

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

three

days

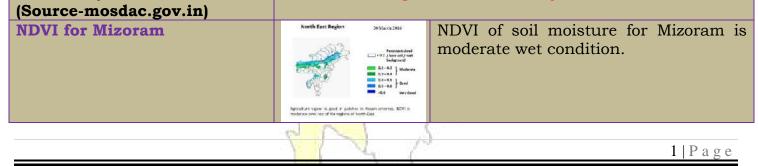
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Bulletin No: - 603/2016/ Bulletin/English

Period: 21 May - 25 May, 2016 Date of issue: 20th May, 2016

	1 1	1	2		
Parameters	21.05.2016	22.05.2016	23.05.2016	24.05.2016	25.05.2016
Rainfall (mm)	110	90	10	8	5
Max Temp (°C)	25	25	25	27	29
Min Temp (°C)	19	19	19	18	18
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	99	99	99	96	98
Min RH (%)	91	94	75	63	47
Wind Speed (KmpH)	4	4	2	2	4
*Wind Direction	S-E	E	S-W	S-E	S-E
		Casterly- <mark>N-E</mark> , Eas			
		/esterly- <mark>S-W</mark> , We			
		30, 2016 (Percent			
Aizawl- 245.10 mm	· · · · · · · · · · · · · · · · · · ·	- 103.20mm	Saiha- 33.0 mi		293.90 mm
(185.67mm	· · · ·	(119.49mm)	(109.81n		(213.61mm)
Lawngtlai-45.40 mm			Mamit-346.74 n		ip-76.5mm
(101.58mm)		117.69mm)	(236.28n	· · · · · · · · · · · · · · · · · · ·	(110.96mm)
Weather summary	-	Weather fored			10 10 25 1
three day		D1 1	April, 2		1 1
The temperature	U U	There are chance	U U		U U
maximum and mini		rainfall during		•	
21.3-26.8°C and 1		ninimum tempe		-	
respectively. Mainly		25-29ºC and 1			0
was observed. Wind	direction is ϵ	expected in the	range of 96-99	% and minimu	am may from
southeasterly to	easterly. 4	47-94%. Wind direction would be southeasterly to easterl			
Maximum RH obs	served 92- a	and southwester	ly with the win	d speed of 2-4	km per hour.
100% & minimum	of 84-93%. N	Mainly cloudy sk	y will prevail d	uring the next :	five days.
Rainfall recorded for	or the past				

Weekly cumulative rainfall: 223.0 mm



158.80mm.



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 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
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	LAWNGTLA	 Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt).
		PN 2	2 P a g e



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	$\sum_{i=1}^{n}$	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	AIZAVIL	 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 delop, 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 per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	SAIHA	 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
		Y Y T	3 P a g e



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		N	 within rows in the pits. Inorganic fertilizer like Urea, SSP and MOR @ 220: 275: 124 km
Cucurbitaceo us crop	Fruiting stage	23	MOP @ 220: 375: 134 kg. Provide irrigation every 7 days interval which will give better yield.
	(KOLASIB	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
	5	52(fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
	MAMIT	$\langle \rangle$	Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	Weeding and light irrigation	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing.
	Y	in nursery bed.	4 Before sowing seed provide one or two
	2	Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1	transplanted	1 5
	12	okra field.	
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
		No hand	Sow 2 seed 15 X 20 cm spacing.
	<u>}</u>	5	4 Before sowing seed provide one or two
			irrigation.
Brinjal	Transplanting	In the second	+ Equal quantity of sand and well
	stage	LUNGLEI	decomposed FYM are mixed with soil and raised beds of 75-100 cm width and
	1		convenient length are prepared and these
	L.		beds are treated with a solution of 100g of
			blue copper dissolved in 40 litres of water
			or formaldehyde.
		1 1 1 1	The seeds can be sown in lines drawn at a
		1 45 7	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.
		/ SAIHA	4 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%
		PN 1	
		YY V. /	4 P a g e



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		9	(2 g/lt) solution.
		Raised bed	\succ The size of each bed should be 10 m in
		method	length in length and 1.25 m in width with
		1	20-30 cm wide channel for irrigation,
		1 8	drainage and easy movement, it takes care
	12	KOLASIE	of the seedlings without trampling them.
		NULROID >	> Treated seed should be evenly broadcasted
		LA N	in each bed after applying manure.
Maize	Sowing stage	SAL	4 Two to three plough are necessary to get
			the soil well pulverized and weed free.
	1	1 6 5	4 Seed is being placed in furrows.
		1 24	♣ Seed should be treated with Thiram @4
	MAMIT	1	g/kg seed.
	2 - Mariana	a los estas a la la	Use optimum seed rate (20-25 kg/ha) for
	1	ANZAWIL	desire plant population.
		1	Apply well decomposed FYM @ 5-10 t/ha
	N	S	along with $80:60:40$ kg N, P_2O_5 and
	A	1 5/5	K ₂ O/ha incorporate with soil before
	1	~ 1 ~	sowing. Half nitrogen dose will use at the
)))		time of sowing and remaining 25% after
		SERCHH	
Ginger and	Land	V	4 Remove all unwanted leaves, branches and
turmeric	preparation	L.	weed near to the plant.
			Earthing up the soil for better aeration.
	, K8		Apply split dose of nitrogen fertilizer.
	1	Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)
	2	Sector States	for controlling thrips.
	1	Scales	Spray Quinalphos or Monocrotophos (2.5
	N	α (~~	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive)
		Respiratory	C
		Syndrome	25
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		C SAIHA	vaccines at 2 months and yearly
			interval/6 month interval
Cattle	All age group	Foot and Mouth	FMD vaccine at 16 week and
		S 1 7	5 D a c a
		4 6	5 P a g e



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	✤ Primary vaccination 6 month or
	1 1	1	above
	1 1 1 2	5	 Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	MAMIT	LUNGLEI LAVINGTLAI SAIHA	

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



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7 | P a g e



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

Guwahati)



District: Lawngtlai

Bulletin No: - 603/2016/ Bulletin/English

Period: 21 May - 25 May, 2016

ish	Date	of issue:	20 th	Mav.	2016
LOIL	Duce	or 1994c.		may,	2010

	1 N					
Parameters	21.05.2016	22.05.2016	23.05.2016	24.05.2016	25.05.2016	
Rainfall (mm)	85	50	55	15	4	
Max Temp (°C)	26	26	26	26	30	
Min Temp (°C)	18	18	18	20	20	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	97	97	98	94	95	
Min RH (%)	95	85	95	80	50	
Wind Speed (KmpH)	7	6	6	3	5	
*Wind Direction	S-E	E	S	E	E	
Northe	rly- N, North-E	asterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-W	esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W	•	
		30, 2016 (Percent				
Aizawl- 245.10 mm	· · · · · · · · · · · · · · · · · · ·	- 103.20mm	Saiha- 33.0 m		- 293.90 mm	
(185.67mm		119.49mm)	(109.81r		(213.61mm)	
Lawngtlai-45.40 mm	-		<mark>Mamit-346.74</mark> r		11p-76.5mm	
(101.58mm)	· · · · · · · · · · · · · · · · · · ·	117.69mm)	(236.28r	*	(110.96mm)	
Weather summary		Weather fore	cast valid fron	n 21 th May, 20	16 To 25 th	
three day	s	April, 2016.				
There are chances of light to moderate and head during the next 5 days. The maximum and temperatures for the next 5 days may range for and 18-20°C. Maximum relative humidity is en the range of 94-98% and minimum may from Wind direction would be southeasterly to ean southerly with the wind speed of 3-7 km per hor cloudy sky will prevail during the next five days.					nd minimum e for 26-30°C s expected in from 50-97%. easterly and hour. Mainly ys.	
		weekiy	cumulative r	ainjall: 209.0	mm	
		LAWNGTLAK	HA S			
		NY L	19		1 Page	



