



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: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	18	14	17	15	9
Max Temp (oC)	32	32	33	33	33
Min Temp (oC)	22	22	22	23	23
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Partially clear	Mainly clear
Max RH (%)	96	96	94	93	92
Min RH (%)	77	66	46	76	45
Wind Speed (Kmph)	3	2	4	4	2
*Wind Direction	S	S	S	S	S

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

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

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

Ni thum kaltha sik leh sa dinhmun tlangpui

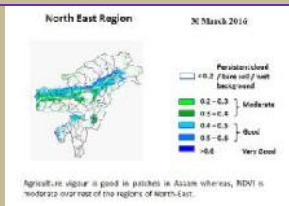
Khua a lum lai berin 22.6-23.4^oC leh a vawh lai berin 15.6-17.4^oC ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 97-100% leh a hniam lai 48-75% ani ang. Ni 3 kal ta chhung a ruah tla zatchu **079.20mm** ani. (Source- Mosdac.gov.in)

NDVI for Mizoram

May 24, 2016 atanga May 29, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 32-33^oC a ni ang a. A vawh lai ber in 22-23^oC ni tur ah beisei a ni. RH san lai berin 92-96% leh a hniam lai berin 45-76% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 73.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.



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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna hrik awm thei te	Agricultural/Horticultural/ animal husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.



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Balhla	A than lai/ a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal laiin ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60 chhungin a par a chhuah thei



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			ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai	KOLASIB	- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhat a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).



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			Leitha 10kg leh bawngkek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngkek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K2O hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - Nitrogen leitha chu an mamawh



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			taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	16	10	10	12
Max Temp (°C)	31	32	32	32	32
Min Temp (°C)	21	22	20	21	21
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly clear
Max RH (%)	98	99	98	98	98
Min RH (%)	78	79	48	88	53
Wind Speed (Kmph)	3	2	4	4	3
*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.

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

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

Weather summary of the past three days

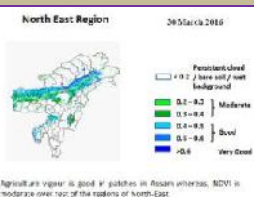
The temperature range for maximum and minimum were 21.2-30.8°C and 20.1-21.9°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly to easterly. Maximum RH observed 92-97% & minimum of 84-98%. Rainfall recorded for the past three days is **101.70mm.** (Source- mosdac.gov.in)

NDVI for Mizoram

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 20-22°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 48-88%. Wind direction would be southeasterly to easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 53.0 mm



NDVI of soil moisture for Mizoram is moderate wet condition.

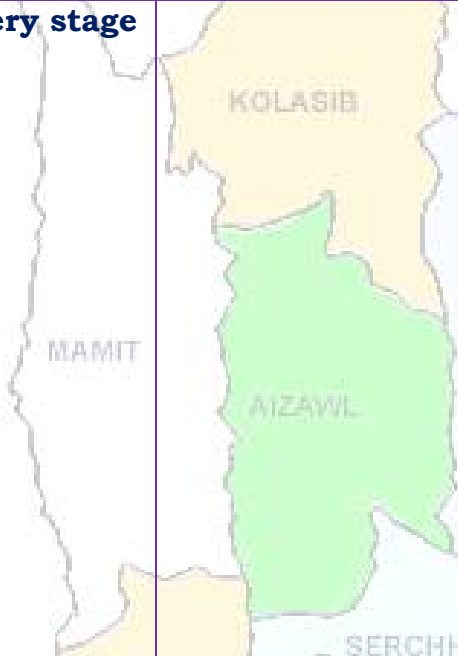


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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	- Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g per plant. - Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	- Planting is done well prepared land or pits filled up with FYM (12-15) t/ha - Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceo us crop	Fruiting stage	KOLASIB	- Provide irrigation every 7 days interval which will give better yield. - In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. - Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	- Plough the field with the help of spade. - Sow 2 seed 45 X 45 cm spacing. - Before sowing seed provide one or two irrigation. - Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage		- Plough the field with the help of spade. - Sow 2 seed 15 X 20 cm spacing. - Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	- Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. - The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer. - Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. - Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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: Kolasib

Period: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	16	10	10	12
Max Temp (oC)	31	32	32	32	32
Min Temp (oC)	21	22	20	21	21
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly clear
Max RH (%)	98	99	98	98	98
Min RH (%)	78	79	48	88	53
Wind Speed (Kmph)	3	2	4	4	3
*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.

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

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

Ni thum kaltha sik leh sa dinhmun tlangpui

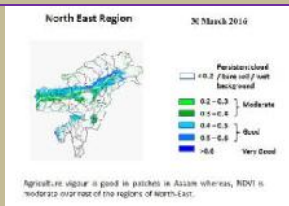
Khua a lum lai berin 21.2-30.8°C leh a vawh lai berin 20.1-21.9°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 92-97% leh a hniam lai 84-98% ani ang. Ni 3 kal ta chhung a ruah tla zatchu **101.70mm** ani. (Source- Mosdac.gov.in)

May 24, 2016 atanga May 29, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 20-22°C ni tur ah beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 48-88% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 53.0mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.



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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna hrik awm thei te	Agricultural/Horticultural/ animal husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.



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Balhla	A than lai/ a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal laiin ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60 chhungin a par a chhuah thei



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			ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai	KOLASIB	- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhat a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).



