



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: Champhai

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/Mizo

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	16	0	0	0	0
Max Temp (°C)	31	31	32	33	35
Min Temp (°C)	19	21	22	21	21
Cloud Coverage	Partially clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	95	87	79	72	70
Min RH (%)	47	35	33	26	24
Wind Speed (Kmph)	3	3	3	3	3
*Wind Direction	E	S-E	S-E	S-E	S-E

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

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):26-28°C Minimum Tem. (°C):17°-19°C Maximum RH (%):81-92% Minimum RH (%):59-71% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.18 km/hr	Tun ni 1 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 19-22°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 70-95% leh a hniam lai berin 24-47% ni tur a rin niin. Thli hi darkar khatah 3 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: 16.0 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	➤ A chi tuh na hmun zawl ah chuan tui tling paih chhuahna tur siam ni se. ➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh tur a ni. ➤ A kawm hmin zawng hi thlasik vaimim a tan seng tur a ni.
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 thiang 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			
Strawberry	Seng hun	LUNGLEI	➤ A hmin zawng seng vek tur. ➤ Huan zau deuh nei te tan carbaryl 0.2 per cent emaw Malathion 0.15 per cent ah Jeggery 10 gram tui litre 1 a siam chu pawlh tur a ni a, chu mi chu a par lai leh rah a chhuah tirhin kar 2 danah zel spray tur a ni.
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	Chi tuh hun	KOLASIB	➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh 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	SERCHHIK	✚ 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		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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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. P. Lalhmachhuana	:	Meteorological Observer	ac.pautu@gmail.com

Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkchawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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District: Kolasib

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/English

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	5	0	11	5	10
Max Temp (°C)	33	32	33	33	33
Min Temp (°C)	19	18	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Partially clear	Partially clear
Max RH (%)	89	89	90	90	89
Min RH (%)	45	40	36	32	32
Wind Speed (Kmph)	2	2	3	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

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

Weather summary of the past three days

Maximum Tem. (°C):28-31°C
Minimum Tem. (°C):17^o-19°C
Maximum RH (%):79-95%
Minimum RH (%):51-72%
Wind Direction: Southeasterly
Cloud cover: Mainly clear
Wind speed: 2.08 km/hr

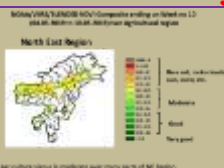
Rainfall: 38.2 mm

Weather forecast valid from 13thApril, 2019 To 17thApril, 2019.

There are chances of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 18-19°C. Maximum relative humidity is expected in the range of 89-90% and minimum may from 32-45%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 31.0 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	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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	LUNGLEI	➤ 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	LAWNGTLAI	➤ 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.
Strawberry	Harvesting stage	Fruit fly	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent



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			suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage	AIZAWL	➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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		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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KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkchawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
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Wind Speed (Kmph)	2	2	3	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

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

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):28-31°C Minimum Tem. (°C):17°-19°C Maximum RH (%):79-95% Minimum RH (%):51-72% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2.08 km/hr	Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 89-90% leh a hniam lai berin 32-45% ni tur a rin niin. Thli hi darkar khatah 2-3 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: 31.0 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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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	LAWNGTLA	➤ 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.
Strawberry	Seng hun	LAWNGTLA	➤ A hmin zawng seng vek tur. ➤ Huan zau deuh nei te tan carbaryl 0.2 per cent emaw Malathion 0.15 per cent ah Jegger 10 gram tui litre 1 a siam chu pawlh tur a ni a, chu mi chu a par lai leh rah a



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			chhuah tirhin kar 2 danah zel spray tur a ni.
Thlai			
Mai /Um ei chi ho	Chi tuh hun	KOLASIB	➤ 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	Chi tuh hun		➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh 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 ngaihtuhsak 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/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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Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
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Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. P. Lalmachhuana	:	Meteorological Observer	ac.pautu@gmail.com

Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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: Lawngtlai

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/English

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	19	19	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	81	73	67	70	66
Min RH (%)	30	28	24	20	19
Wind Speed (Kmph)	2	2	2	3	2
*Wind Direction	N-E	E	E	E	E