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NDVI for Mizora		North East Region 30 Mars	NDVI of soil moisture for Mizoram is
NDVI IOT MIZOT	MD VI IOI MIZOIAIII		moderate wet condition.
		5572	
		0.2	
		0.2-0	
		0.5-0	
		Agriculture vigour is good in patches in Assam when	
		moderate over rest of the regions of North-East.	
Main Crop/ Animal	Stage	Cultural	Agricultural / Horticultural / animal
		practices/ Pest/	husbandry advisories
/Fisheries Khasi	Numerows	Diseases	Pry good on Sound and should be source in the
Mandarin and	Nursery stage	1	By seeds: Seed should be sown in the nursery immediately after extraction in to a
acid lime	/ MAMIT	1	depth 1.5 to 2 cm extraction at 10x5 cm
aciu iiiite	2	ANZAWIL 1	distance. Seedlings are planted in secondary
		2	bed or polythene bags at 4-6 leaf stages.
		1 3	↓ Potting mixture of soil, sand and FYM or
	1	1 24	compost should be in proper ratio.
	1	A LA	+ Application of split dose of fertilizer 600:
	10.5		200:100 (g/pt).
	0	SERCHH	• Only certified seed should be used.
		12 martine	4 Stagnation of water in beds should be
	1		avoided.
			4 Seedling of uniform height should be
	1		selected for planting.
		LUNGLEI	Hooked or bench rooted plants should be
	2	LONGLEI	discarded.
	1		+ Plant protection measures should be
	T	n (~~	followed.
Oil plam	Vegetative		Cleaning near base of the plant and cut unwanted branches.
	stage	19 al	Application of split dose of fertilizer 600:
			200:100 (g/pt).
			Apply micro-nutrients viz. zinc, copper,
		A AND THE REAL PROPERTY AND A	manganese, iron, boron and molybdenum
		LAWNGTLA	are required in ample quantities for
		C SAIHA	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		1211	whole orchard.
·		617 A	2 P a g e



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		0	4 Fruits are harvested when they attain full
			size, develop attractive colour with optimum
			sugar and acid blend.
Banana	Vegetative	1 3	4 Cleaning near base of the plant and cut
	stage	5	unwanted branches.
		KOLASIE	4 Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
)	(A)	4 Apply micro-nutrients viz. zinc, copper,
	5		manganese, iron, boron and molybdenum
	1	5 6	are required in ample quantities for
		5 51	supplying nutrients and also reduce serious
	K		disorders which may lead to decline of the
	/ MAMIT	1	whole orchard.
	20	A AIZAWIL	Pruning on a regular basis removes unwanted or a sucker, keep production mats
		2	in optimum condition, saves fertilizer,
		5	reduces pest and disease.
	S	1 5	Fruits are harvested when they attain full
)		size, develop attractive yellow colour.
Passion Fruit	Nursery stage		4 Raising planting materials through seeds,
		SERCHH	P ripe fruits from vines yielding quality fruits
	1	V L	should be collected and extract the seeds
	5		should be sown after 15-20 days in raised
	10		nursery beds.
			When two to three leaves delop, seedling
		LUNGLEI	should be transplanted in polythene bags.
	5		The seedlings are planted in field when they become 3-4 months old.
		5	Apply well decompose FYM @
		A Star	15kg/pit/year along with 100.50.100 g NPK
			per pit.
Pineapple	Flowering	111	Apply flowering inducing chemical (Ethrel
PP	stage	N S Y	10 PPM+2% urea+0.04% Sodium
			Carbonate) should be applied in the heart of
		LAWNGTLAL	the plant. In evening and only when plants
		- SAIHA	
		11 11	4 The flowering emergence will come out
			after 55-60 days after chemical spraying.
		00	Apply split doses of fertilizer @ 60: 50:60 g
		NY V	3 P a g e



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



		2	per plant. 4 Remove all unwanted leaves, branches and
	1 Element of a		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	AIZAWA	 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
	35		 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	A.S	 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	LAWNGTLAL	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.
		PAN	4 P a g e



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			- at
			4 The seeds can be sown in lines drawn at a
			spacing of 5 cm across the beds and cover
		S S	with top soil.
Rice	Nursery stage	Pre Kharif Rice	4 Use only Well filled and healthy seeds.
		1 5	↓ Put the seed in 2.5% salt solution i.e 250 g
	1	KOLASIE	of common salt in 10 lts of water.
) NOLKOID	4 Seed treated with Bavistin 50 WP @ 0.1%
	1	LN N	(2 g/lt) solution.
	1	Raised bed	The size of each bed should be 10 m ir
	2	method	length in length and 1.25 m in width with
	1	method	
		2	20-30 cm wide channel for irrigation,
	Carrows	1	drainage and easy movement, it takes care
	/ MAMIT	5 2	of the seedlings without trampling them.
	Sec. 1	ANZAVAL 1	> Treated seed should be evenly broadcasted
		Anne-sources	in each bed after applying manure.
Maize	Sowing stage	1	➡ Two to three plough are necessary to get
	<u>A</u>	N 8.7	the soil well pulverized and weed free.
		1 1 2	Seed is being placed in furrows.
	2.0	~ 1	Seed should be treated with Thiram @4
	3.2	Same la	g/kg seed.
	6	SERCHH	Use optimum seed rate (20-25 kg/ha) for
		W La	desire plant population.
			Apply well decomposed FYM @ 5-10 t/ha
			along with $80:60:40$ kg N, P_2O_5 and
	18		K ₂ O/ha incorporate with soil before
		111111151510	sowing. Half nitrogen dose will use at the
	1	LUNGLEI	time of sowing and remaining 25% after
	1		one month and 25% at flowering stage.
Ginger and	Land	1. IC	Remove all unwanted leaves, branches and
turmeric	preparation	N N	weed near to the plant.
	Proparación		Earthing up the soil for better aeration.
		175	Apply split dose of nitrogen fertilizer.
		Thrips	 Apply spin dose of introgen returner. Spray Roger or Monocrotophos (2.5 ml/lt)
		Thilps	for controlling thrips.
		A AMPROPERTY	<u> </u>
		LAWScales	
D! -	A11	SAIHA	, e
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	20
		CIN Y)
			5 P a g e