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			Leitha 10kg leh bawngkek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngkek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K2O hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - Nitrogen leitha chu an mamawh



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			taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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District: Lawngtlai

Period: 25 May - 29 May, 2016

Bulletin No: - 604/2016/ Bulletin/English

Date of issue: 24th May, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	0	0	0	3
Max Temp (°C)	30	32	32	33	33
Min Temp (°C)	21	21	22	22	23
Cloud Coverage	Partially clear	Mainly clear	Mainly clear	Clear sky	Partially clear
Max RH (%)	96	96	95	97	91
Min RH (%)	66	59	52	57	45
Wind Speed (Kmph)	5	6	6	5	5
*Wind Direction	E	E	E	E	S-E

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

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

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

Weather summary of the past three days

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 21-23°C. Maximum relative humidity is expected in the range of 91-97% and minimum may from 45-66%. Wind direction would be easterly to southeasterly with the wind speed of 5-6 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 08.0 mm





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NDVI for Mizoram			NDVI of soil moisture for Mizoram is moderate wet condition.
Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		✦ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✦ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✦ Application of split dose of fertilizer 600: 200:100 (g/pt). ✦ Only certified seed should be used. ✦ Stagnation of water in beds should be avoided. ✦ Seedling of uniform height should be selected for planting. ✦ Hooked or bench rooted plants should be discarded. ✦ Plant protection measures should be followed.
Oil plam	Vegetative stage		✦ Cleaning near base of the plant and cut unwanted branches. ✦ Application of split dose of fertilizer 600: 200:100 (g/pt). ✦ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard.



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			Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		- Cleaning near base of the plant and cut unwanted branches. - Application of split dose of fertilizer 600:200:100 (g/pt). - Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage		- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage		- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g



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			per plant. ✚ Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	KOLASIB	✚ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ✚ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ✚ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceo us crop	Fruiting stage	MAMIT AIZAWL	✚ Provide irrigation every 7 days interval which will give better yield. ✚ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. ✚ Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	SECHHIP Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	✚ Plough the field with the help of spade. ✚ Sow 2 seed 45 X 45 cm spacing. ✚ Before sowing seed provide one or two irrigation. ✚ Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage		✚ Plough the field with the help of spade. ✚ Sow 2 seed 15 X 20 cm spacing. ✚ Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LAWNGTLAI SAIHA	✚ Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde.



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			The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1% (2 g/ltr) solution.
		Raised bed method	- The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. - Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage		- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation		- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer.
		Thrips	Spray Roger or Monocrotophos (2.5 ml/ltr) for controlling thrips.
		Scales	Spray Quinalphos or Monocrotophos (2.5 ml/ltr) for controlling scales.
Pig	All stages	Porcine Reproductive	Culling of positive pigs or piglets.



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		Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	- Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	0	0	0	3
Max Temp (oC)	30	32	32	33	33
Min Temp (oC)	21	21	22	22	23
Cloud Coverage	Partially clear	Mainly clear	Mainly clear	Clear sky	Partially clear
Max RH (%)	96	96	95	97	91
Min RH (%)	66	59	52	57	45
Wind Speed (Kmph)	5	6	6	5	5
*Wind Direction	E	E	E	E	S-E

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

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

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

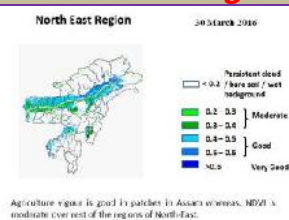
**Ni thum kaltha sik leh sa
dinhmun tlangpui**

**May 24, 2016 atanga May 29, 2016 sik leh sa
dinhmun hmuhlawk dan**

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 30-33°C a ni ang a. A vawh lai ber in 21-23°C ni tur ah beisei a ni. RH san lai berin 91-97% leh a hniam lai berin 45-66% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 5-6 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 08.0mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

Thlai/ ran	Spat zawng	Hmalakna tur/	Agricultural/Horticultural/ animal
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/sangha		rannung leh natna hrik awm thei te	husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Balhla	A than lai/ a		Ni 10-15 inkar danah tui pek tur.



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	seng hun		- Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal laiin ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60 chhungin a par a chhuah thei



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			ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai		- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhatah a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei panggai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).



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			Leitha 10kg leh bawngkek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngkek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K2O hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - Nitrogen leitha chu an mamawh



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			taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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District: Lunglei

Period: 25 May - 29 May, 2016

Bulletin No: - 604/2016/ Bulletin/English

Date of issue: 24th May, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	0	0	0	5
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	21	22	22	22	22
Cloud Coverage	Partially clear	Mainly clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	99	99	98	98	96
Min RH (%)	77	59	50	70	42
Wind Speed (Kmph)	3	3	4	3	3
*Wind Direction	E	E	S-E	E	S-E

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

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

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

Weather summary of the past three days

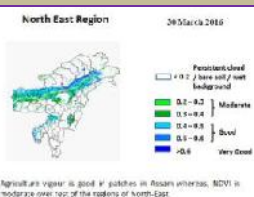
The temperature range for maximum and minimum were 25.8-26.6°C and 17.4-18.2°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 95-99% & minimum of 46-79%. Rainfall recorded for the past three days is **059.30mm.** (Source-NICRA, AWS Network)

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 21-22°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 42-77%. Wind direction would be southeasterly to easterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 10.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

