transparency of the water near maintained at 30-40 cm. | FISHERY | and the second | 3rd-4th weeks | | Application of fertilizers/manure helps in development of plankton which serve |
| development of planktons of observed in the pond depending colour of the water. Yellowing colour is an indicator of the plankton development. Transparency of the water near maintained at 30-40 cm. | | | SERCHI | HP HV | Single super phosphate should also be applied at the rate of 250 kg/ha in the |
| | | | UNGLEI | + | development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be |
| SAIHA | | | AWNGTLAL | } | 7 Page |

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ICAR RESEARCH COMPLEX FOR NEH RECION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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SAIHA

LAWNGTLAL

CHAMPAL

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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: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

Date of issue: 12th May, 2017

| | | | The second secon | | |
|-------------------|------------|------------|--|------------|-----------------|
| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
| Rainfall (mm) | 0 | 3 | 0 | 0 | 62 |
| Max Temp (°C) | 35 | 33 | 34 | 34 | 30 |
| Min Temp (°C) | 24 | 24 | 24 | 24 | 25 |
| Cloud Coverage | Clear sky | Clear sky | Clear sky | Clear sky | Partially clear |
| Max RH (%) | 86 | 85 | 95 | 97 | 97 |
| Min RH (%) | 25 | 36 | 38 | 35 | 41 |
| Wind Speed (KmpH) | 2 | 4 | 4 | 2 | 4 |
| *Wind Direction | E | E | S-E | E | E |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):15-17°C Maximum RH (%):92-96% Minimum RH (%):58-78%

Wind Direction: Southeasterly
Cloud cover: Mainly clear

Wind Speed: 2-4 km/hr

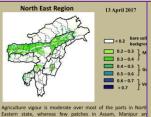
Rainfall: 00.0 mm

13th May– 17th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-35°C a ni ang a. A vawh lai ber in 24-25°C ni tura beisei a ni. RH san lai berin 85-97% leh a hniam lai berin 25-41% 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: 65.0mm

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)



| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | |
|---------------------------------------|----------------------------|---|--|--|--|
| Animal | | practices/ Pest/ | 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 | | |
| BANANA | } | \$7 | 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 | A 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 | | |
| PEACH | \ | Gummosis, citrus | keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang | | |
| | 35 | canker, citrus greening and Dieback | 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 | LAWNGTLAN | 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. | | |
| | | | | | |
| 2 P a g e | | | | | |

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| | | | Harvesting Stage |
|-------------|---------------|---|--|
| | | 1 | Coffe rah hmin hi thlasik laiin an ser |
| | | 1 | thin a ni. |
| | | | ♣ A rah hmin tha lo ho chu nuai saw |
| | 1/2 | 1 | |
| | 1 1 | | hmain an thliar hrang leh vek thin an |
| | | Coffee Berry | 4 A hun takah leh fimkhhur taka seng t |
| | | borer | ani. |
| | 1 | 14 | Hmaih neih nuaih loh tur ani. |
| | 7 | W 5 | Sneg hmaih te lakkhawma paih vek t |
| | 8 | | ani. |
| | | | Seng bang zawng zawng chu uluka tal |
| | 1 | | paih fai vek tur ani. |
| | | 7 | 4 A thlai vennan a rah tlai ho chu paih ve |
| | > MAMIT | | tur ani. |
| | 1 1024 | \ \ { | Hmun dam lutukah dah loh tur. |
| | · | & AIZAVIL 1 | Boruak tha taka a hmuh theih nan leh |
| | | 3 | rawn chawr no theih nan thlai chu ulu |
| | |) | tak a hlawi tur ani. |
| | 1 | 1 | 4 Chuan hei hian kah tur ani. Quinalphos 2 |
| | A | 100 | EC @ 340 ml/200 lit emaw lamo |
| |) & | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| | A 1 | 7 | In leh loa sawngbawln a a ro dan ti |
| | 1.1 | | tawkah chuan: Arabica / robus |
| | | SERCHH | |
| | | 0-66- 0-4 | robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah leh |
| | | Coffee Rust | |
| | | | dang te paihpaih vek tur ani. Bordeaux mixture 0.5% in February |
| | | | March (Pre-bloom) a kah phawt |
| | | | Oxycarboxin 0.03% in May - June (Pr |
| | | LUNGLEI | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND | DIII CE CDODC | | monsoon, an kan chilunzawin tur ani. |
| Rabi Maize | A chin hun | | ↓ Vaimim chinna tur atan lei kan 1 |
| Rabi Maize | A CHIII IIUII | α (~ | |
| | | | phut darh anga. |
| | 7 | \ | Hei hian a rawn to chhuah na tur ata |
| | | | a pui dawn a ni. |
| | | 1 53 4 | 4 A chi chu kan lei leh saah chuan ka |
| | | Y . | dah ang. |
| | | | A chi chu Thiram @4 g/kg seed hian a |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | f SAIHA | 4 20-25 kg/ha vel a chi thlak hi a taw |
| | | 1 | vel viau ani. |
| | | | A chi tuh hma in lei leh FYM @5-1 |
| | | | t/ha leh 80:60:40 kg N, P ₂ O ₅ le |
| | I | | |
| | | 4 | 3 P a g e |

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4 | P a g e

| | | | 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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| | 57 | 1 | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb |
|--------------------|---------------|-----------------------|--|
| | \ | KOLASIB | @ 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 Huneh 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 | LAWNGTLAN | 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 | Porcine Reproductive Respiratory Syndrome | 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. |
| | | (PRRS). | erinant of |
| | 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 |
| | 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 | 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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| | Preventive | 0-3 rd week | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni |
|---------|---------------------------------------|--|--|
| | measures | 4 th weeks | 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. ■ B complex with antibodies ■ Coccidiosis- Amprolium or coccidiostat |
| | / MAMIT | 4-5 th Weeks | ♣ Calcium tonic fortified with B ₁₂ |
| FISHERY | 3 | A A ZAVVL | CHAMPAI |
| | Pond preparation (Dil buatsaih) | 3 rd -4 th weeks | Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin. |
| | | SERCHI | hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani. |
| | | A VA JAWNGTI ALS | Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani. |
| | | SAIHA | 7 Page |

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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: Serchhip Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/English

Date of issue: 12th May, 2017

| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
|-------------------|--------------|-----------------|-----------------|--------------|---------------|
| Rainfall (mm) | 4 | 6 | 6 | 8 | 74 |
| Max Temp (°C) | 35 | 30 | 30 | 29 | 28 |
| Min Temp (°C) | 22 | 23 | 23 | 24 | 22 |
| Cloud Coverage | Mainly clear | Partially clear | Partially clear | Mainly clear | Mainly cloudy |
| Max RH (%) | 92 | 93 | 98 | 99 | 99 |
| Min RH (%) | 27 | 51 | 38 | 37 | 51 |
| Wind Speed (KmpH) | 2 | 4 | 2 | 2 | 2 |
| *Wind Direction | 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 MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 1

Champhai- 105.48mm Sa

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm) Lunglei-326.00mm (507.7mm) Mamit-204.87mm (428.1mm)

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(442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):24-29°C

Minimum Tem. (°C):18-20°C Maximum RH (%):91-99% Minimum RH (%):65-85% Wind Direction: Easterly Cloud cover: Mainly clear

Wind speed: 2-4 km/hr

Rainfall: 08.4 mm

Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

There are chances of heavy to moderate and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-35°C and 22-24°C. Maximum relative humidity is expected in the range of 92-99% and minimum may from 27-51%. Wind direction would be easterly to 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: 98.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

1 | 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)



| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|---------------|--------------------|---|
| Animal | J | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Seedling | 2 | ♣ Fruit palnt should be planted in a |
| MANDARIN | transplanting | KOLASIB | sunny and wind-protected area. |
| AND ACID | stage | KOLKOID | In the citrus belt, trees can be planted |
| LIME | Stage | AL AL | at any time, however, spring is the best |
| | (| 3 4 / | time for container grown plants. |
| BANANA | 7 | | ♣ Standard-size trees should be spaced |
| | 1 | 2 5 | 12 to 25 feet apart and dwarf trees |
| | |) > / | should be set 6 to 10 feet apart. The |
| STAR FRUIT | ∑ MAMIT | | exact distance depends on the variety. |
| | J. maximi r | 4 | The bigger the fruit, the farther |
| PLUM AND | 3 | AIZAVIL | the distance. |
| | 1 | | If the soil is not well-drained, plant the |
| PEACH | | 1 | trees on a slight mound to |
| | A. | 1 600 | prevent water logging. |
| | | 1 3 1 | ♣ Mulching should be done with dry |
| | W. (| | grasses near the tree base to conserve |
| | 1.2 | 1 | soil moisture during winter. |
| | | SERCHH | The young fruit plant must be irrigated at weekly interval for better |
| | | W. Land | establishment. |
| | | Gummosis, citrus | Die back - Due to low temperature and |
| | | Canker, Citrus | humidity disease appearance will more. |
| | | greening, | Use Bordeaux past in tree trunk, twigs and |
| | / | Dieback, Lamon | branches protect healthy plant from soil |
| | | butterfly and leaf | borne disease. |
| | 7 | minor | Lamon butterfly- Spray monocrotophos |
| | * | (~ | @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5) |
| | 1 | D1 | ml/lit of water) at each flush |
| | | (B A | emergence. |
| | | | Citrus Canker - Apply bacterimycin |
| | | 2 | @0.6 g/lt of water. |
| Passion Fruit | Transplanting | | High yielding mother vine with good |
| | stage | LAWNGTLAN | quality fruits and free of virus diseases |
| | 20050 | # SAIHA | should be selected to provide cuttings. |
| | | | A cutting should contain at least 3 |
| | | | buds and must be planted in sand |
| | | F) (| beds. |
| | | N | 2 Page |

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| | | KOLASIB | Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. |
|-----------|-------------------|---------|---|
| Pineapple | Flowering | AIZAVIL | Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. |
| COFFEE | Blooming stage | LUNGLEI | 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 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 |
| | | P N D | 3 P a g e |

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4 | P a g e

| | | | | interval. |
|-------------|---------------|------------|-------|--|
| Rubber | N | | ,ath | Clearing operation may be done during |
| Rubber | Nursery stage | | - | the month of February to April. |
| | | | _#B | Make fire line to protect the young tree |
| | 7 / | 5 | - | and seedlings. |
| | 1 13 | () | 40 | 10-12 kg of well rotten organic manure |
| | | KOLASIB | .00 | and 225 gm rock phosphate should be |
| | + | | 8 | apply at time of planting to each pit as |
| | | WA 3 | | basal dose application. |
| CEREALS AND | PIILSE CROPS | a / | | basai dosc application. |
| Pre Kharif | Transplanting | | 4 | Water level shall be maintained for |
| Rice | | | | better transplant. |
| Rice | stage | / | 4 | Plough the field two to three times. |
| |) MAMIT | 1 | | According to weather forecast next five |
| | (| 1 | | days rainfall possibility is less so make |
| | 1 | A IZAVVL | | a bun around the field and close all out |
| | (| | | late for well maintenance of water in |
| | 1 | 5 | | the field. |
| | 4 | 121 | 4 | Transplant 2-3 seedlings in one place |
| |) & | | - | for avoid gap filling. |
| | A 5 | | 4 | Spacing should be 20 cm row to row |
| | | SERCHH | ric. | and 15 cm plant to plant. |
| | | (- June 1 | 4 | Keep some seedlings in nursery or |
| | | | | corner of the field for gap filling. |
| Jhum Rice | Germination | 355 | 4 | According to weather forecast |
| | stage | | | possibility of rainfall is very less and |
| | | | | maximum temperature will be high so |
| | | LUNGLEI | _ | maintain the moisture level in the field. |
| | 7 | | - | If possible use straw mulch/ grass |
| | V | 2 | | mulch in row to prevent moisture loss |
| | ^ | Α | | and better growth of plant. |
| Maize | Vegetative | | - | According to weather forecast |
| (Jhum) | stage | 100 | | possibility of rainfall is very less and |
| | | | | maximum temperature will be high so |
| | | | Jan 1 | maintain the moisture level in the field. |
| | | | - | Earthing up soil for better growth and stability in root zone. |
| | | LAWNGTLAN | 4 | Use split dose of any nitrogenous |
| | | / SAIHA | _ | fertilizer for better growth. |
| | | | 4 | If possible use straw mulch/ grass |
| | | 1 | 9 | mulch in row to prevent moisture loss |
| | l | FU PC | | |

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| Rabi Maize | Harvesting stage | | 4 | and better growth of plant. Harvest all mature cobs from the plant. Keep the cob for sun dry, so moisture level will be maintain. |
|------------------------|---------------------|-----------|-----|---|
| VECEWARI E CR | | KOLASIB | + | Thresh the seeds from cob and keep for drying. Dry straw should keep for mulching in the field. |
| VEGETABLE CR | 1900 | / 41 1 | - m | A 1: |
| Cowpea | Vegetative stage | 55 | ** | According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. |
| | A MAMIT | AIZAWL | | Earthing up soil for better growth and stability in root zone. |
| | Ì | | | Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss |
| Okra | Vogototivo | | _ | and better growth of plant. According to weather forecast |
| Okra | Vegetative stage | SERCHH | IF | possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Earthing up soil for better growth and stability in root zone. |
| | 3 | LUNGLEI | 7 | Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. |
| Ginger and turmeric | Sowing stage | | + | Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig |
| | | LAWNGTLAL | | manure @ $10-20$ t/ha along with $120:80:60$ kg N, P_2O_5 and K_2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one |

