



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha

Period: 08thMay–12th May, 2019

Bulletin No: - 877/2019/ Bulletin/English

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	32	34	35	34
Min Temp (°C)	22	22	22	22	23
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	83	80	62	67	77
Min RH (%)	37	27	24	23	23
Wind Speed (Kmph)	7	8	9	9	8
*Wind Direction	E	E	S-E	S-E	E

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

Weather summary of the past three days

Maximum Tem. (°C):25-29°C
Minimum Tem. (°C):19-20°C
Maximum RH (%):87-97%
Minimum RH (%):52-71%
Wind Direction: Southeasterly
Cloud cover: Mainly clear sky
Wind speed: 1.67 km/hr

Rainfall: 19.4 mm

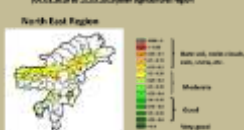
Weather forecast valid from 08thMay, 2019 To 12thMay, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-35°C and 22-23°C. Maximum relative humidity is expected in the range of 62-83% and minimum may from 23-37%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 7-9 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

MIMD/CVRS/2019/NDVI/NDVI Composite and/or any details see 18 194.03.2019 to 20.03.2019 (over Agricultural region)



Agriculture region is moderate over many parts of NE Region.

A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

Possibility of rainfall will be high and temperature will be less. Following general measures should be taken by farmers.

- ✚ Harvest all mature crops and proper sun dry for preservation of seed.
- ✚ Application of fertilizers/manure can be done during clear/dry days
- ✚ Check of vaccination schedule in poultry/livestock.



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	Fall Armyworm KOLASIB	➤ To manage 2nd and 3rd instars larvae at 10-20 % damage spray Emamectin benzoate @ 0.4 g/l of water OR Spinosad @ 0.3 ml/l of water OR Thiamethoxam 12.6% + lambdacyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water.
Jhum Rice	Land Preparation/ Sowing	AIZAWL	➤ Jhum land may be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Make structures to avoid runoff in the slope, ➤ Sowing during clear/dry days ➤ Intercropping of leguminous crops (cowpea /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated.□
Fruits/ cash crop			
Turmeric and ginger	Sowing stage	LUNGLEI	➤ Remove all existing stable from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place
Kiwi	Pruning/ Training	LAWNGTLAI	➤ Diseased and senile branches should be removed. ➤ Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering. ➤ Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation□
Vegetable			



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Cucurbitaceous crops (Gourd, pumpkin, ridge gourd, ash gourd, spine gourd)	Sowing stage		➤ Jhum land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Cowpea/ Bhindi	Vegetative stage		➤ No irrigation will be required. Maintain good drainage in the field to avoid stagnant water. ➤ Postpone application of mixed fertilizer, N-P-K, 19-19-19 as foliar spray for next one or two days due to rain.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group		➤ Vaccination against Ranikhet at 4 days of birth and boost dose after 1 month of age
Pig	All stages		✚ The bedding is always. ✚ If possible wooden sleeping box should be provided. ✚ Provide artificial heat source to new born piglets.
Cow			✚ Balanced feeding of dairy animals and allow calf suckling immediately after parturition. ✚ Full hand milking should be practiced. ✚ Frequent incomplete milking at interval of 4hrs should be practiced after parturition for minimum 1 week. Afterwards complete milking in a day is recommended.
Fishery			
	Pond renovation	Bacterial disease	✚ To avoid bacterial disease liming should be done @10kg/Bigha. ✚ FYM 2400 kg and Lime 80 kg per bigha may be applied in new constructed pond.



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Weather summary of the past three days	08thMay-13thMay, 2019 chungsa sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):25-29°C Minimum Tem. (°C):19-20°C Maximum RH (%):87-97% Minimum RH (%):52-71% Wind Direction: Southeasterly Cloud cover: Mainly clear sky Wind speed: 1.67 km/hr Rainfall: 19.4 mm	Tun ni 5 chung 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 berin 22-23°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 62-83% leh a hniam lai berin 23-37% ni tur a rin niin. Thli hi darkar khatah 7-9 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0 mm	
NDVI for Mizoram	 NDVI (Normalized Difference Vegetation Index) is a measure of vegetation density and health. It is calculated as (NIR - Red) / (NIR + Red). The map shows the North East Region of India, with Mizoram highlighted in green, indicating good to very good vegetation health.	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	FAW a lo pun a 100 ah 10-20% a tih chhiat tawh chinah chuan heng pesticides emaw ber hmanh hian enkawl tur a ni. Ememectin benzoate @0.4 ml/1 litre tuipawlh emaw Spinosad @0.3 ml/1 litre tuipawlh emaw Thiamethoxam 12.6% + Lambdacyhalothrin 9.5% @0.5 ml/litre tuipawlh emaw Chlorantraniliprole 18.5% SC @0.4 ml/1 litre tuipawlh.
Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	- Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. - Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. - Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. - Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
Thei			
Sawhthing (Ginger)	Chi tuh hun	LUNGLEI	- Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. - Sawhthing kan lin hma in Bavistin 2 g/lit ahsawhthing thlar/ chi chu kan chiaah in buatsaih thin tur ani.
Kiwi	Pruning/ Training	LAWNGTLA	- Natna kai leh a tang upa ho paih bo tur. - Tha zawka a par theih nan a kung zar khat atangin a chawr no/tiak no 8-10 dah bang in a bak zawng hlawi thlak tur a ni. - A zar chawr no zinga a tha zual 4-5 te chu a tiak a tan hman theih a ni. □
Thlai			



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Mai /Um ei chi ho	Chi tuh hun		➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Behlawi/ bawrhsaiabe	A than duh hunlai/ a kung par hma	KOLASIB	➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed fertilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh	AIZAWL	➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh	SEPHAKH	✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuhsak tur a ni.
Bawng		LUNGLEI	✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigha hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigha chu tuikhuah siam thar ah chuan chhun luh tur a ni.