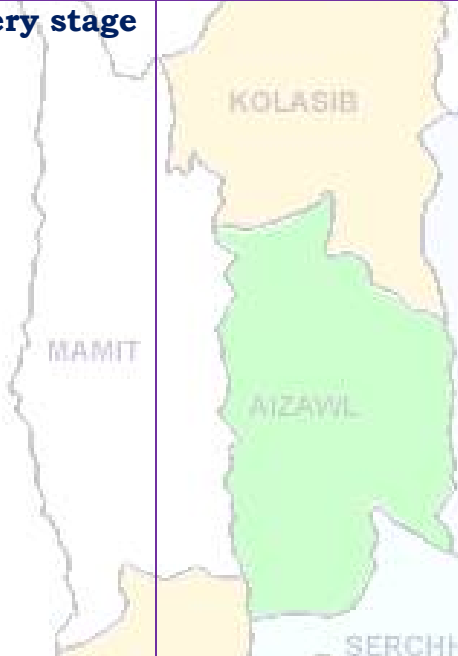


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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	- Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g per plant. - Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	- Planting is done well prepared land or pits filled up with FYM (12-15) t/ha - Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	- Provide irrigation every 7 days interval which will give better yield. - In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. - Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	- Plough the field with the help of spade. - Sow 2 seed 45 X 45 cm spacing. - Before sowing seed provide one or two irrigation. - Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	- Plough the field with the help of spade. - Sow 2 seed 15 X 20 cm spacing. - Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	- Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. - The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer. - Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. - Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	0	0	0	5
Max Temp (oC)	32	32	33	33	33
Min Temp (oC)	21	22	22	22	22
Cloud Coverage	Partially clear	Mainly clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	99	99	98	98	96
Min RH (%)	77	59	50	70	42
Wind Speed (Kmph)	3	3	4	3	3
*Wind Direction	E	E	S-E	E	S-E

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

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

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

Ni thum kaltha sik leh sa dinhmun tlangpui

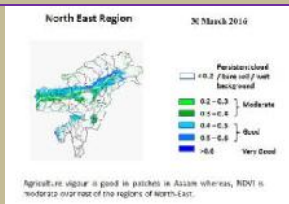
Khua a lum lai berin 25.8-26.6°C leh a vawh lai berin 17.4-18.2°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 95-99% leh a hniam lai 46-79% ani ang. Ni 3 kal ta chhung a ruah tla zatchu **059.30mm** ani. (Source- Mosdac.gov.in)

May 24, 2016 atanga May 29, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 2 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai berin 21-22°C ni tur ah beisei a ni. RH san lai berin 96-99% leh a hniam lai berin 42-77% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 3-6 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 10.0mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.



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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna hrik awm thei te	Agricultural/Horticultural/ animal husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.



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Balhla	A than lai/ a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal laiin ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60 chhungin a par a chhuah thei



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			ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai	KOLASIB	- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhat a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).



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			Leitha 10kg leh bawngkek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngkek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K2O hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - Nitrogen leitha chu an mamawh



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			taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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District: Mamit

Period: 25 May - 29 May, 2016

Bulletin No: - 604/2016/ Bulletin/English

Date of issue: 24th May, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	15	9	10	10	9
Max Temp (°C)	32	32	32	33	33
Min Temp (°C)	22	21	21	22	21
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	99	99	99	98	98
Min RH (%)	82	73	51	83	52
Wind Speed (Kmph)	4	2	4	2	4
*Wind Direction	S-E	E	S-E	S-E	S-E

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

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

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

Weather summary of the past three days

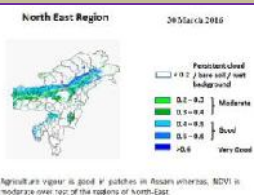
The temperature range for maximum and minimum were 24.6-25.4°C and 16.5-17.4°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly to easterly. Maximum RH observed 97-100% & minimum of 52-95%. Rainfall recorded for the past three days is **049.30mm.**
(Source-mosdac.gov.in)

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 21-22°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 51-83%. Wind direction would be southeasterly to easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 53.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

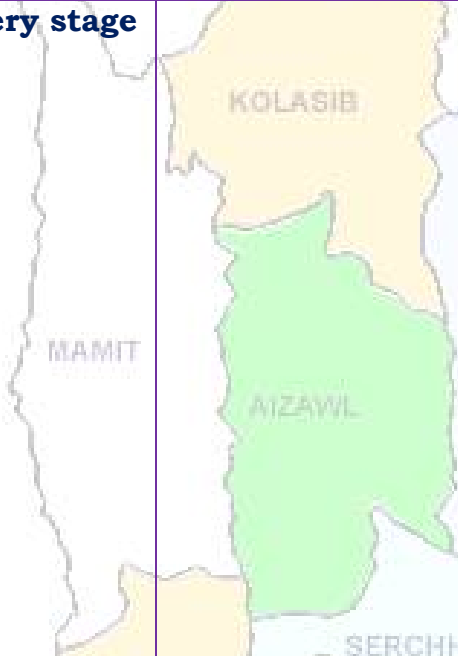


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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	- Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g per plant. - Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	- Planting is done well prepared land or pits filled up with FYM (12-15) t/ha - Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	- Provide irrigation every 7 days interval which will give better yield. - In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. - Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	- Plough the field with the help of spade. - Sow 2 seed 45 X 45 cm spacing. - Before sowing seed provide one or two irrigation. - Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	- Plough the field with the help of spade. - Sow 2 seed 15 X 20 cm spacing. - Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	- Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. - The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer. - Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. - Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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	Young stage	Disease (FMD) Black Quarter (BQ)	repeat every 6 month. • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	15	9	10	10	9
Max Temp (oC)	32	32	32	33	33
Min Temp (oC)	22	21	21	22	21
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	99	99	99	98	98
Min RH (%)	82	73	51	83	52
Wind Speed (Kmph)	4	2	4	2	4
*Wind Direction	S-E	E	S-E	S-E	S-E