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| | | | month and 25% at flowering stage. |
|---------------|---------------|----------------|---|
| Colocasia | Sowing stage | | ♣ Planting is done well prepared land or |
| | | | pits filled up with FYM (12-15) t/ha |
| | 7 | 1 | Sprouted corms or cormels are planted |
| |) \ | £ 5 | 5-7 deep at a spacing of 40-50 cm |
| | | KOLASIB | between and within rows in the pits. Inorganic fertilizer like Urea, SSP and |
| | į. | (| MOP @ 220: 375: 134 kg. |
| ANIMAL HUSBEN | NDARY | 1.6. | MO1 @ 220. 070. 101 kg. |
| Pig | All stages | | 4 As the weather gets colder, your pigs' |
| | | Same La | energy requirement will increase, as |
| | | | they need more energy to keep warm. |
| | 3 | | Regularly monitor their level of 'fitness' |
| | 7 MAMIT | 4 | and increase their feed intake to |
| | 3 | & AIZAVVL | maintain. Fish oils are excellent for providing |
| | | | slow-release energy with the added |
| | \ | 3 | advantage of a high level of omega-3. |
| | 1 | Porcine | 1. Culling of positive pigs or piglets. |
| |) & | Reproductive | |
| |)) | Respiratory |) (|
| | | Syndrome CHH | P () |
| | | (PRRS). | |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 |
| | | | months and yearly interval/6 month |
| Cattle | All age group | | interval • Due to prolong dry spell there is a |
| Cattle | An age group | LUNGLEI | shortage of green grass in the field. |
| | 7 | | For balanced diet and nutrition to |
| | | 5% | your cattle, provide urea molasses |
| | | | treated paddy straw. |
| | All age group | Foot and Mouth | • FMD vaccine at 16 week and repeat |
| | | Disease (FMD) | every 6 month. |
| | Young stage | Black Quarter | Black Quarter Vaccine (BQV). |
| | | (BQ) | Primary vaccination 6 month or above |
| D = -14 | T *44 | LAWNGTLAN | Revaccination annually Birds require adequate space, sufficient |
| Poultry | Litter | / SAIHA | Birds require adequate space, sufficient feed to meet their nutritional |
| | management | | requirements and an adequate supply |
| | | 1 12 | of good-quality water. |
| | | the later of | |

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| | Preventive | KOLASIB O-3 rd week | 4 | Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed Ranikhet Disease- F1 vaccine at (1-6) |
|---------|---------------------|-------------------------|-------|---|
| | measures | 0-3 M Week | 4 | days of birth and R ₂ B vaccine for adult birds. B complex with antibodies |
| | A MAMIT | 4th weeks | | Coccidiosis- Amprolium or coccidiostat |
| | 2 | 4-5 th Weeks | | Calcium tonic fortified with B ₁₂ |
| FISHERY | Pond preparation | 3rd-4th weeks | GH/ | Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. |
| | | SERCHI | IIP # | Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. |
| | | LUNGLEI | + (+ | After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm. |
| | | LAWNGTLAL | | 7 Page |

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SAIHA

LAWNGTLAL

CHAMPAL

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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: Serchhip Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

Date of issue: 12th May, 2017

| | | At a second seco | | | |
|-------------------|--------------|--|--------------|--------------|---------------|
| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
| Rainfall (mm) | 0 | 0 | 0 | 5 | 9 |
| Max Temp (°C) | 32 | 32 | 32 | 32 | 31 |
| Min Temp (°C) | 21 | 22 | 22 | 23 | 22 |
| Cloud Coverage | Mainly clear | Mainly clear | Mainly clear | Mainly clear | Mainly cloudy |
| Max RH (%) | 92 | 97 | 100 | 95 | 86 |
| Min RH (%) | 36 | 31 | 34 | 37 | 39 |
| Wind Speed (KmpH) | 0 | 2 | 2 | 2 | 2 |
| *Wind Direction | E | E | E | E | S-E |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past

three days

13th May– 17th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):24-29°C
Minimum Tem. (°C):18-20°C
Maximum RH (%):91-99%
Minimum RH (%):65-85%
Wind Direction: Easterly
Cloud cover: Mainly clear
Wind speed: 2-4 km/hr

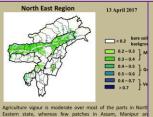
Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-35°C a ni ang a. A vawh lai ber in 22-24°C ni tura beisei a ni. RH san lai berin 92-99% leh a hniam lai berin 27-51% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

hian khawthiang tak hmuh beisei a ni.

Rainfall: 08.4 mm

Weekly cumulative rainfall: 98.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | | | | |
|---------------------------------------|----------------------------|---|--|--|--|--|--|--|
| Animal | | practices/ Pest/ | 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 | } | 57 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. | | | | | |
| STAR FRUIT | A MAMIT | AIZAVIL | 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 | | | | | |
| PLUM AND PEACH | | Gummosis, citrus | keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang | | | | | |
| | 35 | canker, citrus greening and Dieback | 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 | LAWNGTLAN | 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. | | | | | |
| | | La Company | 215 | | | | | |
| 2 P a g e | | | | | | | | |

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| | | | rvesting Stage | |
|-------------|---------------|---|---------------------------|---------------------------------|
| | | 1 | | thlasik laiin an seng |
| | | | thin a ni. | tillasik lailii ali selig |
| | | | | o ho chu nuai sawm |
| | 1/2 | 1 | | |
| | 1 1 | | | ang leh vek thin ani. |
| | | Coffee Berry | | mkhhur taka seng tur |
| | | borer | ani. | • |
| | 1 | 14 | Hmaih neih nuaih lo | |
| | 7 | 7 | | khawma paih vek tur |
| | 8 | | ani. | 1 11 .1 |
| | | | | zawng chu uluka taka |
| | 1 | | paih fai vek tur ani. | |
| | | 7 | | h tlai ho chu paih vek |
| | > MAMIT | | tur ani. | |
| | 1 1024 | \ \ \ { | Hmun dam lutukah | |
| | · | & AIZAVIL 1 | | hmuh theih nan leh a |
| | | 3 | | ih nan thlai chu uluk |
| | |) | tak a hlawi tur ani. | |
| | 1 | 1 | | tur ani. Quinalphos 25 |
| | A | 100 | | 00 lit emaw lamda |
| |) & | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | | 0 – 160 ml / 200 lit. |
| | A 1 | 7 | | awln a a ro dan tur |
| | 1.1 | | tawkah chuan: | Arabica / robusta |
| | | SERCHH | | abica cherry 10.5 % leh |
| | | 0-66- 0-4 | robusta cherry 11.0 | wih tawh a hnah leh a |
| | | Coffee Rust | | |
| | | | dang te paihpaih vel | 0.5% in February - |
| | | | | a kah phawt a, |
| | | | | in May - June (Pre- |
| | | LUNGLEI | monsoon) ah kah ch | |
| CEREALS AND | DILL CE CDODC | | illolisoolij ali kali cii | ilulizawili tul alli. |
| Rabi Maize | A chin hun | | Voimin ohinno t | ur atan lei kan let |
| Rabi Maize | A CHIII IIUII | α (~ | | ui atan lei kan let |
| | | | phut darh anga. | 11 1 |
| | 7 | \ | | chhuah na tur atan |
| | | | a pui dawn a ni. | |
| | | 1 53 4 | | leh saah chuan kan |
| | | Y . | dah ang. | |
| | | 4 | A chi chu Thiram (| @4 g/kg seed hian ak |
| | | LAWNGTLAN | sawngbawl hmasa | anga. |
| | | f SAIHA | 20-25 kg/ha vel a | chi thlak hi a tawk |
| | | 1 | vel viau ani. | |
| | | | | n lei leh FYM @5-10 |
| | | | | 10 kg N, P_2O_5 leh |
| | I | | 2, 224 2021 00.00. | |
| | | | | 3 P a g e |

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4 | P a g e

| Soybean, pea, | All stage | Zero tillage | 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. ♣ A than a that theih nan nikhat danah |
|--|-----------------------------|--------------|--|
| lentil toria, breen gram and black gram cultivation in rice fellow | An stage | Zero timage | 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 | AIZAVIL | 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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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| | 57 | 1 | 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 |
|-----------------------|---------------|-----------------------|---|
| | | 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 | 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 | LAWNGTLAN | 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 | Porcine Reproductive Respiratory Syndrome | 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. |
| | | (PRRS). | erinant of |
| | 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 |
| | 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 | 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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| | | | | Their are in term also account to the 11-2 |
|---------|-----------------|--|--------|--|
| | | | - | Tui an in tur chhawpna tur tha /lian |
| | | | | tha tak leh tui thianghlim tak pek tur |
| | | 1 | | ani. |
| | 1/2 // | / a | - | Chaw a hmuar/thing pek loh tur ani a, |
| | 3) A | 2 8 | | an chaw eitur thlak sak thut loh tur |
| | 1 | Vi santania (| | ani. |
| | Preventive | 0-3 rd week | 4 | Ranikhet Disease- an pian atanga ni |
| | measures | f., (| South | 1-6 ah F1 vaccine pek tur ani a, chuan |
| | mousuros | (A) | | a puitlingh chuan R2B vaccine pek tur |
| | - 5 | 2 1 | | ani. |
| | 1 | | 4 | B complex with antibodies |
| | 1 | 4th weeks | | Coccidiosis- Amprolium or |
| | | T- WCCAS | _ | _ |
| | - AMAMIT | | - | coccidiostat |
| | A Marketon | 4-5 th Weeks | | Calcium tonic fortified with B ₁₂ |
| FISHERY | ζ. | (AIZAVVL | CHA | MPAI |
| | Pond | 3 rd -4 th weeks | 4 | Dil a leitha hman hian sangha chaw |
| | preparation | (3 | | kan tih mai planktons insiam nan a |
| | (Dil buatsaih) | 1 0 0 | | tanpui thin. |
| | (Dir buucburii) | 1 3 | - | Bawngek hring 10 tonnes/ha/year vel |
| | | | | dil ah hman thin a ni a; bawngek |
| | 9.3 | - | | |
| | | SERCH | HP. | |
| | | V | | hmunthum a then a hmunkhat hi dil |
| | į. | | | buatsaih nan hman tur ani. A bak |
| | | | 1 - 12 | zawng hi tui boruak a zirin semdarh a |
| | | | - | hman thin tur ani. |
| | | | - | Single super phosphate hi dil hectare |
| | | LUNGLEI | 1 3 | khat zel a zauah kg 250 ang a hman |
| | 3 | | | thin tur ani. |
| | 7.17 | CSC 1 | 4 | Leitha kan hman atang a karkhat |
| | N | A () | - | hnuah tui rawng a tangin sangha chaw |
| | | | 18 | inseam that leh thatloh a hriat theih a. |
| | | | 18 | Tui rawng eng hring deuh nghalh ah |
| | | | 1 | hian sangha chaw planktons te an |
| | | 1 53 4 | 18 | inseam tha ang a ngaih ani. |
| | | | 4 | Tui nut zawng tehna transparency |
| | | 1 | | pawh 30-40 cm vel ani tur ani. |
| | | LAWNGTLAN | | pawii oo io ciii vei aiii tui aiii. |
| | | SAIHA | 4. |) |
| | | | | |
| | | 1 12 | | 2 |
| | | Fu N |) | |
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SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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District: Aizawl Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/English

| | 1970/2014/10 | E. | 4.0 | | |
|-------------------|-----------------|-----------------|-----------------|-----------------|---------------|
| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
| Rainfall (mm) | 4 | 6 | 25 | 32 | 140 |
| Max Temp (°C) | 30 | 30 | 28 | 27 | 27 |
| Min Temp (°C) | 16 | 17 | 17 | 17 | 16 |
| Cloud Coverage | Partially clear | Partially clear | Partially clear | Partially clear | Mainly cloudy |
| Max RH (%) | 93 | 95 | 98 | 99 | 99 |
| Min RH (%) | 35 | 55 | 42 | 45 | 85 |
| Wind Speed (KmpH) | 3 | 3 | 4 | 2 | 3 |
| *Wind Direction | S-E | S-E | S-E | S-E | S-E |

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

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

Champhai- 105.48mm Saiha- 307.40 mm Aizawl- 384.87mm Kolasib- 236.00mm

(359.89mm)(430.2mm)(507.7mm)

(428.1mm)

Lawngtlai-291.20mm Lunglei-326.00mm **Mamit-204.87mm** Serchhip-411.72mm (453.1mm)(465.14mm)

(442.80mm)

Date of issue: 12th May, 2017

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):18-20°C Maximum RH (%):92-98% Minimum RH (%):46-74% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