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Max RH (%)	91	88	80	94	98
Min RH (%)	45	33	35	31	35
Wind Speed (Kmph)	6	8	9	9	8
*Wind Direction	S-E	S-E	S-E	S	S

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

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Cloud cover: Mainly clear sky
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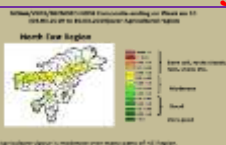
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Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

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Greengram and black gram	Sowing stage	SERCHHI	➤ Land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Fruits/cash crop			
Mandarin	After Harvesting/ transplanting stage	LUNGLEI	➤ Remove water sprouts in mandarin. ➤ During sunny days, spray Metalaxyl MZ 72@2.75g/lit or fosetyl A1@2.5g/lit fungicide on the tree covering the whole plant canopy against Phytophthora. ➤ During clear/dry days, spray Dimethoate 30EC@1ml/l of water.
Turmeric and ginger	Sowing stage	LAWNGTLAI	➤ Remove all existing stable from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place



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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/Mizo

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	30	33	33	34	35
Min Temp (°C)	22	22	22	22	23
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	91	88	80	94	98
Min RH (%)	45	33	35	31	35
Wind Speed (Kmph)	6	8	9	9	8
*Wind Direction	S-E	S-E	S-E	S	S

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

Weather summary of the past three days	08thMay-13thMay, 2019 chungsa sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):27-29°C Minimum Tem. (°C):17-21°C Maximum RH (%):86-98% Minimum RH (%):56-74% Wind Direction: Southeasterly Cloud cover: Mainly clear sky Wind speed: 1.37 km/hr	Tun ni 5 chung 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 berin 22-23°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 80-98% leh a hniam lai berin 31-45% ni tur a rin niin. Thli hi darkar khatah 6-9 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0 mm	
Rainfall: 19.5 mm		
NDVI for Mizoram	 North-East Region 0.4 to 0.5: Low 0.5 to 0.6: Moderate 0.6 to 0.7: Good 0.7 to 0.8: Very good NDVI (Normalized Difference Vegetation Index) is a measure of vegetation health and density. It is calculated as (NIR - Red) / (NIR + Red), where NIR is Near Infrared and Red is the visible red light. NDVI values range from -1 to 1, with 0 representing bare soil and 1 representing dense vegetation. The map shows that most of Mizoram has NDVI values between 0.6 and 0.8, indicating good to very good vegetation health.	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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



Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ FAW a lo pun a 100 ah 10-20% a tih chhiat tawh chinah chuan heng pesticides emaw ber hmanh hian enkawl tur a ni. Ememectin benzoate @0.4 ml/1 litre tuipawlh emaw Spinosad @0.3 ml/1 litre tuipawlh emaw Thiamethoxam 12.6% + Lambdacyhalothrin 9.5% @0.5 ml/litre tuipawlh emaw Chlorantraniliprole 18.5% SC @0.4 ml/1 litre tuipawlh.
Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	➤ Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. ➤ Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. ➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
Greengram and black gram	Chi tuh hun	LUNGLEI	➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Thei			
Serthlum (Mandarin)	Seng tawh hnu/phunsawn hun		➤ A chawr no/zik no paih bo tur. ➤ Khaw that tumin Phytophthora natna laka vennis Metalaxyl MZ 72@2.75g/lit emaw fosetyl A1@2.5g/lit fungicide chu a kung pumpui a kah chhuah vek tur a ni.
Sawhthing (Ginger)	Chi tuh hun	LAWNGTLA	➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Sawhthing kan lin hma in Bavistin 2 g/lit ahsawhthing thlar/ chi chu kan chiah in buatsaih thin tur ani.



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Thlai			
Mai /Um ei chi ho	Chi tuh hun		➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Behlawi/ bawrhaisaiabe	A than duh hunlai/ a kung par hma		➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed feritilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh		➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh		✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuahsak tur a ni.
Bawng			✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigga hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigga chu tuikhuah siam thar ah chuan chhun luh tur a ni.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/English

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	30	33	35	34	35
Min Temp (°C)	22	22	22	23	24
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	84	85	81	98	99
Min RH (%)	43	33	34	33	36
Wind Speed (Kmph)	7	8	9	9	9
*Wind Direction	S	S	S	S	S

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

Weather summary of the past three days

Maximum Tem. (°C):29-30°C
Minimum Tem. (°C):20-21°C
Maximum RH (%):78-94%
Minimum RH (%):52-69%
Wind Direction: Southerly
Cloud cover: Mainly cloudy sky
Wind speed: 1.32 km/hr

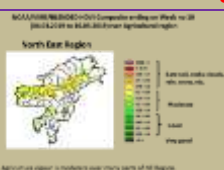
Rainfall: 28.5 mm

NDVI for Mizoram

Weather forecast valid from 08thMay, 2019 To 12thMay, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-35°C and 22-24°C. Maximum relative humidity is expected in the range of 81-99% and minimum may from 33-43%. Wind direction would be southerly with the wind speed of 7-9 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm



A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

Possibility of rainfall will be high and temperature will be less. Following general measures should be taken by farmers.

- ✚ Harvest all mature crops and proper sun dry for preservation of seed.
- ✚ Application of fertilizers/manure can be done during clear/dry days
- ✚ Check of vaccination schedule in poultry/livestock.



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	Fall Armyworm KOLASIB	➤ To manage 2nd and 3rd instars larvae at 10-20 % damage spray Emamectin benzoate @ 0.4 g/l of water OR Spinosad @ 0.3 ml/l of water OR Thiamethoxam 12.6% + lambdacyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water.
Jhum Rice	Land Preparation/ Sowing	AIZAWL	➤ Jhum land may be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Make structures to avoid runoff in the slope, ➤ Sowing during clear/dry days ➤ Intercropping of leguminous crops (cowpea /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated. □
Greengram and black gram	Sowing stage	SENGHAI	➤ Land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Fruits			
Mandarin	After Harvesting/ transplanting stage	LUNGLEI	➤ Remove water sprouts in mandarin. ➤ During sunny days, spray Metalaxyl MZ 72@2.75g/lit or fosetyl A1@2.5g/lit fungicide on the tree covering the whole plant canopy against Phytophthora. ➤ During clear/dry days, spray Dimethoate 30EC@1ml/l of water.
Turmeric and ginger	Sowing stage	LAWNGTLAI	➤ Remove all existing stable from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place



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Vegetable			
Cucurbitaceous crops (Gourd, pumpkin, ridge gourd, ash gourd, spine gourd)	Sowing stage	KOLASIB	➤ Jhum land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Cowpea/ Bhindi	Vegetative stage	MAMIT	➤ No irrigation will be required. Maintain good drainage in the field to avoid stagnant water. ➤ Postpone application of mixed fertilizer, N-P-K, 19-19-19 as foliar spray for next one or two days due to rain.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	AIZAWL	➤ Vaccination against Ranikhet at 4 days of birth and boost dose after 1 month of age
Pig	All stages	SERCHHI	✚ The bedding is always. ✚ If possible wooden sleeping box should be provided. ✚ Provide artificial heat source to new born piglets.
Cow		LUNGLEI	✚ Balanced feeding of dairy animals and allow calf suckling immediately after parturition. ✚ Full hand milking should be practiced. ✚ Frequent incomplete milking at interval of 4hrs should be practiced after parturition for minimum 1 week. Afterwards complete milking in a day is recommended.
Fishery			
	Pond renovation	Bacterial disease	✚ To avoid bacterial disease liming should be done @10kg/Bigha. ✚ FYM 2400 kg and Lime 80 kg per bigha may be applied in new constructed pond.