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

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

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

Ni thum kaltha sik leh sa dinhmun tlangpui

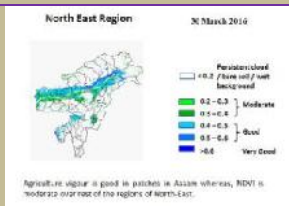
Khua a lum lai berin 24.6-25.4^oC leh a vawh lai berin 16.5-17.4^oC ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 97-100% leh a hniam lai 52-95% ani ang. Ni 3 kal ta chhung a ruah tla zatchu **049.30mm** ani. (Source- Mosdac.gov.in)

NDVI for Mizoram

May 24, 2016 atanga May 29, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 2 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 32-33^oC a ni ang a. A vawh lai ber in 21-22^oC ni tur ah beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 51-83% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 53.0mm



NDVI of soil moisture for Mizoram is moderate wet condition.



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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna hrik awm thei te	Agricultural/Horticultural/ animal husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.



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Balhla	A than lai/ a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal laiin ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60 chhungin a par a chhuah thei



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			ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai	KOLASIB	- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhat a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).



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			Leitha 10kg leh bawngek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K2O hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - Nitrogen leitha chu an mamawh



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			taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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District: Saiha

Period: 25 May - 29 May, 2016

Bulletin No: - 604/2016/ Bulletin/English

Date of issue: 24th May, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	6	0	0	0	3
Max Temp (°C)	30	32	33	34	33
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly clear	Partially clear
Max RH (%)	97	97	95	99	92
Min RH (%)	64	56	49	56	42
Wind Speed (Kmph)	4	3	4	4	2
*Wind Direction	E	E	E	E	S-E

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

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

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

Weather summary of the past three days

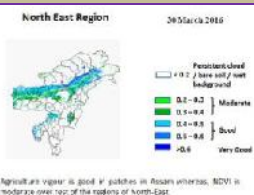
The temperature range for maximum and minimum were 23.3-24.2°C and 15.9-17.1°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 95-100% & minimum of 48-91%. Rainfall recorded for the past three days is **45.80mm.** (Source- mosdac.gov.in)

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 30-34°C and 22-23°C. Maximum relative humidity is expected in the range of 92-99% and minimum may from 49-64%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 09.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

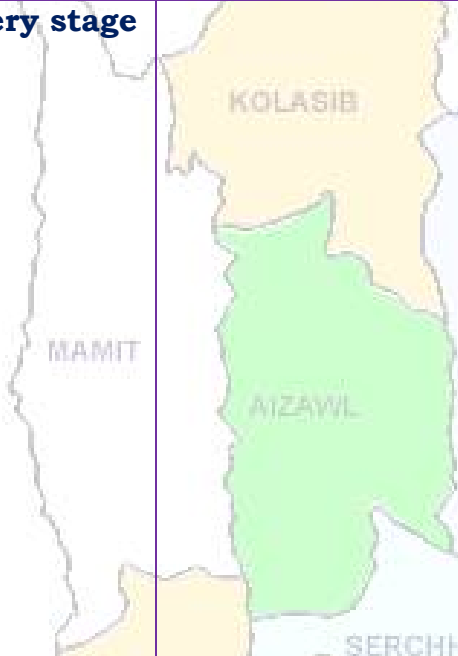


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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	- Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g per plant. - Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	- Planting is done well prepared land or pits filled up with FYM (12-15) t/ha - Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	- Provide irrigation every 7 days interval which will give better yield. - In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. - Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	- Plough the field with the help of spade. - Sow 2 seed 45 X 45 cm spacing. - Before sowing seed provide one or two irrigation. - Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHHIP	- Plough the field with the help of spade. - Sow 2 seed 15 X 20 cm spacing. - Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	- Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. - The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer. - Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. - Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha

Period: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	6	0	0	0	3
Max Temp (oC)	30	32	33	34	33
Min Temp (oC)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly clear	Partially clear
Max RH (%)	97	97	95	99	92
Min RH (%)	64	56	49	56	42
Wind Speed (Kmph)	4	3	4	4	2
*Wind Direction	E	E	E	E	S-E

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

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

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

Ni thum kaltha sik leh sa dinhmun tlangpui

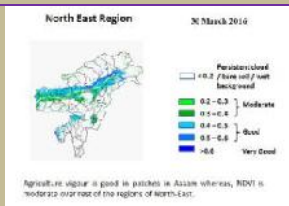
Khua a lum lai berin 23.3-24.2^oC leh a vawh lai berin 15.9-17.1^oC ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 95-100% leh a hniam lai 48-91% ani ang. Ni 3 kal ta chhung a ruah tla zatchu **045.80mm** ani. (Source- Mosdac.gov.in)

May 24, 2016 atanga May 29, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 2 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 30-34^oC a ni ang a. A vawh lai ber in 22-23^oC ni tur ah beisei a ni. RH san lai berin 92-99% leh a hniam lai berin 49-64% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 09.0mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.