Rainfall: 16.3 mm

Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

There are chances of heavy to moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 16-17°C. Maximum relative humidity is expected in the range of 93-99% and minimum may from 35-85%. 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: 207.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|----------------------|---------------|--|---|
| Animal | J | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Seedling | 2 | ♣ Fruit palnt should be planted in a |
| MANDARIN | transplanting | KOLASIB | sunny and wind-protected area. |
| AND ACID | stage | NULHOID | ♣ In the citrus belt, trees can be planted |
| LIME | Stuge | LAC. | at any time; however, spring is the best |
| | (| 3 4 / | time for container grown plants. |
| BANANA | 7 | | ♣ Standard-size trees should be spaced |
| | 1 | 3 5 | 12 to 25 feet apart and dwarf trees |
| | | | should be set 6 to 10 feet apart. The |
| STAR FRUIT | ₹ MAMIT | | exact distance depends on the variety. |
| | 7 1000000 | 1 | The bigger the fruit, the farther |
| PLUM AND | 3 | (AIZAVIL) | the distance. |
| PEACH | (| | If the soil is not well-drained, plant the |
| PEACH | 1 | 3 | trees on a slight mound to |
| | 1 | 1 64 | prevent water logging. |
| | 1 | | # Mulching should be done with dry |
| | 74 V | | grasses near the tree base to conserve soil moisture during winter. |
| | 1. | ocnou. | |
| | | SERCHH | at weekly interval for better |
| | | No. | establishment. |
| | | Gummosis, citrus | Die back - Due to low temperature and |
| | 14 | Canker, Citrus | humidity disease appearance will more. |
| | | greening, | Use Bordeaux past in tree trunk, twigs and |
| | | Dieback, Lamon | branches protect healthy plant from soil |
| | 3 | butterfly and leaf | borne disease. Lamon butterfly- Spray monocrotophos |
| | V | minor | @0.04% @1.2 ml/lt of water. |
| | | (A) | Leaf minor- Spray confidor 0.05% (0.5 |
| | 1 | | ml/lit of water) at each flush |
| | į. | 150 6 | emergence. |
| | 9 | | 4 Citrus Canker- Apply bacterimycin |
| | | 1 | @0.6 g/lt of water. |
| Passion Fruit | Transplanting | | ♣ High yielding mother vine with good |
| | stage | LAWNGTLAN | quality fruits and free of virus diseases |
| | | / SAIHA | 3 · · · · · · · · · · · · · · · · · · · |
| | | | A cutting should contain at least 3 |
| | | 1 | buds and must be planted in sand |
| | | The Contract of | beds. |
| | | The Management of the Manageme | 2 P a g e |

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| | | KOLASIB | G + | Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. rafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. |
|---------------|-----------------------------|-----------|-------------|--|
| Pineapple | Flowering stage MAMIT | AIZAVIL | CH <u>u</u> | Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. |
| PLANTATION CR | | W. | | |
| COFFEE | Blooming stage | LUNGLEI | # | 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 grasses near the tree base to conserve soil moisture during winter. |
| | | LAWNGTLAL | | 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 |

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| | | | | interval. |
|-------------|---------------|---------------|-------|--|
| Rubber | Nursery stage | | 4 | Clearing operation may be done during |
| | | | | the month of February to April. |
| | | / | 4 | Make fire line to protect the young tree |
| | 3 1 | 2 | | and seedlings. |
| | | V commence (| 4 | 10-12 kg of well rotten organic manure |
| | | KOLASIB | 0 | and 225 gm rock phosphate should be |
| | 1 | Le S | 339 | apply at time of planting to each pit as |
| | 7 | 7 2 7 | | basal dose application. |
| CEREALS AND | | | | |
| Pre Kharif | Transplanting | 2 5 | - | Water level shall be maintained for |
| Rice | stage |) 51 | | better transplant. |
| | Sugar | | | Plough the field two to three times. |
| | J MAMIT | 4 | - | According to weather forecast next five |
| | 3 | (AIZAVIL) | 3 | days rainfall possibility is less so make |
| | | | | a bun around the field and close all out |
| | | 3 | | late for well maintenance of water in the field. |
| | 1 | 1 66 | 4 | Transplant 2-3 seedlings in one place |
| | \ _ | 1 1 31 | | for avoid gap filling. |
| | 1 0 | | 4 | Spacing should be 20 cm row to row |
| | 1.1 | penguu | | and 15 cm plant to plant. |
| | | SERCHH | 4 | Keep some seedlings in nursery or |
| | N. Control | W Neg | | corner of the field for gap filling. |
| Jhum Rice | Germination | | 4 | According to weather forecast |
| | stage | N | | possibility of moderate rainfall is very |
| | | 000000 ACCESS | | high. So drainage channel around the |
| | | LUNGLEI | _ | field should be maintained. |
| | 7 | | - | If possible use straw mulch/ grass |
| | | 5 | | mulch in row to prevent soil loss and |
| Maize | Vegetative | | ं | better growth of plant. According to weather forecast |
| (Jhum) | Vegetative | PA | _ | possibility of moderate rainfall is very |
| (Onuni) | stage | 120 [| | high. So drainage channel around the |
| | N N | 1 53 9 | | field should be maintained. |
| | | Y | 4 | Earthing up soil for better growth and |
| | | LAWNGTLAN | | stability in root zone. |
| | | SAIHA | 4 | Don't use split dose of any nitrogenous |
| | | SAINA | | fertilizer for better growth. |
| | | | 4 | If possible use straw mulch/ grass |
| | | | 1 | mulch in row to prevent moisture loss |
| | | | MT . | |

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| | | | | and better growth of plant. |
|---------------|--------------|----------------|-------------------|--|
| Rabi Maize | Harvesting | | | Harvest all mature cobs from the plant. |
| | stage | | | Keep the cob for sun dry, so moisture |
| | |) | | level will be maintain. |
| | 3 1 | 1 | | Thresh the seeds from cob and keep for |
| | | V | | drying. |
| | | KOLASIB | | Dry straw should keep for mulching in |
| | 1 | () | The second second | the field. |
| VEGETABLE CRO | OP | | | |
| Cowpea | Vegetative | | | According to weather forecast |
| | stage | | | possibility of moderate rainfall is very |
| | |) 51 | | high. So drainage channel around the |
| | Summe | | | field should be maintained. |
| | 7 MAMIT | 1 | | Earthing up soil for better growth and |
| | 1 | & AIZAVIL I | | stability in root zone. |
| | | | | Don't use split dose of any nitrogenous |
| | | 1 | | fertilizer for better growth. |
| | 1 | 3 0.0 | | If possible use straw mulch/ grass mulch in row to prevent moisture loss |
| | | 1 3 10 | | _ |
| Okra | Vogototiro | | | and better growth of plant. According to weather forecast |
| OKra | Vegetative | | | possibility of moderate rainfall is very |
| | stage | SERCHH | | high. So drainage channel around the |
| | | V L | | field should be maintained. |
| | \\ | | | Earthing up soil for better growth and |
| | | 7 | | stability in root zone. |
| | 1 | | | Don't use split dose of any nitrogenous |
| | | LUNGLEI | | fertilizer for better growth. |
| | 5 | ALEXA ELECTRIC | + | If possible use straw mulch/ grass |
| | 7 7 | CC. | | mulch in row to prevent moisture loss |
| | h | η (~~ | | and better growth of plant. |
| Ginger and | Sowing stage | | 3.1 | Rhizome should be treated with Thiram |
| turmeric | 8 | 1 9 6 | 100 | @4 g/kg seed. |
| | 5 | | | Use optimum seed rate (50-60 kg/ha) |
| | | | | for desire plant population. |
| | | | | Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with |
| | | LAWNGTLAND | | 120:80:60 kg N, P_2O_5 and K_2O/ha |
| | | / SAIHA | | incorporate with soil before sowing. |
| | | | | Half nitrogen dose will use at the time |
| | | () | | of sowing and remaining 25% after one |
| | | F) (| | or coming and remaining 20% arter one |

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| | | | month and 25% at flowering stage. |
|---------------|---------------|-----------------|---|
| Colocasia | Sowing stage | | ♣ Planting is done well prepared land or |
| | | | pits filled up with FYM (12-15) t/ha |
| | 7 | 1 | Sprouted corms or cormels are planted |
| |) \ | £ 5 | 5-7 deep at a spacing of 40-50 cm |
| | | KOLASIB | between and within rows in the pits. Inorganic fertilizer like Urea, SSP and |
| | į. | (| MOP @ 220: 375: 134 kg. |
| ANIMAL HUSBEN | NDARY | 1.6. | MO1 @ 220. 070. 101 kg. |
| Pig | All stages | | 4 As the weather gets colder, your pigs' |
| | | STATE | energy requirement will increase, as |
| | | 1 2 | they need more energy to keep warm. |
| | 3 | | Regularly monitor their level of 'fitness' |
| | 7 MAMIT | 1 | and increase their feed intake to |
| | 3 | & AIZAVVL | maintain. |
| | | | Fish oils are excellent for providing slow-release energy with the added |
| | \ | 3 | advantage of a high level of omega-3. |
| | 1 | Porcine | 1. Culling of positive pigs or piglets. |
| |) | Reproductive | - Surprise page of page of |
| |)) | Respiratory | |
| | | SyndromeCHH | P / |
| | l l | (PRRS). | 5 (|
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 |
| | | | months and yearly interval/6 month |
| 0-441- | A11 | | interval |
| Cattle | All age group | LUNGLEI | • Due to prolong dry spell there is a |
| | 3 | VIDAGO ELECTRIC | shortage of green grass in the field. For balanced diet and nutrition to |
| | V | 22 | your cattle, provide urea molasses |
| | - | A Y | treated paddy straw. |
| | All age group | Foot and Mouth | • FMD vaccine at 16 week and repeat |
| | | Disease (FMD) | every 6 month. |
| | Young stage | Black Quarter | Black Quarter Vaccine (BQV). |
| | | (BQ) | Primary vaccination 6 month or above |
| | | LAWNGTLAN | Revaccination annually |
| Poultry | Litter | / SAIHA | Birds require adequate space, sufficient |
| | management | | feed to meet their nutritional |
| | | | requirements and an adequate supply of good-quality water. |
| | | THE COLUMN | or good quarry water. |

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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)



| FISHERY | Preventive measures | 0-3 rd week 4th weeks | 4 | Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
|---------|------------------------|-------------------------|---------------|---|
| | } MAMIT | 4th weeks | - | B complex with antibodies |
| | A CONTRACTOR | | | Coccidiosis- Amprolium or coccidiostat |
| | | 4-5 th Weeks | in the second | Calcium tonic fortified with B ₁₂ |
| | Pond reparation | 3rd-4th weeks | CH/ | Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. |
| | | SERCH | HIP | Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. |
| | 1 | LUNGLEI | + | After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm. |
| | | LAWNGTLAL | Α . | |

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LAWNGTLA

CHAMPAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

Date of issue: 12th May, 2017

| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
|-------------------|-----------------|-----------------|-----------------|-----------------|---------------|
| Rainfall (mm) | 4 | 6 | 25 | 32 | 140 |
| Max Temp (°C) | 30 | 30 | 28 | 27 | 27 |
| Min Temp (°C) | 16 | 17 | 17 | 17 | 16 |
| Cloud Coverage | Partially clear | Partially clear | Partially clear | Partially clear | Mainly cloudy |
| Max RH (%) | 93 | 95 | 98 | 99 | 99 |
| Min RH (%) | 35 | 55 | 42 | 45 | 85 |
| Wind Speed (KmpH) | 3 | 3 | 4 | 2 | 3 |
| *Wind Direction | S-E | S-E | S-E | S-E | S-E |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):18-20°C Maximum RH (%):92-98% Minimum RH (%):46-74% Wind Direction: Southeasterly

Cloud cover: Mainly clear Wind speed: 2-3 km/hr

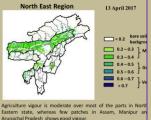
Rainfall: 16.3 mm

13th May– 17th May, 2017 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 27-30°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin 93-99% leh a hniam lai berin 35-85% 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: 207.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | |
|---------------------------------------|----------------------------|---|--|--|--|
| Animal | | practices/ Pest/ | 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 | | |
| BANANA | } | £7 | 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. | | |
| STAR FRUIT | ₹ 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 | | |
| PLUM AND PEACH | | Gummosis, citrus | keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang | | |
| | } | canker, citrus greening and Dieback | 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 | LAWNGTLAY | 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. | | |
| | 6 0 3 | | | | |
| 2 P a g e | | | | | |