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District: Aizawl

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/Mizo

Date of issue: 07thMay, 2019

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Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	84	85	81	98	99
Min RH (%)	43	33	34	33	36
Wind Speed (Kmph)	7	8	9	9	9
*Wind Direction	S	S	S	S	S

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

Weather summary of the past three days	08thMay-13thMay, 2019 chungga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):29-30°C Minimum Tem. (°C):20-21°C Maximum RH (%):78-94% Minimum RH (%):52-69% Wind Direction: Southerly Cloud cover: Mainly cloudy sky Wind speed: 1.32 km/hr Rainfall: 28.5 mm	Tun ni 5 chung 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 22-24°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 81-99% leh a hniam lai berin 33-43% ni tur a rin niin. Thli hi darkar khatah 7-9 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0 mm	
NDVI for Mizoram	NDVI (Normalized Difference Vegetation Index) is a satellite-based index used to assess vegetation health and density. It is calculated as (NIR - Red) / (NIR + Red), where NIR is Near Infrared and Red is the visible red light spectrum. NDVI values range from -1 to 1, with higher values indicating denser vegetation. The legend indicates: Very poor (0.1-0.2), Poor (0.2-0.3), Moderate (0.3-0.4), Good (0.4-0.5), Very good (0.5-0.6).	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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Cereals			
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Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	➤ Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. ➤ Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. ➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
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Thei			
Serthlum (Mandarin)	Seng tawh hnu/phunsawn hun		➤ A chawr no/zik no paih bo tur. ➤ Khaw that tumin Phytophthora natna laka vennis Metalaxyl MZ 72@2.75g/lit emaw fosetyl A1@2.5g/lit fungicide chu a kung pumpui a kah chhuah vek tur a ni.
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Thlai			
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Behlawi/ bawrhaisaiabe	A than duh hunlai/ a kung par hma		➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed feritilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh		➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh		✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuahsak tur a ni.
Bawng			✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigga hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigga chu tuikhuah siam thar ah chuan chhun luh tur a ni.



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai

Period: 08thMay–12th May, 2019

Bulletin No: - 877/2019/ Bulletin/English

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	1	0	0	0	0
Max Temp (°C)	28	31	33	33	34
Min Temp (°C)	21	20	21	21	22
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	97	92	71	71	80
Min RH (%)	46	32	27	23	22
Wind Speed (Kmph)	6	7	8	8	7
*Wind Direction	S-W	S-E	S-E	S	S-W

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

Weather summary of the past three days

Maximum Tem. (°C): 27-29°C
Minimum Tem. (°C): 19-21°C
Maximum RH (%): 85-96%
Minimum RH (%): 55-72%
Wind Direction: Southeasterly
Cloud cover: Partially clear sky
Wind speed: 1.23 km/hr

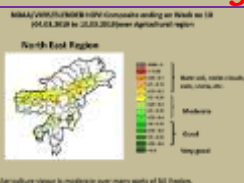
Rainfall: 12.2 mm

Weather forecast valid from 08thMay, 2019 To 12thMay, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-34°C and 20-22°C. Maximum relative humidity is expected in the range of 71-97% and minimum may from 22-46%. Wind direction would be southwesterly to southeasterly to southerly and southwesterly with the wind speed of 6-8 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 01.0 mm

NDVI for Mizoram



A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

Possibility of rainfall will be high and temperature will be less. Following general measures should be taken by farmers.

- ✚ Harvest all mature crops and proper sun dry for preservation of seed.
- ✚ Application of fertilizers/manure can be done during clear/dry days
- ✚ Check of vaccination schedule in poultry/livestock.



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	Fall Armyworm KOLASIB	➤ To manage 2nd and 3rd instars larvae at 10-20 % damage spray Emamectin benzoate @ 0.4 g/l of water OR Spinosad @ 0.3 ml/l of water OR Thiamethoxam 12.6% + lambdacyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water.
Jhum Rice	Land Preparation/ Sowing	AIZAWL	➤ Jhum land may be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Make structures to avoid runoff in the slope, ➤ Sowing during clear/dry days ➤ Intercropping of leguminous crops (cowpea /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated.□
Fruits/plantation crop			
Turmeric and ginger	Sowing stage	LUNGLEI	➤ Remove all existing stable from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place
Kiwi	Pruning/ Training	LAWNGTLAI	➤ Diseased and senile branches should be removed. ➤ Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering. ➤ Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation□
Vegetable			



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Cucurbitaceous crops (Gourd, pumpkin, ridge gourd, ash gourd, spine gourd)	Sowing stage		➤ Jhum land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Cowpea/ Bhindi	Vegetative stage		➤ No irrigation will be required. Maintain good drainage in the field to avoid stagnant water. ➤ Postpone application of mixed fertilizer, N-P-K, 19-19-19 as foliar spray for next one or two days due to rain.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group		➤ Vaccination against Ranikhet at 4 days of birth and boost dose after 1 month of age
Pig	All stages		✚ The bedding is always. ✚ If possible wooden sleeping box should be provided. ✚ Provide artificial heat source to new born piglets.
Cow			✚ Balanced feeding of dairy animals and allow calf suckling immediately after parturition. ✚ Full hand milking should be practiced. ✚ Frequent incomplete milking at interval of 4hrs should be practiced after parturition for minimum 1 week. Afterwards complete milking in a day is recommended.
Fishery			
	Pond renovation	Bacterial disease	✚ To avoid bacterial disease liming should be done @10kg/Bigha. ✚ FYM 2400 kg and Lime 80 kg per bigha may be applied in new constructed pond.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/Mizo