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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna hrik awm thei te	Agricultural/Horticultural/ animal husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.



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Balhla	A than lai/ a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal laiin ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60 chhungin a par a chhuah thei



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			ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai	KOLASIB	- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhat a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).



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			Leitha 10kg leh bawngkek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngkek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K2O hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - Nitrogen leitha chu an mamawh



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			taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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District: Serchhip

Period: 25 May - 29 May, 2016

Bulletin No: - 604/2016/ Bulletin/English

Date of issue: 24th May, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	10	5	5	12	7
Max Temp (°C)	30	31	32	33	33
Min Temp (°C)	22	22	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	100	98	99	97
Min RH (%)	79	59	46	79	40
Wind Speed (Kmph)	2	2	3	2	2
*Wind Direction	E	E	S-E	E	S

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

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

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

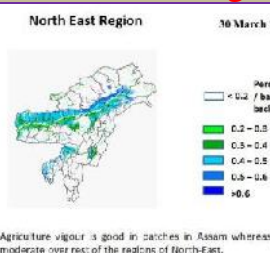
Weather summary of the past three days

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of moderate to light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 22-23°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 40-79%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 39.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

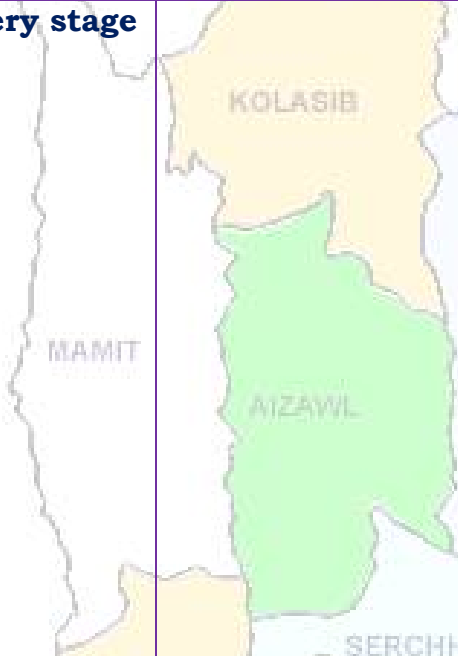


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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	- Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g per plant. - Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	- Planting is done well prepared land or pits filled up with FYM (12-15) t/ha - Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	- Provide irrigation every 7 days interval which will give better yield. - In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. - Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	- Plough the field with the help of spade. - Sow 2 seed 45 X 45 cm spacing. - Before sowing seed provide one or two irrigation. - Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage		- Plough the field with the help of spade. - Sow 2 seed 15 X 20 cm spacing. - Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	- Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. - The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer. - Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. - Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip

Period: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	10	5	5	12	7
Max Temp (oC)	30	31	32	33	33
Min Temp (oC)	22	22	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	100	98	99	97
Min RH (%)	79	59	46	79	40
Wind Speed (Kmph)	2	2	3	2	2
*Wind Direction	E	E	S-E	E	S

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

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

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

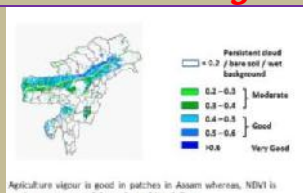
Ni thum kaltha sik leh sa dinhmun tlangpui

May 24, 2016 atanga May 29, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 2 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 30-33°C a ni ang a.A vawh lai ber in 22-23°C ni tur ah beisei a ni.RH san lai berin 97-100% leh a hniam lai berin 40-79% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 39.0mm

NDVI for Mizoram



Applicature visper is good in patches in Assam whereas, NDVI is moderate over rest of the regions of North East

NDVI of soil moisture for Mizoram is moderate wet condition.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna hrik awm thei te	Agricultural/Horticultural/ animal husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Balhla	A than lai/ a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal lai ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60



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Mizoram Centre, Kolasib- 796081, MIZORAM

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			chhungin a par a chhuah thei ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai		- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhat a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau



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			leh 15cm a sei ni se). Leitha 10kg leh bawngkek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlh chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlh a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngkek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K20 hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur.



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			✚ Nitrogen leitha chu an mamawh taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl

Period: 25 May - 29 May, 2016

Bulletin No: -604/2016/ Bulletin/Mizo

Date of issue: 24th April, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	10	5	10	10
Max Temp (oC)	31	32	32	32	33
Min Temp (oC)	20	21	21	21	22
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	98	99	98	98	98
Min RH (%)	81	74	48	85	49
Wind Speed (Kmph)	3	2	4	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.

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

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

Ni thum kaltha sik leh sa dinhmun tlangpui

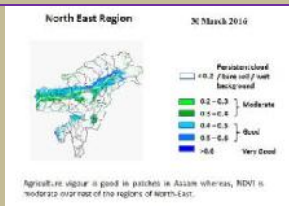
Khua a lum lai berin 23.1-25.8°C leh a vawh lai berin 16.2-17.3°C ani ang a. Chhum tlem a lan beisei ani. Thli tleh dan kawng zawng chu chhim thlang atangin ani a. Maximum RH san lai berin observed 98-100% leh a hniam lai 48-68% ani ang. Ni 3 kal ta chhung a ruah tla zatchu **054.50mm** ani. (Source- Mosdac.gov.in)

May 24, 2016 atanga May 29, 2016 sik leh sa dinhmun hmuhlawk dan

Ni 5 lo awm turah hian ruahtui a tlak beisei a ni. Khua a lum lai berin 31-33°C a ni ang a. A vawh lai ber in 20-22°C ni tur ah beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 48-81% ni tur a beisei niin. Thli tleh dan kawng zawng chu chhimchhak lam atangin a nat zawng chu darkar 2-4 km ni tur a beisei niin. Ni nga chhung lo awm tur ah hian chhum tlem a lan beisei a ni.