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| | | | Harvesting Stage |
|---------------|---|--------------|--|
| | | | ♣ Coffe rah hmin hi thlasik laiin an sen |
| | | | thin a ni. |
| | | | ♣ A rah hmin tha lo ho chu nuai sawr |
| | 3.7 | 1 | hmain an thliar hrang leh vek thin ani. |
| | L | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tu |
| | 2-1 | borer | ani. |
| | 1 | 50101 | ♣ Hmaih neih nuaih loh tur ani. |
| |) | W. S | ♣ Sneg hmaih te lakkhawma paih vek tu |
| | (| 1 1 | ani. |
| | ¥. | | Seng bang zawng zawng chu uluka tak |
| | - 1 | 3 | paih fai vek tur ani. |
| | | 3 | A thlai vennan a rah tlai ho chu paih ve |
| | Sugar | | tur ani. |
| | 7 MAMIT | (4 | Hmun dam lutukah dah loh tur. |
| | 5 | & AIZAVIL | Boruak tha taka a hmuh theih nan leh |
| | | 3 | rawn chawr no theih nan thlai chu ulu |
| | |) | tak a hlawi tur ani. |
| | 1 | 1 2 | Chuan hei hian kah tur ani. Quinalphos 2 |
| | | 1 383 | EC @ 340 ml/200 lit emaw lamd cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| |) | | In leh loa sawngbawln a a ro dan tu |
| | \ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | 1 / | tawkah chuan: Arabica / robust |
| | | SERCHH | |
| | | SCROHN | robusta cherry 11.0%. |
| | | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh |
| | 4 | | dang te paihpaih vek tur ani. |
| | | N. Carlotte | ♣ Bordeaux mixture 0.5% in February |
| | | | March (Pre-bloom) a kah phawt a |
| | 1 | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre |
| | \\ | 5250 CO 5250 | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND P | | | |
| Rabi Maize | A chin hun | A 3 >>> | 🔫 Vaimim chinna tur atan lei kan le |
| | | (4) | phut darh anga. |
| | | | Hei hian a rawn to chhuah na tur atai |
| | | 7 01 | a pui dawn a ni. |
| | | 1 L3 Y | A chi chu kan lei leh saah chuan ka |
| | | () | dah ang. |
| | | 1 | A chi chu Thiram @4 g/kg seed hian a |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | / SAIHA | 4 20-25 kg/ha vel a chi thlak hi a taw |
| | | | vel viau ani. |
| | | | A chi tuh hma in lei leh FYM @5-1 |
| | | 200 | t/ha leh 80:60:40 kg N, P ₂ O ₅ lei |
| | | VIN | 3 Page |

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| | | | 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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| | | 1 | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb |
|--------------------|---------------|-----------------------|--|
| | 1 | KOLASIB | @ 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 ♣ A than a that theih nan nikhat danah |
| | } | 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 | LAWNGTLAN | 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 HUSBENDARY | | | | | |
|-------------------|----------------------|--|---|--|--|
| Pig | All stages | Porcine Reproductive Respiratory | 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 | Syndrome (PRRS). | CHAMPAI | | |
| | 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 | | |
| | 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 | LAWNGTLAUSAIHA | 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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| | Preventive measures | 0-3 rd week | | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan |
|---------|---------------------------------|--|---------|---|
| | measures | 4 th weeks | _ | a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies Coccidiosis- coccidiostat |
| | / MAMIT | 4-5 th Weeks | 100 | Calcium tonic fortified with B ₁₂ |
| FISHERY | 3 | (ATZAVVL | CH/ | AMPAI |
| | Pond preparation (Dil buatsaih) | 3rd-4th weeks | 4 | Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin. |
| | | SERCHI | NP | Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani. |
| | 5 | A STATE AND A STAT | * () * | Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani. |
| | | SAIH | 5 | 7 Page |

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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: Champhai Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/English

Date of issue: 12th May, 2017

| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
|-------------------|------------|-----------------|-----------------|-----------------|---------------|
| Rainfall (mm) | 6 | 10 | 21 | 26 | 130 |
| Max Temp (°C) | 31 | 30 | 29 | 28 | 26 |
| Min Temp (°C) | 20 | 21 | 21 | 21 | 21 |
| Cloud Coverage | Clear sky | Partially clear | Partially clear | Partially clear | Mainly cloudy |
| Max RH (%) | 88 | 90 | 95 | 97 | 98 |
| Min RH (%) | 33 | 52 | 41 | 40 | 72 |
| Wind Speed (KmpH) | 3 | 4 | 3 | 2 | 2 |
| *Wind Direction | S-E | S | S | E | S-E |

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

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

Aizawl- 384.87mm Char

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C

Minimum Tem. (°C):25-27°C Minimum Tem. (°C):15-17°C Maximum RH (%):90-97%

Minimum RH (%):55-81% Wind Direction: Southeasterly

Cloud cover: Mainly clear Wind Speed: 2-4 km/hr

Rainfall: 14.2 mm

Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

There are chances of heavy to moderate and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26-31°C and 20-21°C. Maximum relative humidity is expected in the range of 88-98% and minimum may from 33-72%. Wind direction would be southeasterly to southerly to easterly and southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 193.0 mm

LAWNGTLAN

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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)



| PLUM AND PEACH PLUM AND PEACH SERCHIF Commosis, citrus Greening, Dieback, Lamon butterfly and leaf All minor SAHA Exact distance depends on the variety. The bigger the fruit, the farther the distance. If the soil is not well-drained, plant the trees on a slight mound to prevent water logging. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Die back- 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. Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. | NDVI for Mizora | a m | North East Region 13 April 2017 0.2 bare soil backgro 0.3 - 0.4 0.3 M 0.4 - 0.5 6 0.5 - 0.6 7 Ve Agriculture vigour is moderate over most of the parts in North Eastern state, whereas few patches in Assam, Manipur an Arunachal Pradesh shows good vigour. | Moderately wet mildly dry/mildly wet conditions |
|--|-----------------|----------------|--|--|
| FRUITS CROPS KHANDARIN MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf Lamon butterfly Spray monocrotophos (0.04% (9.12 ml/lt of water) Lamon butterfly spray monocrotophos (0.04% (9.12 ml/lt of water) Lamon butterfly and each flush emergence. | | Stage | | |
| KHASI MANDARIN AND ACID LIME BANANA Stage LIME BANANA STAR FRUIT PLUM AND PEACH Cummosis, citrus Greening, Dieback, Lamon butterfly and leaf LAMIMinor Canker, Citrus greening, Dieback, Lamon butterfly and leaf LAMIMinor SAHA Fruit palnt should be planted in a sunny and wind-protected area. In the citrus belt, trees can be planted at any time, however, spring is the best time for container grown plants. Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance. If the soil is not well-drained, plant the trees on a slight mound to prevent water logging. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Die back- 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. Lamon butterfly- Spray monocrotophos (0.0.04% (2.1.2 ml/lt of water) Leaf minor- Spray confidor 0.05% (0.5 ml//lit of water) at each flush emergence. | | | | husbandry advisories |
| KHASI MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH Canker, Citrus greening, Dieback, Lamon butterfly and leaf Lamon butterfly and leaf Lamon butterfly and leaf Lamon butterfly- Spray monocrotophos (a)0.04% (a)0.14% (a)0.14% (a)0.12 ml/lt of water) Lamon butterfly- Spray confidor 0.05% (0.55 mil/lit of water) at each flush emergence. | • | | Diseases | |
| ## STAR FRUIT PLUM AND PEACH PLUM AND PEACH Plum And Peach Plum And Peach | | | | |
| AND ACID LIME BANANA BANANA STAR FRUIT PLUM AND PEACH PLUM AND PEACH Canker, Citrus Canker, Citrus Greening, Dieback, Lamon butterfly and leaf LAWminor SAIHA In the citrus belt, trees can be planted at any time, however, spring is the best time for container grown plants. Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance. If the soil is not well-drained, plant the trees on a slight mound to prevent water logging. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Die back- 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. Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. | | | | - |
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| Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease. Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. | | | A . | |
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| branches protect healthy plant from soil borne disease. Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. | | | A CONTRACTOR OF THE PROPERTY O | |
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| Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. | | | | Lamon butterfly- Spray monocrotophos |
| ml/lit of water) at each flush emergence. | | | The state of the s | |
| emergence. | | | (SAIDA | |
| | | | | and the second s |
| | | | | emergence. |
| | | | 7 7 | 2 P a g e |

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| Passion Fruit Transplanting stage High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 5 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chambe made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section. From Palescapele, barbridge in particular from Palescapele, barbridge in polythene. |
|--|
| Passion Fruit Transplanting stage High yielding mother vine with good quality fruits and free of virus disease should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chambe made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the |
| should be selected to provide cuttings. A cutting should contain at least of buds and must be planted in sand beds. Immediately after planting these should be kept inside a high humid chambe made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the |
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| planted in polythene sleeves and the |
| Parallel Parallel Control Cont |
| |
| section from Rahangala hybrid is |
| grafted using wedge or approach |
| method of grafting. |
| Pineapple Flowering |
| stage (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied |
| in the heart of the plant. In evening and |
| only when plants have at least 20 |
| SERCHH P leaves. |
| ■ The flowering emergence will come ou |
| after 55-60 days after chemica |
| spraying. |
| Apply split doses of fertilizer @ 60 |
| 50:60 g per plant. |
| Remove all unwanted leaves, branches |
| and weed near to the plant. |
| PLANTATION CROP |
| COFFEE Blooming I I I day temperature and prolong dry |
| stage spell occur it lead to Flora |
| abnormalities like "Star Flower" in |
| Arabica and "Pink Flower" in Robusta. |
| ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ |
| interval, o weeks before harvesting improves fruit retention and fruit |
| development, and reduces fruit |
| cracking and improves the fruit quality |
| ■ Mulching should be done with dr |
| with the with the |

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4 | P a g e

| Rubber | Nursery stage | 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. Clearing operation may be done during the month of February to April. Make fire line to protect the young tree and seedlings. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be |
|-------------|---------------|------------------|----------------|--|
| CEREALS AND | PULSE CROPS | AIZAWL | | apply at time of planting to each pit as basal dose application. |
| Pre Kharif | Transplanting | | 4 | Water level shall be maintained for |
| Rice | stage | | | better transplant. |
| Ricc | Stage | | 4 | Plough the field two to three times. |
| | 12 | SERCHH | | According to weather forecast next five |
| | | (SERGHI | | days rainfall possibility is less so make |
| | A. | | | a bun around the field and close all out |
| | ') | <u></u> | | late for well maintenance of water in |
| | | 30 | | the field. |
| | | | 4 | Transplant 2-3 seedlings in one place |
| | 1 | LUNGLEI | _ | for avoid gap filling. |
| | (| | - | Spacing should be 20 cm row to row |
| | V. | 5% | | and 15 cm plant to plant. |
| | | A Y | - * | Keep some seedlings in nursery or corner of the field for gap filling. |
| Jhum Rice | Germination | | 4 | According to weather forecast |
| onum Rice | | 7 7 | | possibility of moderate rainfall is very |
| | stage | 1 63 9 | | high. So drainage channel around the |
| | | | | field should be maintained. |
| | | AL ANALOG TO ALL | 4 | If possible use straw mulch/ grass |
| | | LAWNGTLAN | | mulch in row to prevent soil loss and |
| | | A SAIHA | | better growth of plant. |
| Maize | Vegetative | | 4 | According to weather forecast |
| (Jhum) | stage | | | possibility of moderate rainfall is very |
| | | | | |

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| Rabi Maize | Harvesting stage | KOLASIB | high. So drainage channel around the field should be maintained. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. Harvest all mature cobs from the plant. Keep the cob for sun dry, so moisture level will be maintain. Thresh the seeds from cob and keep for drying. Dry straw should keep for mulching in |
|---------------|---------------------|---------------|--|
| | 3 | | the field. |
| VEGETABLE CRO | | | |
| Cowpea | Vegetative stage | SERCI | stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. |
| Okra | Vegetative stage | LAWNGTLANSAIL | According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. |
| Ginger and | Sowing stage | | Rhizome should be treated with Thiram |
| turmeric | | Jack. | @4 g/kg seed. |
| | | 1 N | 5 Page |

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| Colocasia | Sowing stage | KOLASIB | Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha |
|---------------|---------------|---|---|
| ANIMAL HUSBEN | MAMIT | AIZAWL | Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg. |
| Pig | All stages | SERCHH | As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. |
| | 1 | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | LAWNGTLAL | • Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw. |
| | All age group | Foot and Mouth | FMD vaccine at 16 week and repeat |

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| | | Disease (FMD) | every 6 month. |
|---------|-------------|---------------|--|
| | Young stage | Black Quarter | Black Quarter Vaccine (BQV). |
| | | (BQ) | Primary vaccination 6 month or above |
| | | 1 | Revaccination annually |
| Poultry | Litter | 2 | Birds require adequate space, sufficient |
| | management | KOLASIB | feed to meet their nutritional |
| | - 1 | Marinois > | requirements and an adequate supply |
| | | 1 | of good-quality water. |
| | (| 3 1 | Good management and sanitation are |
| | ¥. | | the best ways to avoid infectious |
| | 1 | 5 2 | disease in poultry. |
| | J | 7 | 4 Provide ample quantity of clean |
| | MAMIT | | drinking water. |
| | 7 | 1 | Avoid feeding of mouldy feed. Don't make sudden changes in feed |
| | Preventive | 0-3 rd week | Ranikhet Disease- F1 vaccine at (1-6) |
| | N/ | U-S - WEEK | days of birth and R_2B vaccine for adult |
| | measures | \$ | birds. |
| | 1 | 122 | B complex with antibodies |
| | 1 6 | 4th weeks | Coccidiosis- Amprolium or |
| |)) | | coccidiostat |
| | | 4-5th Weeks | Calcium tonic fortified with B ₁₂ |
| FISHERY | No. | V L- | } |
| | Pond | 3rd-4th weeks | 4 Application of fertilizers/manure helps |
| | preparation | | in development of plankton which serve |
| | | | as natural feed for the fishes. |
| | | LUNGLEI | Raw cowdung should be applied in the |
| | (| | pond at the rate of 10 tonnes/ha/year. |
| | V | 5% | One third of the total dose should be |
| | | A V | applied initially and the rest may be |
| | 11 | | applied in a spilt doses. Single super phosphate should also be |
| | Ĥ | 100 | applied at the rate of 250 kg/ha in the |
| | 5 | (F3 A | pond. |
| | | | 4 After one week of application |
| | | L. Avenue | development of planktons could be |
| | | LAWNGTLAN | observed in the nond depending on the |
| | | A SAIHA | colour of the water. Yellowish green |
| | | | colour is an indicator of the good |
| | | A real of | plankton development. |
| | | E. C. | |
| | | 4 | 7 P a g e |