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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 R_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



6 | P a g e



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LAWNGTLA SAIHA

7 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Bulletin No: - 603/2016/ Bulletin/English

Period: 21 May - 25 May, 2016 Date of issue: 20th May, 2016

	N N	1	1		
Parameters	21.05.2016	22.05.2016	23.05.2016	24.05.2016	25.05.2016
Rainfall (mm)	90	50	25	20	7
Max Temp (°C)	26	26	26	29	32
Min Temp (°C)	18	18	20	20	20
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear
Max RH (%)	99	99	99	98	98
Min RH (%)	98	96	97	85	47
Wind Speed (KmpH)	5	4	3	2	3
*Wind Direction	S-E	N-E	S-W	E	E
Northe	rly- <mark>N</mark> , North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , We			
		-30, 2016 (Percent			
Aizawl- 245.10 mm	· · · · · · · · · · · · · · · · · · ·	i- 103.20mm	Saiha- 33.0 m		293.90 mm
(185.67mm)		(119.49mm)	(109.81r		(213.61mm)
Lawngtlai-45.40 mm			Mamit-346.74 r		ip-76.5mm
(101.58mm)		(117.69mm)	(236.28r	f	(110.96mm)
Weather summary of		Weather forecast valid from 21 th May, 2016 To 25 th			
three days			April, 2		
The temperature		There are chances of light to moderate and very heavy			
maximum and mini		rainfall during		0	
23.1-28.4°C and 1		minimum tempe			
respectively. Mainly	cloudy sky	26-32°C and 2	18-20ºC. Maxi	mum relative	humidity is
was observed. Wind	direction is	expected in the	range of 98-99	9% and minimu	am may from
southeasterly. Max	imum RH	47-98%. Wind	direction wo	ould be sout	heasterly to
observed 99-95% &	minimum	northeasterly to	southeasterly	and easterly w	vith the wind
of 48-82%. Rainfall r	ecorded for	speed of 2-5 km per hour. Mainly cloudy sky will prevai			
the past three		during the next five days.			
-	rce-NICRA,	0	5		
AWS Network)		Weeklu	ı cumulative r	ainfall: 192.0	mm
NDVI for Mizoram		North East Region 3055arch 2016		oil moisture for	
		SSI3- Peolitetick	moderate	vet condition.	
		Protected + 02 / hor synthesis bedge sent 0.2-9.3 Mark	uet .	et contaition.	
		us-es } due			
		10.6 Very	Crowl		
		Agrinult are vigour is good at patches in Assam whereas, NDVI modurate over rest of the regions of North-East			
		01			
		Y			1 Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbanury auvisories
Khasi	Nursery stage		4 By seeds: Seed should be sown in the
Mandarin and acid lime		KOLASIB	nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary
	1	The C	 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:
		\sim	200:100 (g/pt).
	{ MAMIT	AIZAVIL	 Only certified seed should be used. Stagnation of water in beds should be
		3	avoided. 4 Seedling of uniform height should be
	1	1 2	selected for planting.
		1 12	Hooked or bench rooted plants should be discarded.
	3.5		 Plant protection measures should be
		SERCHH	
Oil plam	Vegetati <mark>ve</mark> stage	Vin	Cleaning near base of the plant and cut unwanted branches.
	Stage		+ Application of split dose of fertilizer 600:
			200:100 (g/pt).
		LUNGLEI	Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
	1		are required in ample quantities for
	5	n (~~	supplying nutrients and also reduce serious
		1	disorders which may lead to decline of the
		1270	whole orchard. \blacksquare Fruits are harvested when they attain full
		1 4 4	size, develop attractive colour with optimum
			sugar and acid blend.
Banana	Vegetative stage	LAWNGTLAN	Cleaning near base of the plant and cut unwanted branches.
			Application of split dose of fertilizer 600: 200:100 (g/pt).
		001)
		The second	2 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	 Apply micro-nutrients viz. zinc, copper manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce seriou disorders which may lead to decline of th whole orchard. Pruning on a regular basis remove unwanted or a sucker, keep production mat in optimum condition, saves fertilizer reduces pest and disease. Fruits are harvested when they attain ful size, develop attractive yellow colour.
Passion Fruit	Nursery stage	 Raising planting materials through seeds ripe fruits from vines yielding quality fruit should be collected and extract the seed should be sown after 15-20 days in raised nursery beds. When two to three leaves delop, seedling should be transplanted in polythene bags. The seedlings are planted in field when the become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPH per pit.
Pineapple	Flowering stage	 Apply flowering inducing chemical (Ethree 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plant have at least 32 leaves. The flowering emergence will come our after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and
		3 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



		2	 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	SERCHH	 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		 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 SAIHA	 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%
		PN A	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		0	(2 g/lt) solution.
		Raised bed	> The size of each bed should be 10 m in
	1 pm	method	length in length and 1.25 m in width with
	1 1	1 2	20-30 cm wide channel for irrigation,
	1 1.	2	drainage and easy movement, it takes care
		KOLASIE	of the seedlings without trampling them.
	1	NUCROID >	> Treated seed should be evenly broadcasted
	1	LA N	in each bed after applying manure.
Maize	Sowing stage	3 1	4 Two to three plough are necessary to get
			the soil well pulverized and weed free.
	1	15	4 Seed is being placed in furrows.
			♣ Seed should be treated with Thiram @4
	MAMIT		g/kg seed.
	Z stationa	Anne and a second	Use optimum seed rate (20-25 kg/ha) for
	30	< AIZAWIL	desire plant population.
		1 N	Apply well decomposed FYM @ 5-10 t/ha
		5	along with $80:60:40$ kg N, P_2O_5 and
		1 1	K_2O/ha incorporate with soil before
			sowing. Half nitrogen dose will use at the
	1.5		time of sowing and remaining 25% after
		SERCHH	
Ginger and	Land	12 Martin	4 Remove all unwanted leaves, branches and
turmeric	preparation		weed near to the plant.
••••••	Propulsion	100 million (100 million)	4 Earthing up the soil for better aeration.
	18		Apply split dose of nitrogen fertilizer.
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)
	2	LONGLEI *	for controlling thrips.
		Scales	Spray Quinalphos or Monocrotophos (2.5
	N	A 2~~	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	S
		Respiratory	1
		Syndrome	2
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		/ SAIHA	
			interval/6 month interval
Cattle	All age group	Foot and Mouth	FMD vaccine at 16 week and
	· · · · · · ·	6 N 1	Y
		N Y	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	 ✤ Primary vaccination 6 month or
	1 1		above
	3 10	2	 Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
		Disease.	and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	MAMIT	LUNGLEI LAVINGTLAI SAIHA	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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7 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