Weekly cumulative rainfall: 40.0mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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Thlai/ ran /sangha	Spat zawng	Hmalakna tur/ rannung leh natna hrik awm thei te	Agricultural/Horticultural/ animal husbandry atana thurawn
Serthlum	Vegetative stage		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian serthlum huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Serthlum rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.
Oil palm	A than lai/a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar thlak hnuah Bordeaux mixture tah tur ani. - Oil palm rah chu a pian a len tawh hnu ah leh a rawng pawh a hmin rawng a nih hun ah a seng theih ani.



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Balhla	A than lai/ a seng hun		- Ni 10-15 inkar danah tui pek tur. - Hnim ro in a kung bul vel chu 8cm a chhah in kan khuh bawk chuan tui hu tam tak kal ral tur a veng thei a, thlai rah a tihthat bakah hlo to tur a veng bawk dawn a ni. - Leitha chu 600:200:100 (g/plt) a pek tur. - Zinc, copper, manganese, iron, boron leh molybdenum te chu tam tham deuh hlek a pek tur ani a. Heng hian huan pumpui chhe tur a veng ani. - A zar chu hunbi nei taka thlak anih chuan a than a titha a, leitha pek tan a ti ngailo bawk a, rannung leh thlai natana dang lakah a veng thei bawk ani. - Balhla rah chu a rah a len hunah leh a rawng eng (yellow) anih hunah a seng theih.
Lakhuihthei	A than lai		- Bal, bahra, hmarcha, zikhlum, parbawr, kawlbahra, chana, behlawi chi leh chhawhchhi ten nen a chin ho hian loneitu tan a let a hlawkna a pe thin ani. - Lakhuihthei kung chu thal lai ni 20-25 inkar ah tui vawi 5/6 pek tur. - Lei titha/ti hnawng turin kawlbahra pawh a chin tel theih bawk. - Lei titha/ti hnawng turin a kung leithut ah hnim dah tur.
Lakhuihthei	A par lai		- A par chhuah hma nan chemical (Ethrel 10ppm+2% urea+0.04% sodium carbonate) chu pek tur. Tlai ah emaw thlaiin hnah 32 a neih hunah pek tur. - Chemical pek atangin ni 55-60 chhungin a par a chhuah thei



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			ang. - Leitha chu thlai pakhat ah 60:50:60g a pek tur. - Thlai hnah leh a zar thi te chu paihfai a, hnim te tihfai bawk tur.
Cucurbitaceous crops	A rah lai	KOLASIB	- Ni 7 danah tui chu tha taka pek tur. - Huan zau thamah chuan fruitfly leh pumpkin beetle ven nan carbaryl 0.2% leh malathion 0.15% chu chini tui litre khatah 10g a pawlhin kar khat danah leh a par tan tirhah leh a rah tan hunah kah tur. - Thlai pakhat a par nasat lain urea chu 70g a pek tur.
Bawrsaiabe	A chin dan	1. Nursery tihfai a tui tlem pek tur. 2. Phunsawn hnuah tui tha taka pek tur.	- A kung bulthut ah hnim chheh darh tur. - A khat tawkin tui pek tur. - A tiak phunsawn te chu nil eh ruah lakah hliahkhuh tur.
French bean	A par lai		- Bean hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - A chin atanga ni 20-25 ah bean kung chu mau in a zamna siam tur.
Bawkbawn	A chin dan		- Balu leh leitha chu lei nen a chawhpawlh hnu in 75-100cm a zau ah a phunna tur siam tur. A chinna lai chu Blue copper 100g tui litre 40 ah emaw formaldehyde nen a pawlhin leih tur. - A chi chu 5cm a inhlat a tuh in lei pangngai a vur leh tur.
Tomato	A chin dan		Nursery tur chu lei dip tha darh leh tlema pawng tur (0.8m a zau leh 15cm a sei ni se).



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			Leitha 10kg leh bawngek leitha 15:15:15 leh carbofuran 2.5g chawhpawlh pek tur.
Buh	Nursery stage	Pre kharif rice	- A chi tha leh khat tha chauh hman tur. - Tui litre 10 ah chi (salt) 250g pawlhin chutah chuan chiah tur. - Bavistin 50WP @0.1% chu tui litre khatah 2g a pawlhin a chi chu chiah tur.
		Raised bed method	- A chin na tur chu 10m a sei ni se, 1.25m a zau leh tui luanna tur 20-30cm a zau siam tur. Hei hian a chi kal ral mai mai tur a veng. - Leitha pek hnu ah a chi damdawi a chiah te chu theh tur.
Vaimim	A chin dan		- Lei chu vawi 2/3 laihphut phawt tur. - A chi chu a line indawt a chin tur - A chi chu kg khatah Thiram 4g a chiah tur. - Hectare khatah buh chi chu 20-25kg hman tur. - Bawngek leitha chu hectare khatah 5-10t chu 80:60:40kg N, P2O5 leh K2O hman tur. Vaimim chin hma in lei nen tihpawlh tur. Nitrogen chu a dose chanve in a chin hnu ah pek tur, a bang 25% chu a hnu thlakhat ah leh a dang 25% chu a par hunah pek tur.
Sawhthing leh Aieng	Land preparation		- Thlai hnah, a tang ro leh hnim te chu paihfai vek tur. - Lei chu boruak kal that nan laihphut thin tur. - Nitrogen leitha chu an mamawh