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	1	0	0	0	0
Max Temp (°C)	28	31	33	33	34
Min Temp (°C)	21	20	21	21	22
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	97	92	71	71	80
Min RH (%)	46	32	27	23	22
Wind Speed (Kmph)	6	7	8	8	7
*Wind Direction	S-W	S-E	S-E	S	S-W

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

Weather summary of the past three days	08thMay-13thMay, 2019 chungga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):27-29°C Minimum Tem. (°C): 19-21°C Maximum RH (%):85-96% Minimum RH (%):55-72% Wind Direction: Southeasterly Cloud cover: Partially clear sky Wind speed: 1.23 km/hr	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-34°C a ni ang a. A vawh lai ber in 20-22°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 71-97% leh a hniam lai berin 22-46% ni tur a rin niin. Thli hi darkar khatah 6-8 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 01.0 mm	
NDVI for Mizoram	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.	
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ FAW a lo pun a 100 ah 10-20% a tih chhiat tawh chinah chuan heng pesticides emaw ber hmanh hian enkawl tur a ni. Ememectin benzoate @0.4 ml/1 litre tuipawlh emaw Spinosad @0.3 ml/1 litre tuipawlh emaw Thiamethoxam 12.6% + Lambdacyhalothrin 9.5% @0.5 ml/litre tuipawlh emaw Chlorantraniliprole 18.5% SC @0.4 ml/1 litre tuipawlh.
Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	➤ Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. ➤ Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. ➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
Thei			
Sawhthing (Ginger)	Chi tuh hun	LUNGLEI	➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Sawhthing kan lin hma in Bavistin 2 g/lit ahsawhthing thlar/ chi chu kan chiaah in buatsaih thin tur ani.
Kiwi	Pruning/ Training	LAWNGTLA	➤ Natna kai leh a tang upa ho paih bo tur. ➤ Tha zawka a par theih nan a kung zar khat atangin a chawr no/tiak no 8-10 dah bang in a bak zawng hlawi thlak tur a ni. ➤ A zar chawr no zinga a tha zual 4-5 te chu a tiak a tan hman theih a ni. □
Thlai			



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Mai /Um ei chi ho	Chi tuh hun		➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Behlawi/ bawrhsaiabe	A than duh hunlai/ a kung par hma	KOLASIB	➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed fertilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh	AIZAWL	➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh	SEPHAKH	✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuhsak tur a ni.
Bawng		LUNGLEI	✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigha hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigha chu tuikhuah siam thar ah chuan chhun luh tur a ni.



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



District: Kolasib

Period: 08thMay–12th May, 2019

Bulletin No: - 877/2019/ Bulletin/English

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	33	34	34	33
Min Temp (°C)	22	22	22	23	24
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	85	89	88	92	93
Min RH (%)	38	33	37	37	36
Wind Speed (Kmph)	7	7	7	7	6
*Wind Direction	S-E	S	S	S	S-W

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

Weather summary of the past three days

Maximum Tem. (°C):28-30°C
Minimum Tem. (°C):20-22°C
Maximum RH (%):87-94%
Minimum RH (%):51-76%
Wind Direction: Southeasterly
Cloud cover: Partially clear sky
Wind speed: 1.59 km/hr

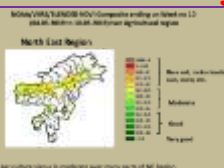
Rainfall: 42.3 mm

Weather forecast valid from 08thMay, 2019 To 12thMay, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-34°C and 22-24°C. Maximum relative humidity is expected in the range of 85-93% and minimum may from 33-38%. Wind direction would be southeasterly to southerly and southwesterly with the wind speed of 6-7 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

Possibility of rainfall will be high and temperature will be less. Following general measures should be taken by farmers.

- ✚ Harvest all mature crops and proper sun dry for preservation of seed.
- ✚ Application of fertilizers/manure can be done during clear/dry days
- ✚ Check of vaccination schedule in poultry/livestock.



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	Fall Armyworm KOLASIB	➤ To manage 2nd and 3rd instars larvae at 10-20 % damage spray Emamectin benzoate @ 0.4 g/l of water OR Spinosad @ 0.3 ml/l of water OR Thiamethoxam 12.6% + lambdacyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water.
Jhum Rice	Land Preparation/ Sowing	AIZAWL	➤ Jhum land may be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Make structures to avoid runoff in the slope, ➤ Sowing during clear/dry days ➤ Intercropping of leguminous crops (cowpea /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated.□
Greengram and black gram	Sowing stage	SERCHHI	➤ Land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Fruits/plantation crop			
Mandarin	After Harvesting/ transplanting stage	LUNGLEI	➤ Remove water sprouts in mandarin. ➤ During sunny days, spray Metalaxyl MZ 72@2.75g/lit or fosetyl A1@2.5g/lit fungicide on the tree covering the whole plant canopy against Phytophthora. ➤ During clear/dry days, spray Dimethoate 30EC@1ml/l of water.
Turmeric and ginger	Sowing stage	LAWNGTLAI	➤ Remove all existing stable from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place



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Vegetable			
Cucurbitaceous crops (Gourd, pumpkin, ridge gourd, ash gourd, spine gourd)	Sowing stage	KOLASIB	➤ Jhum land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Cowpea/ Bhindi	Vegetative stage	MAMIT	➤ No irrigation will be required. Maintain good drainage in the field to avoid stagnant water. ➤ Postpone application of mixed fertilizer, N-P-K, 19-19-19 as foliar spray for next one or two days due to rain.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	AIZAWL	➤ Vaccination against Ranikhet at 4 days of birth and boost dose after 1 month of age
Pig	All stages	SERCHHI	✚ The bedding is always. ✚ If possible wooden sleeping box should be provided. ✚ Provide artificial heat source to new born piglets.
Cow		LUNGLEI	✚ Balanced feeding of dairy animals and allow calf suckling immediately after parturition. ✚ Full hand milking should be practiced. ✚ Frequent incomplete milking at interval of 4hrs should be practiced after parturition for minimum 1 week. Afterwards complete milking in a day is recommended.
Fishery			
	Pond renovation	Bacterial disease	✚ To avoid bacterial disease liming should be done @10kg/Bigha. ✚ FYM 2400 kg and Lime 80 kg per bigha may be applied in new constructed pond.