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♣ Transparency of the water needs to be maintained at 30-40 cm. KOLASIB MAMIT CHAMPAL SERCHHIP LUNGLE LAWNGTLAJ SAIHA 8 | P a g e

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SAIHA

LAWNGTLAL

CHAMPAL

9 | P a g e

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District: Champhai Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

Date of issue: 12th May, 2017

| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
|-------------------|------------|-----------------|-----------------|-----------------|---------------|
| Rainfall (mm) | 6 | 10 | 21 | 26 | 130 |
| Max Temp (°C) | 31 | 30 | 29 | 28 | 26 |
| Min Temp (°C) | 20 | 21 | 21 | 21 | 21 |
| Cloud Coverage | Clear sky | Partially clear | Partially clear | Partially clear | Mainly cloudy |
| Max RH (%) | 88 | 90 | 95 | 97 | 98 |
| Min RH (%) | 33 | 52 | 41 | 40 | 72 |
| Wind Speed (KmpH) | 3 | 4 | 3 | 2 | 2 |
| *Wind Direction | S-E | S | S | E | S-E |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C

Minimum Tem. (°C):15-17°C Maximum RH (%):90-97%

Minimum RH (%):55-81%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind Speed: 2-4 km/hr

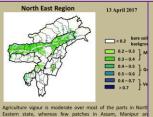
Rainfall: 14.2 mm

13th May– 17th May, 2017 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 26-31°C a ni ang a. A vawh lai ber in 20-21°C ni tura beisei a ni. RH san lai berin 88-98% leh a hniam lai berin 33-72% 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: 193.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | | | |
|---------------------------------------|----------------------------|---|--|--|--|--|--|
| Animal | | practices/ Pest/ | 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 | } | 54 | Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. | | | | |
| STAR FRUIT | A MAMIT | AIZAVIL | 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 | | | | |
| PLUM AND PEACH | |) | keh tur lakah t a veng thei ani. | | | | |
| | 15 | 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 | LAWNGTLAN | 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. | | | | |
| | F D | | | | | | |
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| | | | На | arvesting Stage |
|-----------------|------------|----------------|------|---|
| | | \ | 1 | Coffe rah hmin hi thlasik laiin an seng |
| | | | | thin a ni. |
| | | | 4 | A rah hmin tha lo ho chu nuai sawm |
| | 1. 1 | 1 | - | |
| | - 1 A- | | - th | hmain an thliar hrang leh vek thin ani. |
| | | Coffee Berry | - | A hun takah leh fimkhhur taka seng tur |
| | 1 | borer | N. | ani. |
| | 1 | 10 | | Hmaih neih nuaih loh tur ani. |
| | 7 | ~ 7 | - | Sneg hmaih te lakkhawma paih vek tur |
| | 8 | | an a | ani. |
| | 9 | | - | Seng bang zawng zawng chu uluka taka |
| | 1 | | | paih fai vek tur ani. |
| | J | / | - | A thlai vennan a rah tlai ho chu paih vek |
| | 7 MAMIT | | | tur ani. |
| | 2 | () | | Hmun dam lutukah dah loh tur. Boruak tha taka a hmuh theih nan leh a |
| | 3 | AIZAVIL I | CHI | rawn chawr no theih nan thlai chu uluk |
| | | | | tak a hlawi tur ani. |
| |) | 7 | 4 | Chuan hei hian kah tur ani. Quinalphos 25 |
| | 1 | 1 - 7 | - | EC @ 340 ml/200 lit emaw lamda |
| | | | | cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
| |) & | | 1 | In leh loa sawngbawln a a ro dan tur |
| | A 50 | | - | tawkah chuan: Arabica / robusta |
| | 12 | ocnou. | | parchment 10%, Arabica cherry 10.5% leh |
| | | SERCHH | P. | robusta cherry 11.0%. |
| | | Coffee Rust | 4 | Natna hrik in a khawih tawh a hnah leh a |
| | L, | Conee Rust | _ | dang te paihpaih vek tur ani. |
| | | 100 | 4 | Bordeaux mixture 0.5% in February - |
| | | | 200 | March (Pre-bloom) a kah phawt a, |
| | | OTOW GOOD TO | | Oxycarboxin 0.03% in May - June (Pre- |
| | | LUNGLEI | 1 | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND PUL | SE CROPS | | | |
| | A chin hun | 570 | 1 | Vaimim chinna tur atan lei kan let |
| | | 0 0 | | phut darh anga. |
| | , I | | | Hei hian a rawn to chhuah na tur atan |
| | 8 | (See See) | 7 | |
| | | | 3/ | a pui dawn a ni. |
| | | 1 -1 -1 | * | A chi chu kan lei leh saah chuan kan |
| | | | | dah ang. |
| | | LI MANUETT ALL | - | A chi chu Thiram @4 g/kg seed hian ak |
| | | LAWNGTLAN | | sawngbawl hmasa anga. |
| | | f SAIHA | | 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 |
| | | 201 | | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
| | | NA | | 3 P a g e |

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| | | | 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 | 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 | LAWNGTLAL | 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 | Porcine Reproductive Respiratory | 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 | Syndrome (PRRS). | CHAMPAI |
| | 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 |
| | 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 | 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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| | | 1 Their and in term of the second term the second |
|--|--|--|
| | | Tui an in tur chhawpna tur tha /lian |
| | | tha tak leh tui thianghlim tak pek tur |
| | The second | ani. |
| 7.7 | 3 | Chaw a hmuar/thing pek loh tur ani a, |
|) \ | 3 | an chaw eitur thlak sak thut loh tur |
| | - N | ani. |
| Preventive | 0-3 rd week | 🖊 Ranikhet Disease- an pian atanga ni |
| measures | | 1-6 ah F1 vaccine pek tur ani a, chuan |
| 1110454105 | (475) | a puitlingh chuan R ₂ B vaccine pek tur |
| \ \ | 2 -1 / | ani. |
| (| | B complex with antibodies |
| f | 4th weeks | 1 |
| | T- WCCKS | <u> </u> |
| - MAMI | | coccidiostat |
| No. of the Contract of the Con | 4-5 th Weeks | ♣ Calcium tonic fortified with B ₁₂ |
| FISHERY | ATZAVIL | CHAMPAI |
| Pond | 3 rd -4 th weeks | ♣ Dil a leitha hman hian sangha chaw |
| preparation | (| kan tih mai planktons insiam nan a |
| (Dil buatsaih) | 1 6 6 | tanpui thin. |
| (Dir buucburr) | 1 3 | Bawngek hring 10 tonnes/ha/year vel |
| | | dil ah hman thin a ni a; bawngek |
|) 1 J | | 240 1100 1 |
| | SERCH | |
| | V | hmunthum a then a hmunkhat hi dil |
| | | buatsaih nan hman tur ani. A bak |
| | | zawng hi tui boruak a zirin semdarh a |
| | | hman thin tur ani. |
| | | Single super phosphate hi dil hectare |
| | LUNGLEI | khat zel a zauah kg 250 ang a hman |
| 3 | | thin tur ani. |
| | 0.00 | 🖊 Leitha kan hman atang a karkhat |
| | 10 | hnuah tui rawng a tangin sangha chaw |
| | | inseam that leh thatloh a hriat theih a. |
| | | Tui rawng eng hring deuh nghalh ah |
| | 2 1 6 | hian sangha chaw planktons te an |
| | 1 50 | inseam that ang a ngaih ani. |
| | V V | Tui nut zawng tehna transparency |
| | 1 | pawh 30-40 cm vel ani tur ani. |
| | LAWNGTLAN | • |
| | A SAIH | 1 |
| | | _ ~ |
| | V 15-21 | |
| | En L | \ |
| | N. N. | 7 Page |

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SAIHA

LAWNGTLAL

CHAMPAL

8 | 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: Kolasib Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/English

| | - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 198 | fa. | 4 | | |
|-------------------|--|--------------|-----------------|---------------|---------------|
| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
| Rainfall (mm) | 3 | 4 | 21 | 32 | 121 |
| Max Temp (°C) | 33 | 32 | 30 | 28 | 26 |
| Min Temp (°C) | 21 | 22 | 22 | 22 | 21 |
| Cloud Coverage | Mainly clear | Mainly clear | Partially clear | Mainly cloudy | Mainly cloudy |
| Max RH (%) | 92 | 96 | 99 | 99 | 99 |
| Min RH (%) | 37 | 58 | 48 | 53 | 98 |
| Wind Speed (KmpH) | 4 | 2 | 4 | 2 | 4 |
| *Wind Direction | S-E | S-E | S-E | E | S-E |

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

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

Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm

307.40 mm Kolasib- 236.00mm

Date of issue: 12th May, 2017

(430.2mm)

(359.89mm) Lunglei-326.00mm (507.7mm) Mamit-204.87mm (428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C): 29°C Minimum Tem. (°C):19-23°C Maximum RH (%):88-97% Minimum RH (%):61-86%

Wind Direction: Southeasterly
Cloud cover: Mainly clear

Wind speed: 2-4 km/hr

Rainfall: 09.6 mm

Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

There are chances of heavy to moderate and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26-33°C and 21-22°C. Maximum relative humidity is expected in the range of 92-99% and minimum may from 37-98%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 181.0 mm

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|---------------|---------------------------------------|---|
| Animal | J | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Seedling | 2 | ♣ Fruit palnt should be planted in a |
| MANDARIN | transplanting | KOLASIB | sunny and wind-protected area. |
| AND ACID | stage | KOLKOID | In the citrus belt, trees can be planted |
| LIME | Stage | AL AL | at any time, however, spring is the best |
| | (| 3 4 / | time for container grown plants. |
| BANANA | 7 | | ♣ Standard-size trees should be spaced |
| | 1 | 2 5 | 12 to 25 feet apart and dwarf trees |
| | |) > / | should be set 6 to 10 feet apart. The |
| STAR FRUIT | ∑ MAMIT | | exact distance depends on the variety. |
| | T manner | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | The bigger the fruit, the farther |
| PLUM AND | 3 | AIZAVIL | the distance. |
| | 1 | | If the soil is not well-drained, plant the |
| PEACH | | 1 | trees on a slight mound to |
| | A. | 1 66 | prevent water logging. |
| | | 1 3 15 | Mulching should be done with dry |
| | W. (| | grasses near the tree base to conserve |
| | 1.2 | 1 | soil moisture during winter. |
| | | SERCHH | The young fruit plant must be irrigated at weekly interval for better |
| | | W. Land | establishment. |
| | | Gummosis, citrus | Die back - Due to low temperature and |
| | | Canker, Citrus | humidity disease appearance will more. |
| | | greening, | Use Bordeaux past in tree trunk, twigs and |
| | / | Dieback, Lamon | branches protect healthy plant from soil |
| | | butterfly and leaf | borne disease. |
| | 7 | minor | Lamon butterfly- Spray monocrotophos |
| | * | (~ | @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5) |
| | 1 | D1 | ml/lit of water) at each flush |
| | | (B A | emergence. |
| | | | Citrus Canker - Apply bacterimycin |
| | | 2 | @0.6 g/lt of water. |
| Passion Fruit | Transplanting | | High yielding mother vine with good |
| | stage | LAWNGTLAN | quality fruits and free of virus diseases |
| | 20050 | # SAIHA | should be selected to provide cuttings. |
| | | | A cutting should contain at least 3 |
| | | | buds and must be planted in sand |
| | | F) (| beds. |
| | | NYN | 2 Page |

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| | | KOLASIB | G 4 | Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. rafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. |
|---------------|--------------------|------------|-----------------|--|
| Pineapple | Flowering stage | AIZAVIL | CH ₄ | Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. |
| PLANTATION CR | | 67 | | |
| COFFEE | Blooming stage | LUNGLEI | - | 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 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated |
| | | LAWNGTLANS | 4 | 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 |

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| | | | | interval. |
|-------------|---------------|-------------------|-----|--|
| Rubber | Nursery stage | | 4 | Clearing operation may be done during |
| | | | | the month of February to April. |
| | | / | 4 | Make fire line to protect the young tree |
| | 3 1 | 2 | | and seedlings. |
| | | Vi managarana (| 4 | 10-12 kg of well rotten organic manure |
| | | KOLASIB | 0 | and 225 gm rock phosphate should be |
| | 1 | 1 x | 335 | apply at time of planting to each pit as |
| | 7 | 7 2 7 | | basal dose application. |
| CEREALS AND | | | | |
| Pre Kharif | Transplanting | 2 5 | - | Water level shall be maintained for |
| Rice | stage |) 5/ | | better transplant. |
| | Sugar | | | Plough the field two to three times. |
| | J MAMIT | 4 | - | According to weather forecast next five |
| | 3 | (AIZAVIL) | 3 | days rainfall possibility is less so make |
| | | | | a bun around the field and close all out |
| | | 3 | | late for well maintenance of water in the field. |
| | 1 | 1 66 | 4 | Transplant 2-3 seedlings in one place |
| | \ _ | 1 1 31 | | for avoid gap filling. |
| | 1 0 | | 4 | Spacing should be 20 cm row to row |
| | 1.1 | penguu | | and 15 cm plant to plant. |
| | | SERCHH | 4 | Keep some seedlings in nursery or |
| | | K I-3 | | corner of the field for gap filling. |
| Jhum Rice | Germination | 254 | 4 | According to weather forecast |
| | stage | | | possibility of moderate rainfall is very |
| | | | | high. So drainage channel around the |
| | | LUNGLEI | | field should be maintained. |
| | 7 | | * | If possible use straw mulch/ grass |
| | | 55% | - | mulch in row to prevent soil loss and |
| Mo! | Vogototimo | | | better growth of plant. According to weather forecast |
| Maize | Vegetative | 2 | - | possibility of moderate rainfall is very |
| (Jhum) | stage | | | high. So drainage channel around the |
| | 9 | 1 63 8 | | field should be maintained. |
| | | Y | 4 | Earthing up soil for better growth and |
| | | LI MANAGETT ALL S | | stability in root zone. |
| | | LAWNGTLAN | 4 | Don't use split dose of any nitrogenous |
| | | A SAIHA | | fertilizer for better growth. |
| | | | 4 | If possible use straw mulch/ grass |
| | | 1 12 1 | - 1 | mulch in row to prevent moisture loss |
| | | | W. | |