1 | Page

District: Mamit

Bulletin No: - 603/2016/ Bulletin/English

Period: 21 May - 25 May, 2016 Date of issue: 20th May, 2016

	1. 1	1	2			•	
Parameters	21.05.2016	22.05.201	6 23	.05.2016	24.05.2016	25.05.2016	
Rainfall (mm)	100	80		20	12	10	
Max Temp (°C)	26	26		26	28	30	
Min Temp (°C)	21	21		21	20	22	
Cloud Coverage	Partially clear	Partially clea	ar Pa	rtially clear	Partially clear	Partially clear	
Max RH (%)	99	99		99	94	98	
Min RH (%)	96	96		85	64	46	
Wind Speed (KmpH)	4	4		2	2	4	
*Wind Direction	S-E	N-E		S	S-E	S-E	
Northe	rly- <mark>N</mark> , North-I	Easterly- N-E,	Easterl	y- <mark>E</mark> , South	-Easterly- <mark>S-E</mark> ,		
					-westerly- N-W.		
					n normal in pare		
Aizawl- 245.10 mm		- 103.20mm	Sai	ha- 33.0 m		293.90 mm	
(185.67mm		(119.49mm)		(109.81r		(213.61mm)	
Lawngtlai-45.40 mm		73.06 mm	Mam	it-346.74 r		ip-76.5mm	
(101.58mm)		117.69mm)		(236.281		(110.96mm)	
Weather summary		Weather forecast valid from 21 th May, 2016 To 25 th					
three day				April, 2			
The temperature	<u> </u>	There are chances of moderate to very heavy rainfall during					
maximum and mini		the next 5	5		naximum and		
25.3-27.8°C and 1		-			ays may range		
respectively. Mainly	cloudy sky a	and 20-22°C.	. Maxir	num relati	ve humidity is	expected in	
was observed. Wind	direction is 1	the range of	94-99	% and mi	nimum may fr	com 46-98%.	
southeasterly to	easterly.	Wind directio	n woul	d be south	neasterly to nor	theasterly to	
Maximum RH obs	served 97-	southerly with	h the w	vind speed	of 2-4 km per	hour. Mainly	
100% & minimum	of 49-84%.	cloudy sky will prevail during the next five days.					
Rainfall recorded fo	r the past	0 0	-	U	Ū.		
	18.80 ^m m.	Weekly cumulative rainfall: 222.0 mm					
(Source-mosdac.gov			Ŭ		.		
NDVI for Mizoram		North East Region 3455ar	ch 2016	NDVI of so	oil moisture for	r Mizoram is	
		502			et condition.		
			/bare sol/ wat badground 9.3] Moderate				
			** 1 mul				
		10 - 101	Very Good				
		Agriculture vigour is good of patches in Assam when modurate over top: of the regions of North-East	ras, NDVI is				