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/Mizo

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	33	34	34	33
Min Temp (°C)	22	22	22	23	24
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	85	89	88	92	93
Min RH (%)	38	33	37	37	36
Wind Speed (Kmph)	7	7	7	7	6
*Wind Direction	S-E	S	S	S	S-W

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

Weather summary of the past three days	08thMay-13thMay, 2019 chungga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):28-30°C Minimum Tem. (°C):20-22°C Maximum RH (%):87-94% Minimum RH (%):51-76% Wind Direction: Southeasterly Cloud cover: Partially clear sky Wind speed: 1.59 km/hr	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-34°C a ni ang a. A vawh lai ber in 22-24°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 85-93% leh a hniam lai berin 33-38% ni tur a rin niin. Thli hi darkar khatah 6-7 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0 mm	
Rainfall: 42.3 mm		
NDVI for Mizoram	NDVI (Normalized Difference Vegetation Index) is a measure of vegetation health and density. It is calculated using satellite data. The legend indicates the following ranges: Very poor (0.1-0.2), Poor (0.2-0.3), Moderate (0.3-0.4), Good (0.4-0.5), Very good (0.5-0.6). The map shows most of Mizoram in the 'Poor' to 'Moderate' range.	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ FAW a lo pun a 100 ah 10-20% a tih chhiat tawh chinah chuan heng pesticides emaw ber hmanh hian enkawl tur a ni. Ememectin benzoate @0.4 ml/1 litre tuipawlh emaw Spinosad @0.3 ml/1 litre tuipawlh emaw Thiamethoxam 12.6% + Lambdacyhalothrin 9.5% @0.5 ml/litre tuipawlh emaw Chlorantraniliprole 18.5% SC @0.4 ml/1 litre tuipawlh.
Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	➤ Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. ➤ Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. ➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
Greengram and black gram	Chi tuh hun	LUNGLEI	➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Thei			
Serthlum (Mandarin)	Seng tawh hnu/phunsawn hun		➤ A chawr no/zik no paih bo tur. ➤ Khaw that tumin Phytophthora natna laka vennis Metalaxyl MZ 72@2.75g/lit emaw fosetyl A1@2.5g/lit fungicide chu a kung pumpui a kah chhuah vek tur a ni.
Sawhthing (Ginger)	Chi tuh hun	LAWNGTLA	➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Sawhthing kan lin hma in Bavistin 2 g/lit ahsawhthing thlar/ chi chu kan chiah in buatsaih thin tur ani.



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Thlai			
Mai /Um ei chi ho	Chi tuh hun		➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Behlawi/ bawrhaisaiabe	A than duh hunlai/ a kung par hma		➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed feritilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh		➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh		✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuahsak tur a ni.
Bawng			✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigga hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigga chu tuikhuah siam thar ah chuan chhun luh tur a ni.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai

Period: 08thMay–12th May, 2019

Bulletin No: - 877/2019/ Bulletin/English

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	33	34	34	33
Min Temp (°C)	22	22	22	23	24
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	81	82	66	75	84
Min RH (%)	35	29	24	22	23
Wind Speed (Kmph)	7	8	9	9	9
*Wind Direction	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.

Weather summary of the past three days

Maximum Tem. (°C):28-30°C
Minimum Tem. (°C):22-23°C
Maximum RH (%):86-99%
Minimum RH (%):54-76%
Wind Direction: Southeasterly
Cloud cover: Partially clear sky
Wind speed: 1.67 km/hr

Rainfall: 16.4 mm

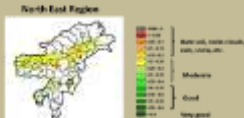
Weather forecast valid from 08thMay, 2019 To 12thMay, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-34°C and 22-24°C. Maximum relative humidity is expected in the range of 66-84% and minimum may from 22-35%. Wind direction would be easterly to southeasterly to easterly and southeasterly with the wind speed of 7-9 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

MMAU/ICAR/INMIS/INMIS Composite satellite and ground data for 10 days, 08.05.2019 to 17.05.2019 over Mizoram region



Agriculture region is moderate over many parts of NE Region.

A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

Possibility of rainfall will be high and temperature will be less. Following general measures should be taken by farmers.

- ✚ Harvest all mature crops and proper sun dry for preservation of seed.
- ✚ Application of fertilizers/manure can be done during clear/dry days
- ✚ Check of vaccination schedule in poultry/livestock.



GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	Fall Armyworm KOLASIB	➤ To manage 2nd and 3rd instars larvae at 10-20 % damage spray Emamectin benzoate @ 0.4 g/l of water OR Spinosad @ 0.3 ml/l of water OR Thiamethoxam 12.6% + lambdacyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water.
Jhum Rice	Land Preparation/ Sowing	AIZAWL	➤ Jhum land may be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Make structures to avoid runoff in the slope, ➤ Sowing during clear/dry days ➤ Intercropping of leguminous crops (cowpea /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated.□
Greengram and black gram	Sowing stage	SERCHHI	➤ Land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Fruits/cash crop			
Mandarin	After Harvesting/ transplanting stage	LUNGLEI	➤ Remove water sprouts in mandarin. ➤ During sunny days, spray Metalaxyl MZ 72@2.75g/lit or fosetyl A1@2.5g/lit fungicide on the tree covering the whole plant canopy against Phytophthora. ➤ During clear/dry days, spray Dimethoate 30EC@1ml/l of water.
Turmeric and ginger	Sowing stage	LAWNGTLAI	➤ Remove all existing stable from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place



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Vegetable			
Cucurbitaceous crops (Gourd, pumpkin, ridge gourd, ash gourd, spine gourd)	Sowing stage	KOLASIB	➤ Jhum land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Cowpea/ Bhindi	Vegetative stage	MAMIT	➤ No irrigation will be required. Maintain good drainage in the field to avoid stagnant water. ➤ Postpone application of mixed fertilizer, N-P-K, 19-19-19 as foliar spray for next one or two days due to rain.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	AIZAWL	➤ Vaccination against Ranikhet at 4 days of birth and boost dose after 1 month of age
Pig	All stages	SERCHHI	✚ The bedding is always. ✚ If possible wooden sleeping box should be provided. ✚ Provide artificial heat source to new born piglets.
Cow		LUNGLEI	✚ Balanced feeding of dairy animals and allow calf suckling immediately after parturition. ✚ Full hand milking should be practiced. ✚ Frequent incomplete milking at interval of 4hrs should be practiced after parturition for minimum 1 week. Afterwards complete milking in a day is recommended.
Fishery			
	Pond renovation	Bacterial disease	✚ To avoid bacterial disease liming should be done @10kg/Bigha. ✚ FYM 2400 kg and Lime 80 kg per bigha may be applied in new constructed pond.