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| | | | | and better growth of plant. |
|---------------|--------------|---------------------------------------|-------------------|---|
| Rabi Maize | Harvesting | | | Harvest all mature cobs from the plant. |
| | stage | | | Keep the cob for sun dry, so moisture |
| | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | level will be maintain. |
| | 3 1 | 1 | | Thresh the seeds from cob and keep for |
| | A NEX | Vi | | drying. |
| | | KOLASIB \ | | Dry straw should keep for mulching in |
| | 1 | | The second second | the field. |
| VEGETABLE CRO | OP | | | |
| Cowpea | Vegetative | | | According to weather forecast |
| | stage | 7000 | | possibility of moderate rainfall is very |
| | |) 51 | | high. So drainage channel around the |
| | 3 | (| | field should be maintained. |
| | 7 MAMIT | | | Earthing up soil for better growth and |
| | { | & AIZAVIL 1 | | stability in root zone. |
| | | | | Don't use split dose of any nitrogenous |
| | | 7 | | fertilizer for better growth. |
| | 1 | 3 70.7 | | If possible use straw mulch/ grass |
| | / | 1 3 10 | | mulch in row to prevent moisture loss |
| Okra | Vogetetine | | | and better growth of plant. According to weather forecast |
| OKra | Vegetative | | | According to weather forecast possibility of moderate rainfall is very |
| | stage | SERCHH | | high. So drainage channel around the |
| | | V-1 | | field should be maintained. |
| | L, | | | Earthing up soil for better growth and |
| | | | | stability in root zone. |
| | | | | Don't use split dose of any nitrogenous |
| | | LUNGLEI | | fertilizer for better growth. |
| | 3 | matte elemen | 4 | If possible use straw mulch/ grass |
| | 7 | Č. | | mulch in row to prevent moisture loss |
| | <u> </u> | W (2 | | and better growth of plant. |
| Ginger and | Sowing stage | | 70.0 | Rhizome should be treated with Thiram |
| turmeric | 8 | 4 4 | | @4 g/kg seed. |
| | 8 | | | Use optimum seed rate (50-60 kg/ha) |
| | | 1 20 | | for desire plant population. |
| | | | | Apply well decomposed FYM/ pig |
| | | LAWNGTLAL | | manure @ 10-20 t/ha along with |
| | • | F SAIHA | | $120:80:60$ kg N, P_2O_5 and K_2O/ha |
| | | | | incorporate with soil before sowing. Half nitrogen dose will use at the time |
| | | | | of sowing and remaining 25% after one |
| | | FU CL | | or sowing and remaining 25% and one |

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| | | | month and 25% at flowering stage. |
|---------------|---------------|--|---|
| Colocasia | Sowing stage | | ♣ Planting is done well prepared land or |
| | | | pits filled up with FYM (12-15) t/ha |
| | 7 | 1 | Sprouted corms or cormels are planted |
| |) \ | £ 5 | 5-7 deep at a spacing of 40-50 cm |
| | | KOLASIB | between and within rows in the pits. Inorganic fertilizer like Urea, SSP and |
| | į. | (| MOP @ 220: 375: 134 kg. |
| ANIMAL HUSBEN | NDARY | I.K. N | MO1 @ 220. 070. 101 kg. |
| Pig | All stages | | 4 As the weather gets colder, your pigs' |
| | | STATE | energy requirement will increase, as |
| | | | they need more energy to keep warm. |
| | 3 | | Regularly monitor their level of 'fitness' |
| | 7 MAMIT | 4 | and increase their feed intake to |
| | 3 | & AIZAVVL | maintain. Fish oils are excellent for providing |
| | | | slow-release energy with the added |
| | \ | 3 | advantage of a high level of omega-3. |
| | 1 | Porcine | 1. Culling of positive pigs or piglets. |
| |) & | Reproductive | |
| |)) | Respiratory |) (|
| | | Syndrome CHH | P () |
| | | (PRRS). | |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 |
| | | | months and yearly interval/6 month |
| Cattle | All age group | | interval • Due to prolong dry spell there is a |
| Cattle | An age group | LUNGLEI | shortage of green grass in the field. |
| | 7 | | For balanced diet and nutrition to |
| | | 5% | your cattle, provide urea molasses |
| | | | treated paddy straw. |
| | All age group | Foot and Mouth | • FMD vaccine at 16 week and repeat |
| | | Disease (FMD) | every 6 month. |
| | Young stage | Black Quarter | Black Quarter Vaccine (BQV). |
| | | (BQ) | Primary vaccination 6 month or above |
| D = -14 | T *44 | LAWNGTLAN | Revaccination annually Birds require adequate space, sufficient |
| Poultry | Litter | / SAIHA | Birds require adequate space, sufficient feed to meet their nutritional |
| | management | | requirements and an adequate supply |
| | | 1 12 | of good-quality water. |
| | | The Contract of the Contract o | |

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| days of birth and R ₂ B vaccine birds. B complex with antibodies 4th weeks Coccidiosis- Amprolium coccidiostat 4-5th Weeks Champal Pond preparation 3rd_4th weeks Application of fertilizers/manuin development of plankton whas natural feed for the fishes. Raw cowdung should be applied pond at the rate of 10 tonnes/One third of the total dose shapplied initially and the rest applied initially and the rest applied initially and the rest applied at the rate of 250 kg/l pond. After one week of apdevelopment of planktons of observed in the pond depending colour of the water. Yellowis colour is an indicator of the plankton development. Transparency of the water neem maintained at 30-40 cm. | | | KOLASIB | 4 | Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed |
|--|---------|------------------------|-------------------------|-------|--|
| Pond preparation Pond preparation SERCHI Application of fertilizers/manuin development of plankton whas natural feed for the fishes. Raw cowdung should be applied pond at the rate of 10 tonnes/One third of the total dose slapplied in a spilt doses. Single super phosphate should applied at the rate of 250 kg/l pond. After one week of applied at the rate of 250 kg/l pond. After one week of applied one week of applied in the pond depending colour of the water. Yellowis colour is an indicator of the plankton development. Transparency of the water neem maintained at 30-40 cm. | | Preventive measures | 0-3 rd week | + | |
| Pond preparation Pond preparation Pond preparation SERCHH Pond preparation Pond preparation SERCHH Pond preparation Pond preparati | | S MARIET | | | coccidiostat |
| Pond preparation Application of fertilizers/manusin development of plankton who as natural feed for the fishes. | | 10000000 | 4-5 th Weeks | | |
| Raw cowdung should be applied pond at the rate of 10 tonnes/ One third of the total dose stapplied initially and the restapplied in a spilt doses. Single super phosphate should applied at the rate of 250 kg/l pond. After one week of applied development of planktons of observed in the pond depending colour of the water. Yellowis colour is an indicator of the plankton development. Transparency of the water neemaintained at 30-40 cm. | FISHERY | | 3rd-4th weeks | GH/ | Application of fertilizers/manure helps in development of plankton which serve |
| development of planktons of observed in the pond depending colour of the water. Yellowis colour is an indicator of the plankton development. Transparency of the water need maintained at 30-40 cm. | | | SERCHI | HIP # | Single super phosphate should also be applied at the rate of 250 kg/ha in the |
| LAWNGTIAL | | | LUNGLEI | + / + | development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be |
| SAIHA | | | LAWNGTLAN | 5 | 7 Page |

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ICAR RESEARCH COMPLEX FOR NEH RECION

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District: Kolasib Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

| | 1970 1976 | I C | | | |
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Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

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Date of issue: 12th May, 2017

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Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2-4 km/hr

Rainfall: 09.6 mm

13th May- 17th May, 2017 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 26-33°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 92-99% leh a hniam lai berin 37-98% 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: 181.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | | | |
|-------------------------------|----------------------------|---|--|--|--|--|--|
| Animal | | practices/ Pest/ | husbandry advisories | | | | |
| /Fisheries | | Diseases | | | | | |
| FRUITS CROPS | | | | | | | |
| KHASI MANDARIN AND ACID | 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 | { | 7-4 | 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. | | | | |
| STAR FRUIT | ₹ 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 | | | | |
| PLUM AND PEACH | | Gummosis, citrus | keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang | | | | |
| | 15 | canker, citrus greening and Dieback | 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 | LAWNGTLAY | 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. | | | | |
| | | | | | | | |
| | | 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)



| | | | Harvesting Stage |
|---------------|--------------|----------------|--|
| | | | Harvesting Stage |
| | | | Coffe rah hmin hi thlasik laiin an seng |
| | | for the second | thin a ni. |
| | 1. 1 | 3 | 4 A rah hmin tha lo ho chu nuai sawm |
| |) \ | | hmain an thliar hrang leh vek thin ani. |
| | | Coffee Berry | 4 A hun takah leh fimkhhur taka seng tur |
| | | borer | ani. |
| | 1 | 100 | Hmaih neih nuaih loh tur ani. |
| | 7 | 195 | Sneg hmaih te lakkhawma paih vek tur |
| |) | | ani. |
| | 3 | Same La | Seng bang zawng zawng chu uluka taka |
| | | () | paih fai vek tur ani. |
| | J. | | A thlai vennan a rah tlai ho chu paih vek tur ani. |
| | ? MAMIT | V A | Hmun dam lutukah dah loh tur. |
| | | \ \ | Boruak tha taka a hmuh theih nan leh a |
| | 7 | (ATZAVVL | rawn chawr no theih nan thlai chu uluk |
| | | 7 | tak a hlawi tur ani. |
| | | 3 | Chuan hei hian kah tur ani. Quinalphos 25 |
| | | 3 8 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 |
| | () () | | tawkah chuan: Arabica / robusta |
| | | SERCHH | parchment 10 %, Arabica cherry 10.5 % leh |
| | | 1/2-60 | robusta cherry 11.0%. |
| | | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| | | S-4 | 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- |
| CERRATO AND E | VIII OF OFOR | mente erennu | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND P | | | T 77 |
| Rabi Maize | A chin hun 👢 | A 500 | 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 63 8 | 4 A chi chu kan lei leh saah chuan kan |
| | | Y Y | dah ang. |
| | | | A chi chu Thiram @4 g/kg seed hian ak |
| | | LAWNGTLAN | sawngbawl hmasa anga. |
| | | f" SAIHA | 4 20-25 kg/ha vel a chi thlak hi a tawk |
| | | 1 | vel viau ani. |
| | | | ♣ A chi tuh hma in lei leh FYM @5-10 |
| | | 201 | t/ha leh $80:60:40$ kg N, P_2O_5 leh |
| | | NA | 3 Page |

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4 | P a g e

| | | | 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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| | 57 | 1 | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb ② 2gm ah tui leter 1 pawlha kah |
|-------------------|---------------|-----------------------|---|
| Onion and | Nursery stage | Poly house | tur ani. A than a that theih nan nikhat danah |
| capsicum | MAMIT | LA LAWL | 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 | LAWNGTLAL | 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 HUSBEI | NDARY | | |
|---------------|----------------------|--|--|
| Pig | All stages MAMIT | Porcine Reproductive Respiratory | 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. 1. Vawknote emaw vawk lak hran. |
| | 3 | Syndrome (PRRS). | CHAMPAI |
| | 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 |
| | 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 | 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. |
| 5 | | Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. |
| Prevent | tive 0-3 rd weel | |
| measu | (1) | 1-6 ah F1 vaccine pek tur ani a, chuan |
| ineasu | les My | a puitlingh chuan R ₂ B vaccine pek tur |
| 5 | 2 | ani. |
| S | | B complex with antibodies |
| 1 | 4th weeks | |
| Į. | A | coccidiostat |
| - | 4-5th Week | |
| DIGHTDY | T-5 WCCB | A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 |
| FISHERY | CHIENVIL | CHAMPAI |
| Pone | | |
| prepara | 1 | kan tih mai planktons insiam nan a |
| (Dil buat | saih) | tanpui thin. |
| | LUNGLEI | Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani. Leitha kan hman atang a karkhat |
| | A AWNGTEAN | hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani. |
| | | SAIHA 7 Page |

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SAIHA

LAWNGTLA!