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ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 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.
	12	ornout	+ Plant protection measures should be
Oil plam	Vegetative stage		 followed. 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	LAWNGTLAUS	 Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt).
L		201	(0 F.).
		NN P	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Passion Fruit	Nursery stage	 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 ful size, develop attractive yellow colour.
Passion Fruit	Nursery stage	 Kaising 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 delop, 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 (Ethre 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 ou 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	 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
		3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		2	within rows in the pits.
			Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	1	4 Provide irrigation every 7 days interval
us crop	Traiting Stuge	1 8	which will give better yield.
us crop	14	V succession of	 In large gardens apply carbaryl 0.2 per cent
		KOLASIB	
	1	In S	or malathion 0.15 per cent suspension
		~~~ ?	containing sugar or jeggery at 10 g/l at
	5		fortnightly intervals at flowering and fruit
	1	5 6	initiation against fruit fly and pumpkin
		5 51	beetle.
	1		♣ Provide split doses of urea (70g/pt) at the
	/ MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	+ Plough the field with the help of spade.
	1 A A A A A A A A A A A A A A A A A A A	light irrigation	4 Sow 2 seed 45 X 45 cm spacing.
	1	in nursery bed.	<b>4</b> Before sowing seed provide one or two
	1	Provide	irrigation.
		irrigation in	🖊 Provide fertilizer @ 120: 60: 60 Kg/ha
	1	transplanted	
	1.1	okra field.	
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
-	3 3	V La	Sow 2 seed 15 X 20 cm spacing.
		E.	4 Before sowing seed provide one or two
			irrigation.
Brinjal	Transplanting		Equal quantity of sand and well
j~-	stage	LUNGLEI	decomposed FYM are mixed with soil and
		CONGUE	raised beds of 75-100 cm width and
			convenient length are prepared and these
	1		beds are treated with a solution of 100g of
		1	blue copper dissolved in 40 litres of water
			or formaldehyde.
			The seeds can be sown in lines drawn at a
		N La Y	
			spacing of 5 cm across the beds and cover
<b>D</b> !	NT	D. MITTER TO THE	with top soil.
Rice	Nursery stage	Pre Kharif Rice	Use only Well filled and healthy seeds.
		C SAINA	
			of common salt in 10 lts of water.
			Seed treated with Bavistin 50 WP @ 0.1%
		CIN Y	· · · -
		A A A	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			(2 g/lt) solution.
		Raised bed	$\succ$ The size of each bed should be 10 m in
		method	length in length and 1.25 m in width with
	16 18	1 3	20-30 cm wide channel for irrigation,
	3 10	2	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
	1	industrial 2	> Treated seed should be evenly broadcasted
	1	LA N	in each bed after applying manure.
Maize	Sowing stage	3 1	<b>4</b> Two to three plough are necessary to get
			the soil well pulverized and weed free.
	1	1 6 5	<ul> <li>Seed is being placed in furrows.</li> </ul>
			↓ Seed should be treated with Thiram @4
	> MAMIT		g/kg seed.
	2	1	Use optimum seed rate (20-25 kg/ha) for
	30	ANZAWIL I	desire plant population.
		1	Apply well decomposed FYM @ 5-10 t/ha
		1 3	
	1	1 64	along with $80:60:40$ kg N, $P_2O_5$ and $V_1O_2O_5$ before with acil, before
		1 1 2	$K_2O/ha$ incorporate with soil before
			sowing. Half nitrogen dose will use at the
	12		time of sowing and remaining 25% after
		SERCHH	
Ginger and	Land	No long	<b>4</b> Remove all unwanted leaves, branches and
turmeric	preparation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	weed near to the plant.
			<b>+</b> Earthing up the soil for better aeration.
			+ Apply split dose of nitrogen fertilizer.
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)
	2		for controlling thrips.
		Scales	Spray Quinalphos or Monocrotophos (2.5
	<u></u>	$\gamma$	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	S.
		Respiratory	C
		Syndrome	2
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		/ SAIHA	
		1	interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and
		en l	
		NY NY P	5   P a g e



### **ICAR RESEARCH COMPLEX FOR NEH REGION**



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	✤ Primary vaccination 6 month or
	1 1	1	above
	1 2	5	<ul> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	(	Disease.	and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	MAMIT	LUNGLEI LAVINGTLAI SAIHA	

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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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





### **District: Saiha**

Bulletin No: - 603/	2016/ Bulletin/	English
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### **Period:** 21 May - 25 May, 2016 **Date of issue:** 20th May, 2016

	N N	1	3				
Parameters	21.05.2016	22.05.2	016	23.05.2016	24.05.2016	25.05.2016	
Rainfall (mm)	50	40		30	10	5	
Max Temp (°C)	26	26		26	30	30	
Min Temp (°C)	20	20		20	21	22	
Cloud Coverage	Partially clear	Partially	clear	Partially clear	Mainly cloudy	Mainly cloudy	
Max RH (%)	98	98		99	95	95	
Min RH (%)	96	85		97	87	49	
Wind Speed (KmpH)	4	4		7	2	4	
*Wind Direction	E	E		S	E	E	
Northe	rly- N, North-l	Easterly- <mark>N</mark>	E, East	erly- E, South	-Easterly- <mark>S-E</mark> ,		
					-westerly- N-W.		
					n normal in pare		
Aizawl- 245.10 mm	· · · · · · · · · · · · · · · · · · ·	i- 103.20m		<mark>Saiha</mark> - 33.0 mr		293.90 mm	
(185.67mm		(119.49mm		(109.81n		(213.61mm)	
Lawngtlai-45.40 mm				<mark>amit</mark> -346.74 n		ip-76.5mm	
(101.58mm)		(117.69mm	/	(236.28n	*	(110.96mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weathe	r foreca		n 21 st May, 201	16 To 25 th	
three day		April, 2016.					
The temperature					eavy and very h		
maximum and mini	imum were						
24.6-25.1°C and 1	6.3-18.3°C	temperatui	res for	the next 5 da	ays may range	for 26-30°C	
respectively. Mainly	cloudy sky	and 20-22	⁰ C. Ma	ximum relati	ve humidity is	expected in	
was observed. Wind					nimum may fr	· · · · · · · · · · · · · · · · · · ·	
southeasterly. Max					erly to southe		
observed 94-99% &					2	<b>.</b>	
of 50-85%. Rainfall r		wind speed of 2-7 km per hour. Mainly cloudy sky will prevail during the next five days.					
the past three	days is	provan dar		none nve day.			
<b>28.30mm.</b>	(Source-	T.	looklu i	cumulative r	ainfall: 135.0	mm	
mosdac.gov.in)	(Source		centry	cuntatutte n	ungun 100.0		
NDVI for Mizoram		North East Region	30 March 2016	NDVI of so	il moisture for	Mizorom is	
NDVI IOI MIZOIAIII		653			et condition.	wiizoram is	
		-	Persistent cloud	moderate w	et condition.		
		and the second	0.2-0.3 Moderate 0.5-0.4 Moderate				
		<b>*</b> B	2.5 - 0.4 J Very Cool				
		Agriculture vigour is good at patches in modarate over test of the regions of North					
		d N		( ) · · · · · · · · · · · · · · · · · ·			
		NY N	4 1	34		1   Page	

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi	Nursery stage	1 2	<b>4</b> By seeds: Seed should be sown in the
Mandarin and		2	nursery immediately after extraction in to a
acid lime		KOLASIE	depth 1.5 to 2 cm extraction at 10x5 cm
	1	Thorestona 2	distance. Seedlings are planted in secondary
	)	W. N	bed or polythene bags at 4-6 leaf stages.
	(	1 1	+ Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
	1		<b>4</b> Application of split dose of fertilizer 600:
	- E		200:100 (g/pt).
	/ MAMIT		Only certified seed should be used.
	5.	ANZAWIL I	+ Stagnation of water in beds should be
		Summarine	avoided.
		1	<b>4</b> Seedling of uniform height should be
		1 6 6	selected for planting.
		1 1 1	+ Hooked or bench rooted plants should be
	1 A A		discarded. <b>4</b> Plant protection measures should be
	0	SERCHH	
Oil plam	Vegetative	V	Cleaning near base of the plant and cut
	stage		unwanted branches.