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			taw kanga pek tur.
		Thrips	✚ Roger emaw Monocrophos chu tui litre khatah 2.5ml a pawlhin kah tur.
		Scales	✚ Quinalphos emaw Monocrotophos chu tui litre khatah 2.5ml a pawlhin kah tur.
Vawk	Kumtluanin	Porcine Reproductive Respiratory Syndrome (PRRS).	1. A natna vei vawk te chu thah a phum tur a ni.
	A puitling hun	Swine fever.	2. Vawk thla hnih a nihin SF vaccine pek tur a ni a, he vaccine hi thla ruk emaw kumtluanin pek chhunzawm tur
Bawng	Kumtluanin	Foot and Mouth Disease (FMD)	• Thla16 a upa an rih in FMD vaccine pek tur a nia, thla 6 danah pek chhunzawm tur a ni.
	A naupan lai	Black Quarter (BQ)	• Black Quarter Vaccine (BQ) ✚ Thla ruk an tlin hunah vaccine lak tan tur. ✚ Kumkhat hnu ah vaccine pek leh tur.
Ar	Kumtluanin	Ranikhet Disease.	1. Ar note an pian hlimin F ₁ vaccine pek tur a nia an puitlin hunah R ₂ B pek leh tur a ni.
		Coccidiosis	2. Amprolium emaw coccidiostat pek tur.



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishnaiari@rediffmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Research Associate (Mizo language Translator)	mamamralte@yahoo.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiantge	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl

Period: 25 May - 29 May, 2016

Bulletin No: - 604/2016/ Bulletin/English

Date of issue: 24th May, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	5	10	5	10	10
Max Temp (°C)	31	32	32	32	33
Min Temp (°C)	20	21	21	21	22
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	98	99	98	98	98
Min RH (%)	81	74	48	85	49
Wind Speed (Kmph)	3	2	4	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.

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

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

Weather summary of the past three days

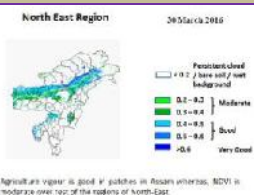
The temperature range for maximum and minimum were 23.1-25.8°C and 16.2-17.3°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly to easterly. Maximum RH observed 98-100% & minimum of 48-68%. Rainfall recorded for the past three days is **054.50mm.**
(Source-mosdac.gov.in)

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-33°C and 20-22°C. Maximum relative humidity is expected in the range of 97-98-99% and minimum may from 48-81%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 40.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

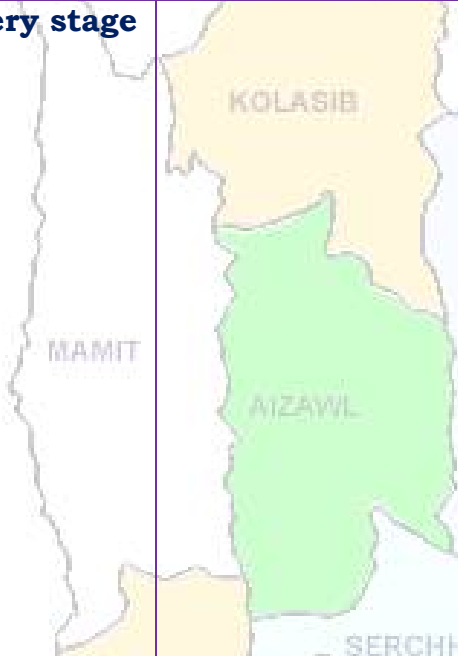


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Mizoram Centre, Kolasib- 796081, MIZORAM

(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
Khasi Mandarin and acid lime	Nursery stage		✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	- Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	MIZAWL	- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g per plant. - Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	- Planting is done well prepared land or pits filled up with FYM (12-15) t/ha - Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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Mizoram Centre, Kolasib- 796081, MIZORAM

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			within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	- Provide irrigation every 7 days interval which will give better yield. - In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. - Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	- Plough the field with the help of spade. - Sow 2 seed 45 X 45 cm spacing. - Before sowing seed provide one or two irrigation. - Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage		- Plough the field with the help of spade. - Sow 2 seed 15 X 20 cm spacing. - Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	- Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. - The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer. - Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. - Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com



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: 25 May - 29 May, 2016

Bulletin No: - 604/2016/ Bulletin/English

Date of issue: 24th May, 2016

Parameters	25.05.2016	26.05.2016	27.05.2016	28.05.2016	29.05.2016
Rainfall (mm)	18	14	17	15	9
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	22	22	22	23	23
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Partially clear	Mainly clear
Max RH (%)	96	96	94	93	92
Min RH (%)	77	66	46	76	45
Wind Speed (Kmph)	3	2	4	4	2
*Wind Direction	S	S	S	S	S