CHAMPAL

8 | P a g e

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Parameters
Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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District: Lawntlai Period: 13 May - 17 May, 2017

14.05.2017

3

33

24

Clear sky

88

40

6

S-E

Bulletin No: - 700/2017/ Bulletin/English

13.05.2017

0

35

23

Clear sky

88

30

4

| 3 | | | | | |
|---|------------|------------|-----------------|--|--|
| 7 | 15.05.2017 | 16.05.2017 | 17.05.2017 | | |
| | 0 | 0 | 55 | | |
| | 34 | 33 | 31 | | |
| | 23 | 24 | 24 | | |
| | Clear sky | Clear sky | Partially clear | | |
| | 93 | 94 | 97 | | |
| | 40 | 38 | 44 | | |

6

Date of issue: 12th May, 2017

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

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

Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm

(507.7mm)

Kolasib- 236.00mm (428.1mm)

(430.2mm) Lawngtlai-291.20mm (359.89mm) Lunglei-326.00mm

Mamit-204.87mm

Serchhip-411.72mm

(453.1mm)

(465.14mm)

(442.80mm)

S-E

(259.62mm)

5

Weather summary of the past three days

Maximum Tem. (°C):27-31°C Minimum Tem. (°C):21-23°C Maximum RH (%):90-98% Minimum RH (%):64-91% Wind Direction: Easterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

There are chances of heavy to light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 31-35°C and 23-24°C. Maximum relative humidity is expected in the range of 88-97% and minimum may from 30-44%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 4-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 58.0 mm

NDVI for Mizoram

North East Region

13 April 2017

13 April 2017

13 April 2017

13 April 2017

14 Out berry and an analysis and an analysis in North East Region

15 April 2017

16 Out berry and an analysis and an analysis in North East Region

16 Out berry and an analysis and an analysis in North East Region

18 April 2017

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|---------------|--------------------|---|
| Animal | J | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Seedling | 2 | ♣ Fruit palnt should be planted in a |
| MANDARIN | transplanting | KOLASIB | sunny and wind-protected area. |
| AND ACID | stage | KOLKOID | In the citrus belt, trees can be planted |
| LIME | Stage | AL AL | at any time, however, spring is the best |
| | (| 3 4 / | time for container grown plants. |
| BANANA | 7 | | ♣ Standard-size trees should be spaced |
| | 1 | 2 5 | 12 to 25 feet apart and dwarf trees |
| | | | should be set 6 to 10 feet apart. The |
| STAR FRUIT | ∑ MAMIT | | exact distance depends on the variety. |
| | J. maximi r | 4 | The bigger the fruit, the farther |
| PLUM AND | 3 | AIZAVIL | the distance. |
| | 1 | | If the soil is not well-drained, plant the |
| PEACH | | 1 | trees on a slight mound to |
| | 1 | 1 66 | prevent water logging. |
| | | 1 3 15 | Mulching should be done with dry |
| | W. (| | grasses near the tree base to conserve |
| | 1.2 | 1 | soil moisture during winter. |
| | | SERCHH | The young fruit plant must be irrigated at weekly interval for better |
| | | W. Land | establishment. |
| | | Gummosis, citrus | Die back - Due to low temperature and |
| | | Canker, Citrus | humidity disease appearance will more. |
| | | greening, | Use Bordeaux past in tree trunk, twigs and |
| | / | Dieback, Lamon | branches protect healthy plant from soil |
| | | butterfly and leaf | borne disease. |
| | 7 | minor | Lamon butterfly- Spray monocrotophos |
| | h | (~ | @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5) |
| | 1 | D1 | ml/lit of water) at each flush |
| | | (B A | emergence. |
| | | | Citrus Canker - Apply bacterimycin |
| | | 2 | @0.6 g/lt of water. |
| Passion Fruit | Transplanting | | High yielding mother vine with good |
| | stage | LAWNGTLAN | quality fruits and free of virus diseases |
| | 20050 | # SAIHA | |
| | | | A cutting should contain at least 3 |
| | | | buds and must be planted in sand |
| | | F) (| beds. |
| | | NYN | 2 Page |

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| PLANTATION CROP COFFEE Bloom stag | To the second se | ♣ Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. ♣ The flowering emergence will come out after 55-60 days after chemical spraying. ♣ Apply split doses of fertilizer @ 60: |
|------------------------------------|--|---|
| COFFEE Bloom |) Concur | 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. |
| | | ♣ 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 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 |

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| | | | | interval. |
|-------------|---------------|-----------------|-----|---|
| Rubber | Nursery stage | | 4 | Clearing operation may be done during |
| | | | | the month of February to April. |
| | | / | 4 | Make fire line to protect the young tree |
| | 3 1 | 2 | | and seedlings. |
| | | Vi managarana (| 4 | 10-12 kg of well rotten organic manure |
| | | KOLASIB | Ü. | and 225 gm rock phosphate should be |
| | 1 | 1 x | 335 | apply at time of planting to each pit as |
| | 7 | 7 | | basal dose application. |
| CEREALS AND | PULSE CROPS | | | |
| Pre Kharif | Transplanting | 2 5 | 4 | Water level shall be maintained for |
| Rice | stage | > >/ | | better transplant. |
| | 5 | | | Plough the field two to three times. |
| | 7 MAMIT | 4 | - | According to weather forecast next five |
| | \{ \ | AIZAVVL | 31 | days rainfall possibility is less so make |
| | | | | a bun around the field and close all out |
| |) | 1 | | late for well maintenance of water in |
| | 1 | 3 6 6 | | the field. |
| | | 1 3 10 | - | Transplant 2-3 seedlings in one place for avoid gap filling. |
| | 1 (| | _ | Spacing should be 20 cm row to row |
| | 12 | - | _ | and 15 cm plant to plant. |
| | | SERCHH | T . | Keep some seedlings in nursery or |
| | | Value 1 | | corner of the field for gap filling. |
| Jhum Rice | Germination | | 4 | According to weather forecast |
| | stage | 7 | | possibility of rainfall is very less and |
| | stuge | | - | maximum temperature will be high so |
| | | LUNGLEI | | maintain the moisture level in the field. |
| | 7 | manton element | 4 | If possible use straw mulch/ grass |
| | | 60 | 3 | mulch in row to prevent moisture loss |
| | 5 | (~ | | and better growth of plant. |
| Maize | Vegetative | 3 | 4 | According to weather forecast |
| (Jhum) | stage | 19 A | | possibility of rainfall is very less and |
| | 8 | | | maximum temperature will be high so |
| | | | | maintain the moisture level in the field. |
| | | | - | Earthing up soil for better growth and |
| | | LAWNGTLAL | | stability in root zone. |
| | | / SAIHA | - | Use split dose of any nitrogenous fertilizer for better growth. |
| | | | 4 | If possible use straw mulch/ grass |
| | | | -\ | mulch in row to prevent moisture loss |
| | | EU C | | mater in tow to prevent moisture loss |

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| Rabi Maize | Harvesting stage | | # | and better growth of plant. Harvest all mature cobs from the plant. Keep the cob for sun dry, so moisture level will be maintain. |
|------------------------|---------------------|-----------|----|---|
| | | KOLASIB | + | Thresh the seeds from cob and keep for drying. Dry straw should keep for mulching in the field. |
| VEGETABLE CR | OP | | | |
| Cowpea | Vegetative stage | 35 | # | According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. |
| | A MAMIT | AIZAVVL | | Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous |
| | 1 | | | fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. |
| Okra | Vegetative stage | SERCHH | IF | According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Earthing up soil for better growth and stability in root zone. |
| | 1 | LUNGLEI ~ | * | Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. |
| Ginger and turmeric | Sowing stage | LAWNGTLAN | + | Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with |
| | | SAIHA | | 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one |

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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| | | | month and 25% at flowering stage. |
|---------------|----------------------|---|---|
| Colocasia | Sowing stage | 1 | ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted |
| | | KOLASIB | 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg. |
| ANIMAL HUSBEI | NDARY | | |
| Pig | All stages | | ♣ As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. ♣ Regularly monitor their level of 'fitness' and increase their feed intake to |
| | 1 | AIZAWL | maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. |
| | | Porcine Reproductive Respiratory Syndrome CHH (PRRS). | Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | LUNGLEI | Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw. |
| | All age group | Foot and Mouth Disease (FMD) | FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually |
| Poultry | Litter management | SAIHA | Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. |

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| | | KOLASIB O-3 rd week | 4 | Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed Ranikhet Disease- F1 vaccine at (1-6) |
|---------|------------------------|-------------------------|---|---|
| | Preventive measures | 0-3 M Week | 4 | days of birth and R ₂ B vaccine for adult birds. B complex with antibodies |
| | } MAMIT | 4th weeks | | Coccidiosis- Amprolium or coccidiostat |
| | 2 | 4-5 th Weeks | | Calcium tonic fortified with B ₁₂ |
| FISHERY | Pond preparation | 3rd-4th weeks | 4 | Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. |
| | | SERCHI | + | Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. |
| | | LUNGLEI | 1 | After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm. |
| | | LAWNGTLAL | | 7 Page |

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SAIHA

LAWNGTLAL

CHAMPAL

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District: Lawngtlai Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/Mizo

Date of issue: 12th May, 2017

| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
|-------------------|------------|------------|------------|------------|-----------------|
| Rainfall (mm) | 0 | 3 | 0 | 0 | 55 |
| Max Temp (°C) | 35 | 33 | 34 | 33 | 31 |
| Min Temp (°C) | 23 | 24 | 23 | 24 | 24 |
| Cloud Coverage | Clear sky | Clear sky | Clear sky | Clear sky | Partially clear |
| Max RH (%) | 88 | 88 | 93 | 94 | 97 |
| Min RH (%) | 30 | 40 | 40 | 38 | 44 |
| Wind Speed (KmpH) | 4 | 6 | 6 | 6 | 5 |
| *Wind Direction | E | S-E | S-E | S-E | E |
| | | | | | |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):27-31°C

Minimum Tem. (°C):21-23°C Maximum RH (%):90-98% Minimum RH (%):64-91% Wind Direction: Easterly

Cloud cover: Mainly clear Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

13th May- 17th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-35°C a ni ang a. A vawh lai ber in 23-24°C ni tura beisei a ni. RH san lai berin 88-97% leh a hniam lai berin 30-44% ni tur a rin niin. Thli hi darkar khatah 4-6 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: 58.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal | | | | |
|---------------------------------------|----------------------------|---|--|--|--|--|--|
| Animal | | practices/ Pest/ | 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 | | | | |
| BANANA | } | \$35 | 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. | | | | |
| STAR FRUIT | A 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 | | | | |
| PLUM AND PEACH | | Gummosis, citrus | keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang | | | | |
| | } | canker, citrus greening and Dieback | 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 | \ | hmain an thliar hrang leh vek thin ani. |
| | Coffee Berry | ♣ A hun takah leh fimkhhur taka seng tur |
| | borer | ani. |
| (| 50101 | ♣ Hmaih neih nuaih loh tur ani. |
| | LA. | ♣ Sneg hmaih te lakkhawma paih vek tur |
| (| 3 1 | ani. |
| (| | Seng bang zawng zawng chu uluka taka |
| 1 | 3 | paih fai vek tur ani. |
| | 3 | ♣ A thlai vennan a rah tlai ho chu paih vek |
| S | 117 | tur ani. |
| J MA | MIT (| Hmun dam lutukah dah loh tur. |
| 5 | AIZAVIL I | Boruak tha taka a hmuh theih nan leh a |
| 7 | No. | rawn chawr no theih nan thlai chu uluk |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |) | tak a hlawi tur ani. |
| 1 | 1 | Chuan hei hian kah tur ani. Quinalphos 25 |
| 3 | (4) | EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit. |
|) | | In leh loa sawngbawln a a ro dan tur |
| 2\alpha | | tawkah chuan: Arabica / robusta |
| | SERCHH | |
| | SERCHI | robusta cherry 11.0%. |
| | Coffee Rust | ♣ Natna hrik in a khawih tawh a hnah leh a |
| 1 | | dang te paihpaih vek tur ani. |
| 1 | 2.8 | ♣ Bordeaux mixture 0.5% in February - |
| 1 | | March (Pre-bloom) a kah phawt a, |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | LUNGLEI | Oxycarboxin 0.03% in May - June (Pre- |
| | Alle Modern Charles | monsoon) ah kah chhunzawm tur ani. |
| CEREALS AND PULSE CROPS | | |
| Rabi Maize A chin hu | n 🛴 💮 | → Vaimim chinna tur atan lei kan let |
| | 111 | phut darh anga. |
| | | Hei hian a rawn to chhuah na tur atan |
| | 0701 | a pui dawn a ni. |
| | 1 6 3 | A chi chu kan lei leh saah chuan kan |
| | (| dah ang. |
| | | A chi chu Thiram @4 g/kg seed hian ak |
| | LAWNGTLAL | sawngbawl hmasa anga. |
| | / SAIHA | |
| | | vel viau ani. |
| | | A chi tuh hma in lei leh FYM @5-10 |
| | 2 6 | t/ha leh 80:60:40 kg N, P ₂ O ₅ leh |
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| | | | 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 | AIZAVIL | 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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| | 57 | 1 | awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb ② 2gm ah tui leter 1 pawlha kah |
|-------------------|---------------|-----------------------|---|
| Onion and | Nursery stage | Poly house | tur ani. A than a that theih nan nikhat danah |
| capsicum | MAMIT | AIZAWL | 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 | 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 | LAWNGTLAN | 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 | Porcine Reproductive Respiratory | 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 | Syndrome (PRRS). | CHAMPAI |
| | 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 |
| | 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 | 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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| | Preventive measures | 0-3 rd week | 4 | Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan |
|---------|---------------------------------------|--|------|---|
| | } | 4th weeks | # | a puitlingh chuan R_2B vaccine pek tur ani. B complex with antibodies Coccidiosis- Amprolium or coccidiostat |
| | / MAMIT | 4-5 th Weeks | 4 | Calcium tonic fortified with B ₁₂ |
| FISHERY | 1 | ATZAWL | CHA | MPAI |
| | Pond preparation (Dil buatsaih) | 3 rd -4 th weeks | | Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin. |
| | | SERCHI | IP (| Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani. |
| | | A LAWNGTI ALL | 7 | Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani. |
| | | SAIHA | | 710000 |
| | | | | 7 P a g e |