	a congo		<b>4</b> Application of split dose of fertilizer 600:
	. J.S.		200:100 (g/pt).
	1	LUNGLEI	4 Apply micro-nutrients viz. zinc, copper,
	2	Construction of the second sec	manganese, iron, boron and molybdenum
	1		are required in ample quantities for
	5	N (~~	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		1201	whole orchard.
		LAY	+ Fruits are harvested when they attain full
			size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative	LAWNGTLA	Cleaning near base of the plant and cut
Dunana	stage	- SAIHA	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Application of split dose of fertilizer 600:
			200:100 (g/pt).
·		201	
		NY LY	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	 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 delop, 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 (Ethref 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	 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
		3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		0	within rows in the pits.
			Inorganic fertilizer like Urea, SSP and
		S S	MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	1 3	🖊 Provide irrigation every 7 days interval
us crop	1 102	5	which will give better yield.
		KOLASIE	4 In large gardens apply carbaryl 0.2 per cent
	1		or malathion 0.15 per cent suspension
)	60 D	containing sugar or jeggery at 10 g/l at
	5		fortnightly intervals at flowering and fruit
	1		initiation against fruit fly and pumpkin
		S. SA	beetle.
	1		+ Provide split doses of urea (70g/pt) at the
	/ MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	+ Plough the field with the help of spade.
		light irrigation	Sow 2 seed 45 X 45 cm spacing.
	1	in nursery bed.	Before sowing seed provide one or two
	1	Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1. 1. 1.	transplanted	
	a • 4/4	okra field.	
Cowpea	Sowing stage	(~) ochunn	Plough the field with the help of spade.
			Sow 2 seed 15 X 20 cm spacing.
	3		Before sowing seed provide one or two irrigation.
Brinjal	Transplanting		Equal quantity of sand and well
Dillijai	stage	11111125127	decomposed FYM are mixed with soil and
	stage	LUNGLEI	raised beds of 75-100 cm width and
	1		convenient length are prepared and these
		1 K 1	beds are treated with a solution of 100g of
		A A	blue copper dissolved in 40 litres of water
			or formaldehyde.
		2 1 5 5 5	4 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.
		/ SAIHA	
			of common salt in 10 lts of water.
			Seed treated with Bavistin 50 WP @ 0.1%
		CN 1	Y
			4 P a g e



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ICAR								
		0	(2 g/lt) solution.					
		Raised bed	> The size of each bed should be 10 m in					
	1.000	method	length in length and 1.25 m in width with					
	1	1	20-30 cm wide channel for irrigation,					
		1 8	drainage and easy movement, it takes care					
	1	KOLASIE	of the seedlings without trampling them.					
		NULROID	> Treated seed should be evenly broadcast					
	1	LA X	in each bed after applying manure.					
Maize	Sowing stage	3 al	↓ Two to three plough are necessary to get					
	Source stuge		the soil well pulverized and weed free.					
	1	7 5 1	Seed is being placed in furrows.					
		1	♣ Seed should be treated with Thiram @4					
	AMAT		g/kg seed.					
	2 standard	A Contraction of the	Use optimum seed rate (20-25 kg/ha) for					
	100	AIZAWI_	desire plant population.					
		1 1 N	Apply well decomposed FYM @ 5-10 t/ha					
		5	along with $80:60:40$ kg N, P_2O_5 and					
	198	1 1	K_2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after					
		A 1 2 4						
	1.5							
	0	SERCHH						
Ginger and	Land	Remove all unwanted leaves, branches and						
turmeric	preparation		weed near to the plant.					
••••••••	Propulsion	100 mg	4 Earthing up the soil for better aeration.					
	13		Apply split dose of nitrogen fertilizer.					
		Thrips Spray Roger or Monocrotophos (2.5 ml/lt)						
	2	LUNGLEI	for controlling thrips.					
		Scales	 Spray Quinalphos or Monocrotophos (2.5 					
	N	in 2~~	ml/lt) for controlling scales.					
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.					
		Reproductive	S					
		Respiratory	C					
		Syndrome	3					
		(PRRS).						
	Adult stage	Swine fever.	2. Vaccination of pigs with SF					
		C SAIHA						
			interval/6 month interval					
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and					
		CIN Y						
5 Page								



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	✤ Primary vaccination 6 month or
	1 1	1	above
	1 102	5	 Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	MAMIT	LUNGLEI	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Bulletin No: - 602/2016/ Bulletin/English

Period: 18 May - 22 May, 2016 **Date of issue:** 17th May, 2016

	10 10	1					
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016		
Rainfall (mm)	75	45	35	12	10		
Max Temp (°C)	27	27	27	27	30		
Min Temp (°C)	19	19	20	20	20		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Partially clear		
Max RH (%)	99	99	100	100	98		
Min RH (%)	98	97	95	91	47		
Wind Speed (KmpH)	3	4	3	2	3		
*Wind Direction	S-E	E	W	E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Vesterly- <mark>S-W</mark> , We					
		30, 2016 (Percent					
Aizawl- 245.10 mm		i- 103.20mm	Saiha- 33.0 m		293.90 mm		
(185.67mm		(119.49mm)	(109.81r		(213.61mm)		
Lawngtlai-45.40 mm			Mamit-346.74 n		ip-76.5mm		
(101.58mm)	·	(117.69mm)	(236.28r		(110.96mm)		
Weather summary		Weather forecast valid from 18 th May, 2016 To 22 nd					
three day	s	April, 2016.					
There are chances of light to moderate and heavy rais during the next 5 days. The maximum and minin temperatures for the next 5 days may range for 27-3 and 19-20°C. Maximum relative humidity is expected the range of 98-100% and minimum may from 47-9 Wind direction would be southeasterly to westerly with wind speed of 2-4 km per hour. Mainly cloudy sky prevail during the next five days. Weekly cumulative rainfall: 177.0 mm					nd minimum for 27-30°C expected in com 47-98%. cerly with the udy sky will mm		
NDVI for Mizoram			moderate wet condition.				
		YYY	fer se		1 Page		



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	___
Khasi	Nursery stage	1	4 By seeds: Seed should be sown in the
Mandarin and	Marsery stage	1 8	nursery immediately after extraction in to a
acid lime		KOLASIE	depth 1.5 to 2 cm extraction at 10x5 cm
		NULAGIN >	distance. Seedlings are planted in secondary
	1	LA N	bed or polythene bags at 4-6 leaf stages.
	6	3 1 1	+ Potting mixture of soil, sand and FYM or
	1		compost should be in proper ratio.
		15	Application of split dose of fertilizer 600:
	J.	1	200:100 (g/pt).
	MAMIT	1	+ Only certified seed should be used.
	a stations	the second of the	+ Stagnation of water in beds should be
	1	ANZAWIL	avoided.
		1	4 Seedling of uniform height should be
	No. 1	S = 2	selected for planting.
	S	() >)	Hooked or bench rooted plants should be
	20	~ 1	discarded.
	3.2		Plant protection measures should be
	Sec. Sec.	SERCITH	P followed.
Oil plam	Vegetat <mark>ive</mark>	With	+ Cleaning near base of the plant and cut
	stage		unwanted branches.
	10		+ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		LUNGLEI	Apply micro-nutrients viz. zinc, copper,
	3		manganese, iron, boron and molybdenum
		~	are required in ample quantities for
	1	n 8~~	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		1201	whole orchard.
		1 61 4	+ Fruits are harvested when they attain full
			size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative	LAWNGTLAN	Cleaning near base of the plant and cut
Dallalla	stage	ANNOTLAY SAIHA	
	SLAGE	(C SMINA	Application of split dose of fertilizer 600:
			200:100 (g/pt).
		2010	200.100 (B.P.).
		VIN A	2 P a g e



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	$\sum_{i=1}^{n}$	 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 delop, 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 per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and
		3 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



		2	within rows in the pits.
			Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	1	4 Provide irrigation every 7 days interval
us crop	Trancing Stuge	1 8	which will give better yield.
us crop	14	V succession of	 In large gardens apply carbaryl 0.2 per cent
		KOLASIB	
	1	In S	or malathion 0.15 per cent suspension
	1	~~ ~ 7	containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit
	1	5 6	initiation against fruit fly and pumpkin
		5 51	beetle.
			♣ Provide split doses of urea (70g/pt) at the
	/ MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	+ Plough the field with the help of spade.
		light irrigation	4 Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	4 Before sowing seed provide one or two
	1	Provide	irrigation.
		irrigation in	🖊 Provide fertilizer @ 120: 60: 60 Kg/ha
	1	transplanted	
	1.1	okra field.	
Cowpea	Sowing stage	SERCHH	P4 Plough the field with the help of spade.
-	3 3	V La	4 Sow 2 seed 15 X 20 cm spacing.
		E.	4 Before sowing seed provide one or two
			irrigation.
Brinjal	Transplanting		Equal quantity of sand and well
j~-	stage	LUNGLEI	decomposed FYM are mixed with soil and
		CONGUE	raised beds of 75-100 cm width and
			convenient length are prepared and these
	1		beds are treated with a solution of 100g of
		1	blue copper dissolved in 40 litres of water
			or formaldehyde.
		1 1 1	The seeds can be sown in lines drawn at a
		N GG Y	
		A A A	spacing of 5 cm across the beds and cover
D !	NT	D. MITTER TO THE	with top soil.
Rice	Nursery stage	Pre Kharif Rice	Use only Well filled and healthy seeds.
		((SAINA	
			of common salt in 10 lts of water.
			Seed treated with Bavistin 50 WP @ 0.1%
		S 1 3	
			4 P a g e



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Maize Sowing stage Image:				
Maize Sowing stage 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. 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. Remove all unwanted leaves, branches and Remove all unwanted leaves, branches			0	(2 g/lt) solution.
Maize Sowing stage MAMIT Image: Sowing stage Maize Sowing stage Mamit Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed is being placed in furrows. Seed is being placed in furrows. Seed is being placed in furrows. 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 tha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Ginger and Land		1	Raised bed	
Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Sowing stage Image and easy movement, it takes care of the seedlings without trampling them. Maize Seed should be transformed and weed free. 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, P_2O_5 and K_2O/ha incorporate with soil before sowing. Half nitrogen dose will			and the second se	
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Maize Sowing stage 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 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, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Ginger and Land Remove all unwanted leaves, branches and			Vision and	
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Ginger and Land Land Land	Maize	Sowing stage	S A /	
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Ginger and Land desire plant population. desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.		1	Y	
Ginger and Land Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Ginger and Land		1	ANZAWIL 1	
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Ginger and Land K ₂ O/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.			1 5	
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time of sowing and remaining 25% after one month and 25% at flowering stage.Ginger andLandLand4Remove all unwanted leaves, branches and			1 1 1	· · · · · · · · · · · · · · · · · · ·
Ginger andLandSERCHI Pone month and 25% at flowering stage.				
Ginger andLandImage: A second s		0	erneuu	
	Cinger and	I and	SERUMM	
turmeric preparation weed heat to the blant.	-		No has	
Example 7 Example 7 Example 7 Example 7 Example 7 Constant of the plant 	turmeric	preparation	100 M	·
Apply split dose of nitrogen fertilizer.				
Thrips Spray Roger or Monocrotophos (2.5 ml/lt)			Thrine	
Thrips + Spray Roger or Monocrotophos (2.5 ml/lt) for controlling thrips.			LUNGLETPS	
Scales + Spray Quinalphos or Monocrotophos (2.5			Scales	
ml/lt) for controlling scales.			Scales ~~	
PigAll stagesPorcine1. Culling of positive pigs or piglets.	Dia	All stages	Porcine	
Reproductive	6	An stages		1. Cuming of positive pigs of pigrets.
Respiratory				1
Syndrome				- S
(PRRS).				
Adult stage Swine fever. 2. Vaccination of pigs with SF		Adult store		2 Vaccination of pige with SE
vaccines at 2 months and yearly		Auuit stage		10
vaccines at 2 months and yearly				vaccines at 2 months and yearly
Cattle All age group Foot and Mouth • FMD vaccine at 16 week and	Cattle		Foot and Mouth	
- An age group Foot and mouth - FMD vaccine at 10 week and	Valle	An age group	root and mouth	• FWD vaccine at 10 week and
5 Page			VIV P	5 P a g e



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	✤ Primary vaccination 6 month or
	1 1	1	above
	1 2	5	 Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	(Disease.	and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	MAMIT	LUNGLEI LAVINGTLAI SAIHA	

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



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LAWNGTLA SAIHA

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





District: Aizawl

Bulletin No: - 603/2016/ Bulletin/English

Period: 21 May - 25 May, 2016 Date of issue: 20th May, 2016

	1 2	1	3			
Parameters	21.05.2016	22.05.2016	23.05.2016	24.05.2016	25.05.2016	
Rainfall (mm)	95	85	30	12	10	
Max Temp (°C)	30	30	30	29	29	
Min Temp (°C)	20	20	20	20	20	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Partially clear	
Max RH (%)	99	99	99	97	98	
Min RH (%)	96	95	81	68	47	
Wind Speed (KmpH)	4	4	2	2	4	
*Wind Direction	S-E	E	S-W	S-E	S-E	
		Easterly- N-E, Ea				
		Westerly- <mark>S-W</mark> , W				
		-30, 2016 (Percen				
Aizawl- 245.10 mm	· · · · · · · · · · · · · · · · · · ·	i- 103.20mm	Saiha- 33.0 m		293.90 mm	
(185.67mm	*	(119.49mm)	(109.81r		(213.61mm)	
Lawngtlai-45.40 mm		-73.06 mm	Mamit-346.74 r		ip-76.5mm	
(101.58mm)		(117.69mm)	(236.281	*	(110.96mm)	
Weather summary		Weather forecast valid from 21 th May, 2016 To 25 th				
three day			April, 2			
The temperature	<u> </u>	There are chang		0 0	U U	
maximum and mini		the next 5	5	maximum and		
25.2-26.8°C and 1		temperatures for		<i>v v v</i>		
respectively. Mainly	5 5	and 20°C. Max		U 1	-	
was observed. Wind	direction is	range of 97-99	% and minimu	m may from 4	7-96%. Wind	
southeasterly to	easterly.	direction would be southeasterly to easterly southwesterly				
Maximum RH observ	ved 97-99%	with the wind s	peed of 2-4 km	per hour. Main	ly cloudy sky	
& minimum of 42-56	5%. Rainfall	will prevail during the next five days.				
recorded for the past	three days					
is 042.30mm .	(Source-	Weekly cumulative rainfall: 232.0 mm				
mosdac.gov.in)	•		5			
NDVI for Mizoram		North East Region 3055arch 2016	NDVI of so	oil moisture for	r Mizoram is	
		-STO- Peopler		vet condition.		
		badgroe				
		us-as }s				
		™ 5 – 40.6 ° M	ny Good			
		Agrinulture vigeour is good in patches in Assam whereas, ND modurate over rest of the regions of North-East	91 Mar.			
		001	1			
		NY Y	1000		1 P a g e	

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	4
Khasi	Nursery stage	1 5	4 By seeds: Seed should be sown in the
Mandarin and	10	(nursery immediately after extraction in to a
acid lime		KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	4	Le S	distance. Seedlings are planted in secondary
	1	WY a)	bed or polythene bags at 4-6 leaf stages.
	2		Potting mixture of soil, sand and FYM or compost should be in proper ratio
	1	2 5 1	compost should be in proper ratio. Application of split dose of fertilizer 600:
			200:100 (g/pt).
	AMAMIT		 Only certified seed should be used.
	Z manana	a second a	4 Stagnation of water in beds should be
	1	ANZAWIL	avoided.
		5	4 Seedling of uniform height should be
	1	1 2 2	selected for planting.