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

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

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

Weather summary of the past three days

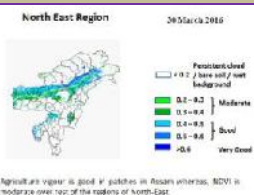
The temperature range for maximum and minimum were 22.6-23.4°C and 15.6-17.4°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly to easterly. Maximum RH observed 97-100% & minimum of 48-75%. Rainfall recorded for the past three days is **079.20mm.**
(Source-mosdac.gov.in)

Weather forecast valid from 25th May, 2016 To 29th April, 2016.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 22-23°C. Maximum relative humidity is expected in the range of 92-96% and minimum may from 45-76%. Wind direction would be southerly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 73.0 mm

NDVI for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

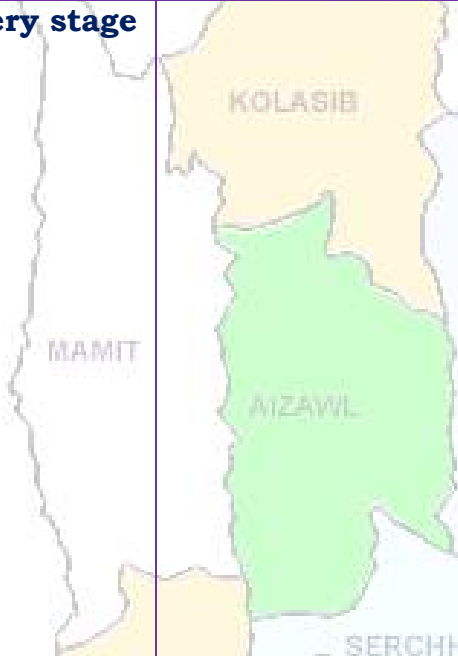


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Main Crop/ Animal / Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin and acid lime	Nursery stage		✚ By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages. ✚ Potting mixture of soil, sand and FYM or compost should be in proper ratio. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Only certified seed should be used. ✚ Stagnation of water in beds should be avoided. ✚ Seedling of uniform height should be selected for planting. ✚ Hooked or bench rooted plants should be discarded. ✚ Plant protection measures should be followed.
Oil plam	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt). ✚ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. ✚ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage		✚ Cleaning near base of the plant and cut unwanted branches. ✚ Application of split dose of fertilizer 600: 200:100 (g/pt).



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		KOLASIB	- Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. - Pruning on a regular basis removes unwanted or a sucker, keep production mats in optimum condition, saves fertilizer, reduces pest and disease. - Fruits are harvested when they attain full size, develop attractive yellow colour.
Passion Fruit	Nursery stage	AIZAWL	- Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. - When two to three leaves develop, seedling should be transplanted in polythene bags. - The seedlings are planted in field when they become 3-4 months old. - Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Pineapple	Flowering stage	LUNGLEI	- Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. - The flowering emergence will come out after 55-60 days after chemical spraying. - Apply split doses of fertilizer @ 60: 50:60 g per plant. - Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	LAWNGTLAI	- Planting is done well prepared land or pits filled up with FYM (12-15) t/ha - Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and



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			within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceous crop	Fruiting stage	KOLASIB	- Provide irrigation every 7 days interval which will give better yield. - In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. - Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	- Plough the field with the help of spade. - Sow 2 seed 45 X 45 cm spacing. - Before sowing seed provide one or two irrigation. - Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage		- Plough the field with the help of spade. - Sow 2 seed 15 X 20 cm spacing. - Before sowing seed provide one or two irrigation.
Brinjal	Transplanting stage	LUNGLEI	- Equal quantity of sand and well decomposed FYM are mixed with soil and raised beds of 75-100 cm width and convenient length are prepared and these beds are treated with a solution of 100g of blue copper dissolved in 40 litres of water or formaldehyde. - The seeds can be sown in lines drawn at a spacing of 5 cm across the beds and cover with top soil.
Rice	Nursery stage	Pre Kharif Rice	- Use only Well filled and healthy seeds. - Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. - Seed treated with Bavistin 50 WP @ 0.1%



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		Raised bed method	(2 g/lt) solution. ➤ The size of each bed should be 10 m in length in length and 1.25 m in width with 20-30 cm wide channel for irrigation, drainage and easy movement, it takes care of the seedlings without trampling them. ➤ Treated seed should be evenly broadcasted in each bed after applying manure.
Maize	Sowing stage	Thrips	- Two to three plough are necessary to get the soil well pulverized and weed free. - Seed is being placed in furrows. - Seed should be treated with Thiram @4 g/kg seed. - Use optimum seed rate (20-25 kg/ha) for desire plant population. - Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Ginger and turmeric	Land preparation	Scales	- Remove all unwanted leaves, branches and weed near to the plant. - Earthing up the soil for better aeration. - Apply split dose of nitrogen fertilizer. - Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips. - Spray Quinalphos or Monocrotophos (2.5 ml/lt) for controlling scales.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and



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	Young stage	Disease (FMD) Black Quarter (BQ)	repeat every 6 month. • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat





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Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
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Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratantplantpatho@gmail.com
Dr. L. H. Puui	:	Scientist (Vet. Microbiology)	lpuii@gmail.com
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Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	:	Senior Research Fellow (Mizo language Translator)	mamamralte@yahoo.com
Mrs. Monika Bora	:	Meteorological Observer (IMD)	boramonika@rediffmail.com

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com kvknahtial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vv19@rediffmail.com kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@gmail.com
Dr. K. P. Chaudhary	:	PC KVK, Aizawl	Kpchy@rediffmail.com kvkaizawl@rediffmail.com