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

Weather summary of the past three days

Maximum Tem. (°C):27-30°C
Minimum Tem. (°C):17°-19°C
Maximum RH (%):81-92%
Minimum RH (%):49-74%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2.37 km/hr

Rainfall: 15.4 mm

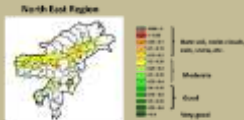
Weather forecast valid from 13thApril, 2019 To 17thApril, 2019.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 18-19°C. Maximum relative humidity is expected in the range of 66-81% and minimum may from 19-30%. Wind direction would be northeasterly to easterly with the wind speed of 2-3 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

MMAU/ARCC/ISRO/NWRI NDVI Composite anding on 10th April 2019 for 10.03.2019 to 10.04.2019 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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(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	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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	LUNGLEI	➤ 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	LAWNGTLAI	➤ 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.
Strawberry	Harvesting stage	Fruit fly	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent



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Mizoram Centre, Kolasib- 796081, MIZORAM

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			suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage	AIZAWL	➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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		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,
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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/Mizo

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	19	19	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	81	73	67	70	66
Min RH (%)	30	28	24	20	19
Wind Speed (Kmph)	2	2	2	3	2
*Wind Direction	N-E	E	E	E	E

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

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):27-30°C Minimum Tem. (°C):17°-19°C Maximum RH (%):81-92% Minimum RH (%):49-74% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.37 km/hr	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 66-81% leh a hniam lai berin 19-30% ni tur a rin niin. Thli hi darkar khatah 2-3 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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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 (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ A chi tuh na hmun zawl ah chuan tui tling paih chhuahna tur siam ni se. ➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh tur a ni. ➤ A kawm hmin zawng hi thlasik vaimim a tan seng tur a ni.
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 thiang 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	LAWNGTLA	➤ 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.
Strawberry	Seng hun	LAWNGTLA	➤ A hmin zawng seng vek tur. ➤ Huan zau deuh nei te tan carbaryl 0.2 per cent emaw Malathion 0.15 per cent ah Jegger 10 gram tui litre 1 a siam chu pawlh tur a ni a, chu mi chu a par lai leh rah a



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			chhuah tirhin kar 2 danah zel spray tur a ni.
Thlai			
Mai /Um ei chi ho	Chi tuh hun	KOLASIB	➤ 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	Chi tuh hun		➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh 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 ngaihtuhsak 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/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: Lunglei

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/English

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	8	0	0	0	0
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	17	17	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	86	80	71	75	72
Min RH (%)	38	31	27	24	22
Wind Speed (Kmph)	2	2	2	3	2
*Wind Direction	E	E	E	E	E

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

Weather summary of the past three days

Maximum Tem. (°C):26-29°C
Minimum Tem. (°C):17^o-19°C
Maximum RH (%):82-93%
Minimum RH (%):51-68%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 3.05 km/hr

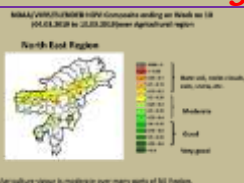
Rainfall: 18.8 mm

Weather forecast valid from 13thApril, 2019 To 17thApril, 2019.

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 17-19°C. Maximum relative humidity is expected in the range of 71-86% and minimum may from 22-38%. Wind direction would be easterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 08.0 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	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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			
Strawberry	Harvesting stage	LUNGLEI	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage		➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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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KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkchawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/Mizo

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	8	0	0	0	0
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	17	17	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	86	80	71	75	72
Min RH (%)	38	31	27	24	22
Wind Speed (Kmph)	2	2	2	3	2
*Wind Direction	E	E	E	E	E