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



District: Lawngtlai

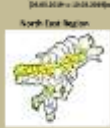
Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/Mizo

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	33	34	34	33
Min Temp (°C)	22	22	22	23	24
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	81	82	66	75	84
Min RH (%)	35	29	24	22	23
Wind Speed (Kmph)	7	8	9	9	9
*Wind Direction	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.

Weather summary of the past three days	08thMay-13thMay, 2019 chungsa sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):28-30°C Minimum Tem. (°C):22-23°C Maximum RH (%):86-99% Minimum RH (%):54-76% Wind Direction: Southeasterly Cloud cover: Partially clear sky Wind speed: 1.67 km/hr Rainfall: 16.4 mm	Tun ni 5 chung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-34°C a ni ang a. A vawh lai berin 22-24°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 66-84% leh a hniam lai berin 22-35% ni tur a rin niin. Thli hi darkar khatah 7-9 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0 mm	
NDVI for Mizoram	 NDVI (Normalized Difference Vegetation Index) is a measure of vegetation density. The map shows the state of Mizoram with various districts labeled. The color scale ranges from 0.4 (Low) to 0.8 (High). The map shows the state of Mizoram with various districts labeled.	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ FAW a lo pun a 100 ah 10-20% a tih chhiat tawh chinah chuan heng pesticides emaw ber hmanh hian enkawl tur a ni. Emamectin benzoate @0.4 ml/1 litre tuipawlh emaw Spinosad @0.3 ml/1 litre tuipawlh emaw Thiamethoxam 12.6% + Lambdacyhalothrin 9.5% @0.5 ml/litre tuipawlh emaw Chlorantraniliprole 18.5% SC @0.4 ml/1 litre tuipawlh.
Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	➤ Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. ➤ Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. ➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
Greengram and black gram	Chi tuh hun	LUNGLEI	➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Thei			
Serthlum (Mandarin)	Seng tawh hnu/phunsawn hun		➤ A chawr no/zik no paih bo tur. ➤ Khaw that tumin Phytophthora natna laka vennis Metalaxyl MZ 72@2.75g/lit emaw fosetyl A1@2.5g/lit fungicide chu a kung pumpui a kah chhuah vek tur a ni.
Sawhthing (Ginger)	Chi tuh hun	LAWNGTLA	➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Sawhthing kan lin hma in Bavistin 2 g/lit ahsawhthing thlar/ chi chu kan chiah in buatsaih thin tur ani.



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Thlai			
Mai /Um ei chi ho	Chi tuh hun		➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Behlawi/ bawrhaisaiabe	A than duh hunlai/ a kung par hma		➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed feritilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh		➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh		✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuahsak tur a ni.
Bawng			✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigga hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigga chu tuikhuah siam thar ah chuan chhun luh tur a ni.



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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/English

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	33	33	35	34
Min Temp (°C)	23	23	23	23	24
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	82	86	74	88	94
Min RH (%)	37	32	29	26	29
Wind Speed (Kmph)	7	8	8	8	9
*Wind Direction	E	S-W	E	S-E	E

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

Weather summary of the past three days

Maximum Tem. (°C):25-28°C
Minimum Tem. (°C):19-21°C
Maximum RH (%):89-94%
Minimum RH (%):52-71%
Wind Direction: Southeasterly
Cloud cover: Mainly clear sky
Wind speed: 1.51 km/hr

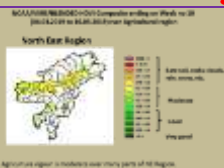
Rainfall: 20.4 mm

Weather forecast valid from 08thMay, 2019 To 12thMay, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-35°C and 23-24°C. Maximum relative humidity is expected in the range of 74-94% and minimum may from 26-37%. Wind direction would be easterly to southwesterly to easterly to southeasterly and easterly with the wind speed of 7-9 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

Possibility of rainfall will be high and temperature will be less. Following general measures should be taken by farmers.

- ✚ Harvest all mature crops and proper sun dry for preservation of seed.
- ✚ Application of fertilizers/manure can be done during clear/dry days
- ✚ Check of vaccination schedule in poultry/livestock.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	Fall Armyworm KOLASIB	➤ To manage 2nd and 3rd instars larvae at 10-20 % damage spray Emamectin benzoate @ 0.4 g/l of water OR Spinosad @ 0.3 ml/l of water OR Thiamethoxam 12.6% + lambdacyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water.
Jhum Rice	Land Preparation/ Sowing	AIZAWL	➤ Jhum land may be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Make structures to avoid runoff in the slope, ➤ Sowing during clear/dry days ➤ Intercropping of leguminous crops (cowpea /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated.□
Fruits/cash crop			
Turmeric and ginger	Sowing stage	LUNGLEI	➤ Remove all existing stubble from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place
Kiwi	Pruning/ Training	LAWNGTLAI	➤ Diseased and senile branches should be removed. ➤ Pruning should be done retaining 8-10 buds per branch for enhancing new flush and flowering. ➤ Pruned healthy hard wood of pencil thickness size having 4-5 buds can be used as cutting for propagation□
Vegetable			



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Cucurbitaceous crops (Gourd, pumpkin, ridge gourd, ash gourd, spine gourd)	Sowing stage		➤ Jhum land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Cowpea/ Bhindi	Vegetative stage		➤ No irrigation will be required. Maintain good drainage in the field to avoid stagnant water. ➤ Postpone application of mixed fertilizer, N-P-K, 19-19-19 as foliar spray for next one or two days due to rain.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group		➤ Vaccination against Ranikhet at 4 days of birth and boost dose after 1 month of age
Pig	All stages		✚ The bedding is always. ✚ If possible wooden sleeping box should be provided. ✚ Provide artificial heat source to new born piglets.
Cow			✚ Balanced feeding of dairy animals and allow calf suckling immediately after parturition. ✚ Full hand milking should be practiced. ✚ Frequent incomplete milking at interval of 4hrs should be practiced after parturition for minimum 1 week. Afterwards complete milking in a day is recommended.
Fishery			
	Pond renovation	Bacterial disease	✚ To avoid bacterial disease liming should be done @10kg/Bigha. ✚ FYM 2400 kg and Lime 80 kg per bigha may be applied in new constructed pond.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/Mizo