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 13 May - 17 May, 2017

Bulletin No: - 700/2017/ Bulletin/English

| | 1999 | E. S. | 4.5 | | |
|-------------------|------------|-----------------|--------------|--------------|---------------|
| Parameters | 13.05.2017 | 14.05.2017 | 15.05.2017 | 16.05.2017 | 17.05.2017 |
| Rainfall (mm) | 3 | 5 | 0 | 0 | 54 |
| Max Temp (°C) | 33 | 31 | 33 | 33 | 30 |
| Min Temp (°C) | 25 | 24 | 23 | 23 | 24 |
| Cloud Coverage | Clear sky | Partially clear | Mainly clear | Mainly clear | Mainly cloudy |
| Max RH (%) | 92 | 92 | 94 | 96 | 99 |
| Min RH (%) | 28 | 48 | 39 | 39 | 46 |
| Wind Speed (KmpH) | 2 | 5 | 4 | 3 | 4 |
| *Wind Direction | E | S-E | S-E | S-E | E |

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

Date of issue: 12th May, 2017

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):16-17°C Maximum RH (%):88-99% Minimum RH (%):71-94% Wind Direction: Easterly Cloud cover: Mainly clear

Rainfall: 00.0 mm

Wind speed: 2-4 km/hr

Weather forecast valid from 13th May, 2017 To 17thMay, 2017.

There are chances of heavy to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 23-25°C. Maximum relative humidity is expected in the range of 92-99% and minimum may from 28-48%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 2-5 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 62.0 mm

NDVI for Mizoram

North East Region

13 April 2017

13 April 2017

13 April 2017

13 April 2017

Agriculture vigour is moderate over most of the parts in N

Moderately wet mildly dry/mildly wet conditions

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| Main Crop/ | Stage | Cultural | Agricultural / Horticultural/ animal |
|---------------|---------------|--------------------|---|
| Animal | J | practices/ Pest/ | husbandry advisories |
| /Fisheries | | Diseases | |
| FRUITS CROPS | | | |
| KHASI | Seedling | 2 | ♣ Fruit palnt should be planted in a |
| MANDARIN | transplanting | KOLASIB | sunny and wind-protected area. |
| AND ACID | stage | KOLKOID | In the citrus belt, trees can be planted |
| LIME | Stage | AL AL | at any time, however, spring is the best |
| | (| 3 4 / | time for container grown plants. |
| BANANA | 7 | | ♣ Standard-size trees should be spaced |
| | 1 | 2 5 | 12 to 25 feet apart and dwarf trees |
| | | | should be set 6 to 10 feet apart. The |
| STAR FRUIT | ∑ MAMIT | | exact distance depends on the variety. |
| | J. maximi r | 4 | The bigger the fruit, the farther |
| PLUM AND | 3 | AIZAVIL | the distance. |
| | 1 | | If the soil is not well-drained, plant the |
| PEACH | | 1 | trees on a slight mound to |
| | A. | 1 600 | prevent water logging. |
| | | 1 3 1 | ♣ Mulching should be done with dry |
| | W. (| | grasses near the tree base to conserve |
| | 1.2 | 1 | soil moisture during winter. |
| | | SERCHH | The young fruit plant must be irrigated at weekly interval for better |
| | | W. Land | establishment. |
| | | Gummosis, citrus | Die back - Due to low temperature and |
| | 4 | Canker, Citrus | humidity disease appearance will more. |
| | | greening, | Use Bordeaux past in tree trunk, twigs and |
| | / | Dieback, Lamon | branches protect healthy plant from soil |
| | | butterfly and leaf | borne disease. |
| | 7 | minor | Lamon butterfly- Spray monocrotophos |
| | * | (~ | @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5) |
| | 1 | J\ \ | ml/lit of water) at each flush |
| | | (B A | emergence. |
| | | | Citrus Canker - Apply bacterimycin |
| | | 2 | @0.6 g/lt of water. |
| Passion Fruit | Transplanting | | ♣ High yielding mother vine with good |
| | stage | LAWNGTLAN | quality fruits and free of virus diseases |
| | 20050 | # SAIHA | should be selected to provide cuttings. |
| | | | A cutting should contain at least 3 |
| | | | buds and must be planted in sand |
| | | F) (| beds. |
| | | N | 2 Page |

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| | | KOLASIB | Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. |
|-----------|-------------------|---------|---|
| Pineapple | Flowering | AIZAVIL | Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. |
| COFFEE | Blooming stage | LUNGLEI | 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 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 |
| | | F (1) | 3 P a g e |

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4 | P a g e

| | | | | interval. |
|-------------|---------------|--------------|-----|--|
| Rubber | N | | | Clearing operation may be done during |
| Rubber | Nursery stage | | - | the month of February to April. |
| | | | - | Make fire line to protect the young tree |
| | 7 / | 5 | - | and seedlings. |
| | 1 13 | () | 40 | 10-12 kg of well rotten organic manure |
| | | KOLASIB | .00 | and 225 gm rock phosphate should be |
| | + | | 8 | apply at time of planting to each pit as |
| | | WA 3 | | basal dose application. |
| CEREALS AND | PILSE CROPS | (a / | | basai dosc application. |
| Pre Kharif | Transplanting | | 4 | Water level shall be maintained for |
| Rice | | | _ | better transplant. |
| Rice | stage | / | 4 | Plough the field two to three times. |
| |) MAMIT | 1 | | According to weather forecast next five |
| | (| 1 | 5 | days rainfall possibility is less so make |
| | 1 | A IZAVVL | 9 | a bun around the field and close all out |
| | (| | | late for well maintenance of water in |
| | 1 | S | | the field. |
| | 4 | 122 | 4 | Transplant 2-3 seedlings in one place |
| |) & | | - | for avoid gap filling. |
| | 1.5 | | 4 | Spacing should be 20 cm row to row |
| | | SERCHH | 100 | and 15 cm plant to plant. |
| | | (Survey | 4 | Keep some seedlings in nursery or |
| | | 188 | | corner of the field for gap filling. |
| Jhum Rice | Germination | | 4 | According to weather forecast |
| | stage | | | possibility of rainfall is very less and |
| | | may messeria | | maximum temperature will be high so |
| | | LUNGLEI | _ | maintain the moisture level in the field. |
| | 7 | | * | If possible use straw mulch/ grass |
| | V. | 5% | | mulch in row to prevent moisture loss |
| Ma! | Transfer the | | | and better growth of plant. |
| Maize | Vegetative | 2 | - | According to weather forecast possibility of rainfall is very less and |
| (Jhum) | stage | | | maximum temperature will be high so |
| | | 1 63 4 | | maintain the moisture level in the field. |
| | | | 4 | Earthing up soil for better growth and |
| | | 1 | | stability in root zone. |
| | | LAWNGTLAN | 4 | Use split dose of any nitrogenous |
| | | SAIHA | _ | fertilizer for better growth. |
| | | | 4 | If possible use straw mulch/ grass |
| | | 1 521 | 7 | mulch in row to prevent moisture loss |
| | | En C | | • |

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| | | | | and better growth of plant. |
|---------------|--------------|----------------|---------|---|
| Rabi Maize | Harvesting | | 4 | Harvest all mature cobs from the plant. |
| | stage | | | Keep the cob for sun dry, so moisture |
| | | | | level will be maintain. |
| | 3 1 | 1 | 4 | Thresh the seeds from cob and keep for |
| | | V | | drying. |
| | | KOLASIB | 4 | Dry straw should keep for mulching in |
| | 1 | 100 | Section | the field. |
| VEGETABLE CRO | OP | | | |
| Cowpea | Vegetative | | 4 | According to weather forecast |
| | stage | | | possibility of rainfall is very less and |
| | |) 51 | | maximum temperature will be high so |
| | Summer | | | maintain the moisture level in the field. |
| | 7 MAMIT | 1 | - | Earthing up soil for better growth and |
| | { | & AIZAVIL 1 | ÖI. | stability in root zone. |
| | | | - | Use split dose of any nitrogenous |
| |) | 1 | | fertilizer for better growth. |
| | 1 | 3 6.7 | - | If possible use straw mulch/ grass |
| | | 1 3 10 | | mulch in row to prevent moisture loss and better growth of plant. |
| Okra | Vogototivo | | - | According to weather forecast |
| OKra | Vegetative | | | possibility of rainfall is very less and |
| | stage | SERCHH | IF. | maximum temperature will be high so |
| | | V L | | maintain the moisture level in the field. |
| | 4 | | 4 | Earthing up soil for better growth and |
| | | | | stability in root zone. |
| | | | 4 | Use split dose of any nitrogenous |
| | | LUNGLEI | | fertilizer for better growth. |
| | 5 | ALEXA ELECTRIC | + | If possible use straw mulch/ grass |
| | | Co. | | mulch in row to prevent moisture loss |
| | <u> </u> | η (Ξ | | and better growth of plant. |
| Ginger and | Sowing stage | 31 | + | Rhizome should be treated with Thiram |
| turmeric | | 1 7 6 | 1.0 | @4 g/kg seed. |
| | 5 | | 7 | Use optimum seed rate (50-60 kg/ha) |
| | | | 4 | for desire plant population. |
| | | | 7 | Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with |
| | | LAWNGTLAND | | 120:80:60 kg N, P_2O_5 and K_2O/ha |
| | | / SAIHA | | incorporate with soil before sowing. |
| | | | - | Half nitrogen dose will use at the time |
| | | | - | of sowing and remaining 25% after one |
| | | D 0 | | or so ming and remaining 20% after one |

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| | | | month and OFO/ at flamening atoms |
|---------------|---------------|----------------|---|
| Colocasia | Coming store | | month and 25% at flowering stage. # Planting is done well prepared land or |
| Colocasia | Sowing stage | | pits filled up with FYM (12-15) t/ha |
| | | | Sprouted corms or cormels are planted |
| | 7 1 | 1 | 5-7 deep at a spacing of 40-50 cm |
| | | | between and within rows in the pits. |
| | | KOLASIB \ | Inorganic fertilizer like Urea, SSP and |
| | 1 | | MOP @ 220: 375: 134 kg. |
| ANIMAL HUSBEN | VDARY | 7 6 | |
| Pig | All stages | | 4 As the weather gets colder, your pigs' |
| | | 5 6 | energy requirement will increase, as |
| | | | they need more energy to keep warm. |
| | (\$\delta\) | | Regularly monitor their level of 'fitness' |
| | 7 MAMIT | 1 | and increase their feed intake to |
| | 5 | AIZAVIL | maintain. |
| | | A comment of | Fish oils are excellent for providing |
| |) |) | slow-release energy with the added |
| | 1 | 1 | advantage of a high level of omega-3. |
| | | Porcine | 1. Culling of positive pigs or piglets. |
| | 1. 0 | Reproductive | 1 |
| | 12 | Respiratory | 2 1 |
| | | Syndrome CHH | IP (|
| | | (PRRS). | |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 |
| | | | months and yearly interval/6 month interval |
| Cattle | All age group | | • Due to prolong dry spell there is a |
| Cattic | An age group | LUNGLEI | shortage of green grass in the field. |
| | 3 | | For balanced diet and nutrition to |
| | | 00 | your cattle, provide urea molasses |
| | 7 | 0 | treated paddy straw. |
| | All age group | Foot and Mouth | • FMD vaccine at 16 week and repeat |
| | ago groap | Disease (FMD) | every 6 month. |
| | Young stage | Black Quarter | Black Quarter Vaccine (BQV). |
| | | (BQ) | • Primary vaccination 6 month or above |
| | | LAMMET ALS | Revaccination annually |
| Poultry | Litter | HOW MAN LEDY | Birds require adequate space sufficient |
| | management | SAIHA | feed to meet their nutritional |
| | | | requirements and an adequate supply |
| | | 1 2 1 | of good-quality water. |
| | | | W |

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| FISHERY | Preventive measures | 0-3 rd week 4th weeks | 4 | Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
|---------|------------------------|-------------------------|---------------|---|
| | } MAMIT | 4th weeks | - | B complex with antibodies |
| | A CONTRACTOR | | | Coccidiosis- Amprolium or coccidiostat |
| | | 4-5 th Weeks | in the second | Calcium tonic fortified with B ₁₂ |
| | Pond reparation | 3rd-4th weeks | CH/ | Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. |
| | | SERCH | HIP | Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. |
| | 1 | LUNGLEI | + | After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm. |
| | | LAWNGTLAL | Α . | |

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