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

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):26-29°C Minimum Tem. (°C):17°-19°C Maximum RH (%):82-93% Minimum RH (%):51-68% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 3.05 km/hr	Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 17-19°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 71-86% leh a hniam lai berin 22-38% ni tur a rin niin. Thli hi darkar khatah 2-3 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: 08.0 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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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 (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ A chi tuh na hmun zawl ah chuan tui tling paih chhuahna tur siam ni se. ➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh tur a ni. ➤ A kawm hmin zawng hi thlasik vaimim a tan seng tur a ni.
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			
Strawberry	Seng hun	LUNGLEI	➤ A hmin zawng seng vek tur. ➤ Huan zau deuh nei te tan carbaryl 0.2 per cent emaw Malathion 0.15 per cent ah Jeggery 10 gram tui litre 1 a siam chu pawlh tur a ni a, chu mi chu a par lai leh rah a chhuah tirhin kar 2 danah zel spray tur a ni.
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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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	Chi tuh hun	KOLASIB	➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh 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	SERCHUK	✚ 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		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

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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. P. Lalhmachhuana	:	Meteorological Observer	ac.pautu@gmail.com

Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
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KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkchawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/English

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	7	0	0	0	3
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	17	17	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	86	89	87	89	89
Min RH (%)	43	37	33	30	30
Wind Speed (Kmph)	2	2	3	5	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.

Weather summary of the past three days

Maximum Tem. (°C):29-32°C
Minimum Tem. (°C):19-21°C
Maximum RH (%):85-96%
Minimum RH (%):57-75%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2.37 km/hr

Rainfall: 24.3 mm

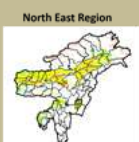
NDVI for Mizoram

Weather forecast valid from 13thApril, 2019 To 17thApril, 2019.

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 17-19°C. Maximum relative humidity is expected in the range of 86-89% and minimum may from 30-43%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 02.0 mm

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



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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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	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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	LUNGLEI	➤ 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	LAWNGTLAI	➤ 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.
Strawberry	Harvesting stage	Fruit fly	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent



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Mizoram Centre, Kolasib- 796081, MIZORAM

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			suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage	AIZAWL	➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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		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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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
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Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/Mizo

Date of issue: 12th April, 2019

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Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	17	17	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	86	89	87	89	89
Min RH (%)	43	37	33	30	30
Wind Speed (Kmph)	2	2	3	5	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.

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):29-32°C Minimum Tem. (°C):19°-21°C Maximum RH (%):85-96% Minimum RH (%):57-75% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.37 km/hr	Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 17-19°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 86-89% leh a hniam lai berin 30-43% ni tur a rin niin. Thli hi darkar khatah 2-3 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: 02.0 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	➤ A chi tuh na hmun zawl ah chuan tui tling paih chhuahna tur siam ni se. ➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh tur a ni. ➤ A kawm hmin zawng hi thlasik vaimim a tan seng tur a ni.
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 thiang 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	LAWNGTLA	➤ 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.
Strawberry	Seng hun	LAWNGTLA	➤ A hmin zawng seng vek tur. ➤ Huan zau deuh nei te tan carbaryl 0.2 per cent emaw Malathion 0.15 per cent ah Jegger 10 gram tui litre 1 a siam chu pawlh tur a ni a, chu mi chu a par lai leh rah a



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			chhuah tirhin kar 2 danah zel spray tur a ni.
Thlai			
Mai /Um ei chi ho	Chi tuh hun	KOLASIB	➤ 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	Chi tuh hun		➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh 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 ngaihtuhsak 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/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.



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)



Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. P. Lalmachhuana	:	Meteorological Observer	ac.pautu@gmail.com

Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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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	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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			
Strawberry	Harvesting stage	LUNGLEI	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage		➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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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Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
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KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/Mizo

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	18	19	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	83	76	65	66	64
Min RH (%)	32	28	24	21	19
Wind Speed (Kmph)	3	3	2	3	3
*Wind Direction	E	E	E	E	E