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	33	33	35	34
Min Temp (°C)	23	23	23	23	24
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	82	86	74	88	94
Min RH (%)	37	32	29	26	29
Wind Speed (Kmph)	7	8	8	8	9
*Wind Direction	E	S-W	E	S-E	E

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

Weather summary of the past three days	08thMay-13thMay, 2019 chungsa sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):25-28°C Minimum Tem. (°C):19-21°C Maximum RH (%):89-94% Minimum RH (%):52-71% Wind Direction: Southeasterly Cloud cover: Mainly clear sky Wind speed: 1.51 km/hr	Tun ni 5 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 (boruak hnawn dan) san lai berin 74-94% leh a hniam lai berin 26-37% ni tur a rin niin. Thli hi darkar khatah 7-9 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0 mm	
NDVI for Mizoram	Agriculture report to moderate over many parts of NE Region.	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	FAW a lo pun a 100 ah 10-20% a tih chhiat tawh chinah chuan heng pesticides emaw ber hmanh hian enkawl tur a ni. Ememectin benzoate @0.4 ml/1 litre tuipawlh emaw Spinosad @0.3 ml/1 litre tuipawlh emaw Thiamethoxam 12.6% + Lambdacyhalothrin 9.5% @0.5 ml/litre tuipawlh emaw Chlorantraniliprole 18.5% SC @0.4 ml/1 litre tuipawlh.
Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	- Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. - Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. - Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. - Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
Thei			
Sawhthing (Ginger)	Chi tuh hun	LUNGLEI	- Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. - Sawhthing kan lin hma in Bavistin 2 g/lt ahsawhthing thlar/ chi chu kan chiaah in buatsaih thin tur ani.
Kiwi	Pruning/ Training	LAWNGTLAI	- Natna kai leh a tang upa ho paih bo tur. - Tha zawka a par theih nan a kung zar khat atangin a chawr no/tiak no 8-10 dah bang in a bak zawng hlawi thlak tur a ni. - A zar chawr no zinga a tha zual 4-5 te chu a tiak a tan hman theih a ni. □
Thlai			



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Mai /Um ei chi ho	Chi tuh hun		➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Behlawi/ bawrhsaiabe	A than duh hunlai/ a kung par hma	KOLASIB	➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed fertilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh	AIZAWL	➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh	SEPHAKH	✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuhsak tur a ni.
Bawng		LUNGLEI	✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigha hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigha chu tuikhuah siam thar ah chuan chhun luh tur a ni.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit

Period: 08thMay–12th May, 2019

Bulletin No: - 877/2019/ Bulletin/English

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	34	35	35	34
Min Temp (°C)	23	23	24	25	25
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	88	88	94	95
Min RH (%)	40	35	32	37	36
Wind Speed (Kmph)	8	9	10	11	11
*Wind Direction	S	S	S	S	S

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

Weather summary of the past three days

Maximum Tem. (°C):29-32°C
Minimum Tem. (°C):21-22°C
Maximum RH (%):89-95%
Minimum RH (%):65-71%
Wind Direction: Southeasterly
Cloud cover: Partially clear sky
Wind speed: 2.05 km/hr

Rainfall: 21.3 mm

Weather forecast valid from 08thMay, 2019 To 12thMay, 2019.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-35°C and 23-25°C. Maximum relative humidity is expected in the range of 88-95% and minimum may from 32-40%. Wind direction would be southerly with the wind speed of 8-11 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

NOAA/VIRS/BLENDED NDVI Composite ending on Week no 10 (04.03.2019 to 10.03.2019) over Agricultural region



Legend:
 Bare soil, rocks, clouds, paddy, etc.
 Moderate
 Good
 Very good

Agriculture vigour is moderate over many parts of NE Region.

A moderately wet/mildly dry/mildly wet condition occurs in all districts of Mizoram.

General recommendations

Possibility of rainfall will be high and temperature will be less. Following general measures should be taken by farmers.

- ✚ Harvest all mature crops and proper sun dry for preservation of seed.
- ✚ Application of fertilizers/manure can be done during clear/dry days
- ✚ Check of vaccination schedule in poultry/livestock.



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	Fall Armyworm KOLASIB	➤ To manage 2nd and 3rd instars larvae at 10-20 % damage spray Emamectin benzoate @ 0.4 g/l of water OR Spinosad @ 0.3 ml/l of water OR Thiamethoxam 12.6% + lambdacyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water.
Jhum Rice	Land Preparation/ Sowing	AIZAWL	➤ Jhum land may be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Make structures to avoid runoff in the slope, ➤ Sowing during clear/dry days ➤ Intercropping of leguminous crops (cowpea /soybean) at 2-3 rows across the slope in jhum field at desirable interval with rice advocated.□
Greengram and black gram	Sowing stage	SERCHHI	➤ Land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Fruits/cash crop			
Mandarin	After Harvesting/ transplanting stage	LUNGLEI	➤ Remove water sprouts in mandarin. ➤ During sunny days, spray Metalaxyl MZ 72@2.75g/lit or fosetyl A1@2.5g/lit fungicide on the tree covering the whole plant canopy against Phytophthora. ➤ During clear/dry days, spray Dimethoate 30EC@1ml/l of water.
Turmeric and ginger	Sowing stage	LAWNGTLAI	➤ Remove all existing stable from the field. ➤ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ➤ Rhizome must be treated with Bavistin 2 g /lt of water before sowing and keep in shade place



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Vegetable			
Cucurbitaceous crops (Gourd, pumpkin, ridge gourd, ash gourd, spine gourd)	Sowing stage	KOLASIB	➤ Jhum land should be ploughed thoroughly to sow the seed with the help of first pre monsoon shower. ➤ Use certified seeds should be use to produce good yield
Cowpea/ Bhindi	Vegetative stage	MAMIT	➤ No irrigation will be required. Maintain good drainage in the field to avoid stagnant water. ➤ Postpone application of mixed fertilizer, N-P-K, 19-19-19 as foliar spray for next one or two days due to rain.
Animal Husbandry			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All age group	AIZAWL	➤ Vaccination against Ranikhet at 4 days of birth and boost dose after 1 month of age
Pig	All stages	SERCHHI	✚ The bedding is always. ✚ If possible wooden sleeping box should be provided. ✚ Provide artificial heat source to new born piglets.
Cow		LUNGLEI	✚ Balanced feeding of dairy animals and allow calf suckling immediately after parturition. ✚ Full hand milking should be practiced. ✚ Frequent incomplete milking at interval of 4hrs should be practiced after parturition for minimum 1 week. Afterwards complete milking in a day is recommended.
Fishery			
	Pond renovation	Bacterial disease	✚ To avoid bacterial disease liming should be done @10kg/Bigha. ✚ FYM 2400 kg and Lime 80 kg per bigha may be applied in new constructed pond.