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

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):26-29°C Minimum Tem. (°C):17°-19°C Maximum RH (%):81-97% Minimum RH (%):57-73% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.37 km/hr	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 64-83% leh a hniam lai berin 19-32% ni tur a rin niin. Thli hi darkar khatah 2-3 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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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 (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ A chi tuh na hmun zawl ah chuan tui tling paih chhuahna tur siam ni se. ➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh tur a ni. ➤ A kawm hmin zawng hi thlasik vaimim a tan seng tur a ni.
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			
Strawberry	Seng hun	LUNGLEI	➤ A hmin zawng seng vek tur. ➤ Huan zau deuh nei te tan carbaryl 0.2 per cent emaw Malathion 0.15 per cent ah Jeggery 10 gram tui litre 1 a siam chu pawlh tur a ni a, chu mi chu a par lai leh rah a chhuah tirhin kar 2 danah zel spray tur a ni.
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	Chi tuh hun	KOLASIB	➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh 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	SERCHUK	✚ 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		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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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
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KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkchawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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District: Serchhip

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/English

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	11	0	0	0	0
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	17	17	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	92	85	75	79	74
Min RH (%)	48	34	31	26	24
Wind Speed (Kmph)	2	2	2	3	2
*Wind Direction	E	E	E	E	E

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

Weather summary of the past three days

Maximum Tem. (°C):28-30°C
Minimum Tem. (°C):18°-20°C
Maximum RH (%):85-92%
Minimum RH (%):53-71%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2.24 km/hr

Rainfall: 27.1 mm

Weather forecast valid from 13thApril, 2019 To 17thApril, 2019.

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 17-19°C. Maximum relative humidity is expected in the range of 74-92% and minimum may from 24-48%. Wind direction would be easterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 11.0 mm

NDVI for Mizoram

MMAU/ARCC/ICAR/ICRISAT Composite satellite based on NOAA-10/11/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/12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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)



Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Cereals			
Maize	Sowing/ cob formation/ mature stage	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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.□
Grengram and black gram	Sowing stage	LUNGLEI	➤ 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	LAWNGTLAI	➤ 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.
Strawberry	Harvesting stage	Fruit fly	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent



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			suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage	AIZAWL	➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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		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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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. P. Lalhmachhuana	:	Meteorological Observer	ac.pautu@gmail.com

Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkchawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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District: Serchhip

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/Mizo

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	11	0	0	0	0
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	17	17	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	92	85	75	79	74
Min RH (%)	48	34	31	26	24
Wind Speed (Kmph)	2	2	2	3	2
*Wind Direction	E	E	E	E	E

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

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):28-30°C Minimum Tem. (°C):18°-20°C Maximum RH (%):85-92% Minimum RH (%):53-71% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.24 km/hr Rainfall: 27.1 mm	Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 17-19°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 74-92% leh a hniam lai berin 24-48% ni tur a rin niin. Thli hi darkar khatah 2-3 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: 11.0 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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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 (Vaimim)	Tuh hun/ a kawm insiam hun/a puitlin hun	KOLASIB	➤ A chi tuh na hmun zawl ah chuan tui tling paih chhuahna tur siam ni se. ➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh tur a ni. ➤ A kawm hmin zawng hi thlasik vaimim a tan seng tur a ni.
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 thiang 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	LAWNGTLA	➤ 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.
Strawberry	Seng hun	LAWNGTLA	➤ A hmin zawng seng vek tur. ➤ Huan zau deuh nei te tan carbaryl 0.2 per cent emaw Malathion 0.15 per cent ah Jegger 10 gram tui litre 1 a siam chu pawlh tur a ni a, chu mi chu a par lai leh rah a



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			chhuah tirhin kar 2 danah zel spray tur a ni.
Thlai			
Mai /Um ei chi ho	Chi tuh hun	KOLASIB	➤ 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	Chi tuh hun		➤ A kung leh kung inhlat zawng hi 60 cm a ni tur a ni. ➤ FYM/vawk ek @ 5-10 t/ha leh 80:60:40 kg N, P₂O₅ and K₂O/ha te chu a chi tuh hma in lei nen tha taka chawpawlh 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 ngaihtuhsak 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/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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Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
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Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. P. Lalmachhuana	:	Meteorological Observer	ac.pautu@gmail.com

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KVK Lunglei	:	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/English

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	11	0	3	0	3
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	17	17	18	18	19
Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	92	88	83	82	78
Min RH (%)	48	38	34	29	27
Wind Speed (Kmph)	3	3	3	3	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.