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District: Mamit

Period: 08thMay-12th May, 2019

Bulletin No: - 877/2019/ Bulletin/Mizo

Date of issue: 07thMay, 2019

Parameters	08.05.2019	09.05.2019	10.05.2019	11.05.2019	12.05.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	34	35	35	34
Min Temp (°C)	23	23	24	25	25
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	88	88	94	95
Min RH (%)	40	35	32	37	36
Wind Speed (Kmph)	8	9	10	11	11
*Wind Direction	S	S	S	S	S

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

Weather summary of the past three days	08thMay-13thMay, 2019 chungsa sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):29-32°C Minimum Tem. (°C):21-22°C Maximum RH (%):89-95% Minimum RH (%):65-71% Wind Direction: Southeasterly Cloud cover: Partially clear sky Wind speed: 2.05 km/hr Rainfall: 21.3 mm	Tun ni 5 chung 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 23-25°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 88-95% leh a hniam lai berin 32-40% ni tur a rin niin. Thli hi darkar khatah 8-11 chakin chhim chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0 mm	
NDVI for Mizoram	 NDVI (Normalized Difference Vegetation Index) is a measure of vegetation density and health. It is calculated using the ratio of the difference and sum of the Near-Infrared (NIR) and Red (R) satellite image bands. NDVI values range from -1.0 to 1.0, with values between 0.4 and 0.8 indicating moderate to high vegetation density.	Mizoram district tinin boruak huh leh hnawng lam/boruak tlem a hul a dawng theuh a ni.
General recommendations	Ruahtui tlak theihna asang hle a, temperature pawh a hniam rin a ni. Hetiang hian loneitu te lo inhmakhua tur: ✚ Thlai rah hmin tawh te chu seng vek tur, nisa ah tha taka pho ro a a chi tura dah that tur a ni. ✚ Tunkar chhovah ruahtuih tlak theihna a san avangin thlai tui pek, leitha pek hun sawn tur a ni. ✚ Ran nei te tan vaccination lak hun check nawn tur.	



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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ FAW a lo pun a 100 ah 10-20% a tih chhiat tawh chinah chuan heng pesticides emaw ber hmanh hian enkawl tur a ni. Ememectin benzoate @0.4 ml/1 litre tuipawlh emaw Spinosad @0.3 ml/1 litre tuipawlh emaw Thiamethoxam 12.6% + Lambdacyhalothrin 9.5% @0.5 ml/litre tuipawlh emaw Chlorantraniliprole 18.5% SC @0.4 ml/1 litre tuipawlh.
Tlangram buh	A hmun hma siam dan/ Chi tuh	AIZAWL	➤ Fur ruahtui tlak hma ngei in tlangram lo te chu a chi thehna turin hneh taka chawh phut tur a ni. ➤ Ruahtui luangliam mai tur dal na tur tha tak siam tur a ni. ➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Lei siam tha thei chi thlai (behlawi emaw bekang) tlar 2 emaw 3 vel chu buh inkar ah chin tur a ni. □
Greengram and black gram	Chi tuh hun	LUNGLEI	➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Thei			
Serthlum (Mandarin)	Seng tawh hnu/phunsawn hun		➤ A chawr no/zik no paih bo tur. ➤ Khaw that tumin Phytophthora natna laka vennis Metalaxyl MZ 72@2.75g/lit emaw fosetyl A1@2.5g/lit fungicide chu a kung pumpui a kah chhuah vek tur a ni.
Sawhthing (Ginger)	Chi tuh hun	LAWNGTLA	➤ Khaw thianga tha leh hul ah chauh a chi hi tuh tur a ni. ➤ Sawhthing kan lin hma in Bavistin 2 g/lit ahsawhthing thlar/ chi chu kan chiah in buatsaih thin tur ani.



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Thlai			
Mai /Um ei chi ho	Chi tuh hun		➤ Fur ruahtui tlak tak tak hma in a chi tuhna hmun tur lei chu hneh taka chawh phut tur a ni. ➤ Tam tak thar chhuah a nih theih nan certified seed chiah hman tur.
Behlawi/ bawrhaisaiabe	A than duh hunlai/ a kung par hma		➤ Tui pek a ngailo. Huana tui a tlin lohna turin tui tling paihchhuahna tha tak siam ni se. ➤ Tun hnai kar 1-2 lo awm tur ah hian ruah a sur rin a nih avangin a hnah ah kah tur mixed feritilizer N-P-K, 19-19-19 pek hun chu sawn tur a ni.
Animal Husbandry			
Ran	In dawt chhoh dan	Natna	Natna laka inven theihna tur atana zawm tur te
Ar (Poultry)	Eng kum (age) tan pawh		➤ An pian atanga ni 4 hnu ah Ranikhet natna laka invennan chiu tur a ni. Thla khat an nih hnu ah an taksa chak nan vaccine ngai tho lak leh tur.
Vawk (Pig)	Eng hun ah pawh		✚ An mut hmun hi a pawimawh hle. ✚ A theih hram chuan an mutna chhuat chu thing a siam ni thei se. ✚ A no piang hlim tan an taksa tih lumna tur ngaihtuahsak tur a ni.
Bawng			✚ A pui in nau a neih hnu ah a inmil tawkin a naute chu hnute tui leh chaw pek tur a ni. ✚ A hnute sawr dan thin full hand milking chu hman tur a ni. ✚ Nau a neih hnu atangin a loh ber ah kar khat tal chu darkar li danah a hnute chu vawi khata sawr zo vek lo in sawr zeuh zeuh thin tur a ni. Chumi hnu ah chuan a vaia sawr zawh thin chauh tur a ni.
Sangha			
	Tuikhuah siamthar/sia mthat	Hrik natna	✚ Bacteria natna laka an him theih nan chinai al @10kg/Bigga hman tur a ni ✚ FYM 2400 kg leh Lime 80 kg per bigga chu tuikhuah siam thar ah chuan chhun luh tur a ni.



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