Weather summary of the past three days

Maximum Tem. (°C):28-30°C
Minimum Tem. (°C):17^o-18°C
Maximum RH (%):82-93%
Minimum RH (%):58-71%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2.34 km/hr

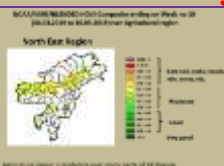
Rainfall: 31.5 mm

Weather forecast valid from 13thApril, 2019 To 17thApril, 2019.

There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 17-19°C. Maximum relative humidity is expected in the range of 78-92% and minimum may from 27-48%. Wind direction would be southeasterly with the wind speed of 3 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 17.0 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	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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	LUNGLEI	➤ 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	LAWNGTLAI	➤ 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.
Strawberry	Harvesting stage	Fruit fly	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent



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ICAR RESEARCH COMPLEX FOR NEH REGION

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			suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage	AIZAWL	➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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		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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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
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Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
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KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
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District: Aizawl

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/Mizo

Date of issue: 12th April, 2019

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Cloud Coverage	Partially clear	Clear sky	Mainly clear	Clear sky	Partially clear
Max RH (%)	92	88	83	82	78
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Wind Speed (Kmph)	3	3	3	3	3
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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.

Weather summary of the past three days	13 th April–17 th April, 2019 chhunga sik leh sa dinhmun tur tlangpui	
Maximum Tem. (°C):28-30°C Minimum Tem. (°C):17°-18°C Maximum RH (%):82-93% Minimum RH (%):58-71% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2.34 km/hr	Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 17-19°C ni tura beisei a ni. RH (boruak hnawn dan) san lai berin 78-92% leh a hniam lai berin 27-48% ni tur a rin niin. Thli hi darkar khatah 3 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: 17.0 mm	
NDVI for Mizoram	NDVI (Normalized Difference Vegetation Index) is a measure of vegetation health and density. The map shows varying levels of vegetation across Mizoram, with higher values (green) indicating denser vegetation and lower values (yellow/brown) indicating less dense vegetation.	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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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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KVK Lunglei	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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: Champhai

Period: 13thApril–17thApril, 2019

Bulletin No: - 870/2019/ Bulletin/English

Date of issue: 12th April, 2019

Parameters	13.04.2019	14.04.2019	15.04.2019	16.04.2019	17.04.2019
Rainfall (mm)	16	0	0	0	0
Max Temp (°C)	31	31	32	33	35
Min Temp (°C)	19	21	22	21	21
Cloud Coverage	Partially clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	95	87	79	72	70
Min RH (%)	47	35	33	26	24
Wind Speed (Kmph)	3	3	3	3	3
*Wind Direction	E	S-E	S-E	S-E	S-E

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

Weather summary of the past three days

Maximum Tem. (°C):26-28°C
Minimum Tem. (°C):17^o-19°C
Maximum RH (%):81-92%
Minimum RH (%):59-71%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2.18 km/hr

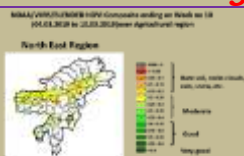
Rainfall: 22.7 mm

Weather forecast valid from 13thApril, 2019 To 17thApril, 2019.

There is chance of moderate rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 31-35°C and 19-22°C. Maximum relative humidity is expected in the range of 70-95% and minimum may from 24-47%. Wind direction would be easterly to southeasterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 16.0 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	KOLASIB	➤ Provide drainage to already sowing field. ➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. ➤ Harvest all the mature cobs for rabi maize.
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			
Strawberry	Harvesting stage	LUNGLEI	➤ Harvest all mature fruits. ➤ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
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	Sowing stage		➤ Distance should be maintain 60 cm from plant to plant. ➤ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing
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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Expert committee members:

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachua10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. P. Lalhmachhuana	:	Meteorological Observer	ac.pautu@gmail.com

Collaborating Department:

Name of the KVK	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	Dr. Lalmuanzovi Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkchawzawl@gmail.com	9436159788
KVK, Lawngtlai	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669