			+ Hooked or bench rooted plants should be
	R. C	~ 1	discarded.
	12		+ Plant protection measures should be
		SERCHH	
Oil plam	Vegetative	M. Com	+ Cleaning near base of the plant and cut
	stage	Sec. 1	unwanted branches.
			Application of split dose of fertilizer 600: 200:100 (g/pt).
		10000000000	Apply micro-nutrients viz. zinc, copper,
		LUNGLEI	manganese, iron, boron and molybdenum
	1		are required in ample quantities for
	1	-~3 N	supplying nutrients and also reduce serious
		1	disorders which may lead to decline of the
			whole orchard.
		$\langle \langle \rangle \rangle$	+ Fruits are harvested when they attain full
		1 -21	size, develop attractive colour with optimum
			sugar and acid blend.
Banana	Vegetative	LAWNGTLAK	Cleaning near base of the plant and cut
	stage	- SAIHA	
			Application of split dose of fertilizer 600: 200:100 (g/pt).
		201	200.100 (g/pt).
		N 17 1	2 P a g e

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	$\sum_{i=1}^{n}$	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	AIZAVIL	 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 delop, 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 per plant. Remove all unwanted leaves, branches and weed near to the plant.
Colocasia	Sowing stage	Saiha	 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
		THE Y	3 P a g e



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		A	 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
	Į	The	 fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the
Okra	Sowing stage	Weeding and light irrigation in nursery bed.	 time of full blooming. Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two
	35	Provide irrigation in transplanted okra field.	irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHH	 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		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
		12N	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%
		512 A	4 P a g e



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		0	(2 g/lt) solution.
		Raised bed	> The size of each bed should be 10 m in
		method	length in length and 1.25 m in width with
	1 1	1 3	20-30 cm wide channel for irrigation,
	3 X.	2	drainage and easy movement, it takes care
		KOLASIE	of the seedlings without trampling them.
	1	In order on a	> Treated seed should be evenly broadcasted
)	LA N	in each bed after applying manure.
Maize	Sowing stage	1 1 1	4 Two to three plough are necessary to get
			the soil well pulverized and weed free.
	1	1 2 1	4 Seed is being placed in furrows.
		11	4 Seed should be treated with Thiram @4
	P MAMIT		g/kg seed.
	2 - 200 million		4 Use optimum seed rate (20-25 kg/ha) for
	1	ANZAWIL	desire plant population.
		1	Apply well decomposed FYM @ 5-10 t/ha
	1.1	S	along with $80:60:40$ kg N, P_2O_5 and
	N	1 5/5	K ₂ O/ha incorporate with soil before
) (al sin	sowing. Half nitrogen dose will use at the
)))		time of sowing and remaining 25% after
		SERCHH	
Ginger and	Land	V	k Remove all unwanted leaves, branches and
turmeric	preparation		weed near to the plant.
			up the soil for better aeration.
			Apply split dose of nitrogen fertilizer.
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)
		Sector States in	for controlling thrips.
	1	Scales	Spray Quinalphos or Monocrotophos (2.5
	<u></u>	A (~~	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	C
		Syndrome	25
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		C SAIHA	vaccines at 2 months and yearly
			interval/6 month interval
Cattle	All age group	Foot and Mouth	FMD vaccine at 16 week and
		6151	
			5 P a g e



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	✤ Primary vaccination 6 month or
	1 1	1	above
	1 102	5	 Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R ₂ B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	MAMIT	LUNGLEI	

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District: Champhai

Bulletin No: - 603/2016/ Bulletin/English

Period: 21 May - 25 May, 2016 Date of issue: 20th May, 2016

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Parameters	21.05.2016	22.05.2016	23.05.2016	24.05.2016	25.05.2016
Rainfall (mm)	75	65	60	10	8
Max Temp (°C)	28	28	28	28	30
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	99	99	99	99	97
Min RH (%)	94	94	87	81	52
Wind Speed (KmpH)	3	4	2	2	3
*Wind Direction	S-E	S-E	S-W	E	S-E
		Easterly- <mark>N-E</mark> , Ea		· · · · · · · · · · · · · · · · · · ·	
		Westerly- <mark>S-W</mark> , W			
		-30, 2016 (Percent			
Aizawl- 245.10 mm	· · · · · · · · · · · · · · · · · · ·	i- 103.20mm	Saiha- 33.0 m		293.90 mm
(185.67mm		(119.49mm)	(109.81)		(213.61mm)
Lawngtlai-45.40 mm (101.58mm)		-73.06 mm (117.69mm)	Mamit-346.74 1 (236.28)		ip-76.5mm (110.96mm)
	·	<u> </u>			<u>, </u>
Weather summary of	· · · · · · · · · · · · · · · · · · ·	weather fore	ecast valid from		10 10 25 11
three day		/T\1 1	April, 2		1 1
The temperature		There are char			
maximum and mini		rainfall during		0	
24.1-26.5°C and 1		minimum temp			
respectively. Mainly	5 5	28-30°C and			.
was observed. Wind		expected in the	U U		~
southeasterly to		52-94%. Wind			.
Maximum RH observ		southwesterly a	.	-	
& minimum of 42-61		per hour. Main	ly cloudy sky	will prevail dur	ring the next
recorded for the past	three days	five days.			
is 065.00mm .	(Source-				
mosdac.gov.in)		Weekl	y cumulative r		
NDVI for Mizoram		North East Region 3055arch 2016	NDVI of so	oil moisture for	Mizoram is
		Penditert	🚊 🛛 moderate w	vet condition.	
		Lindgroot	d offerste		
			od ry Good		
		Agrinulturit vignur is good ir galathes in Assam whereas, NDN modarate over too: of the regions of North-East	1 W		
			(
		VVV.	13		1 Page
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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
Khasi Mandarin and acid lime	Nursery stage	KOLASIB	 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.
	12		+ Plant protection measures should be
Oil plam	Vegetative stage	SERCHH	 followed. 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.
		147	Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Banana	Vegetative stage	LAWNGTLA	 Cleaning near base of the plant and cut unwanted branches. Application of split dose of fertilizer 600: 200:100 (g/pt).
		PN A	2 P a g e



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	$\sum_{i=1}^{n}$	 Apply micro-nutrients viz. zinc, copper manganese, iron, boron and molybdenun are required in ample quantities for supplying nutrients and also reduce seriour disorders which may lead to decline of the whole orchard. Pruning on a regular basis remover unwanted or a sucker, keep production mat in optimum condition, saves fertilizer reduces pest and disease. Fruits are harvested when they attain ful size, develop attractive yellow colour.
Passion Fruit	Nursery stage	 Raising planting materials through seeds ripe fruits from vines yielding quality fruit should be collected and extract the seed should be sown after 15-20 days in raised nursery beds. When two to three leaves delop, 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 (Ethre 10 PPM+2% urea+0.04% Sodiun Carbonate) should be applied in the heart o the plant. In evening and only when plant have at least 32 leaves. The flowering emergence will come ou 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	 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
		3 P a g e



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		\mathcal{A}	 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	SERCHH	 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		 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%
		PN 1	4 P a g e



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			(2 g/lt) solution.
		Raised bed	\succ The size of each bed should be 10 m in
		method	length in length and 1.25 m in width with
	1 1	1 2	20-30 cm wide channel for irrigation,
	3 1.	2 8	drainage and easy movement, it takes care
		KOLASIE	of the seedlings without trampling them.
		I HOLESON >	> Treated seed should be evenly broadcasted
		LA.	in each bed after applying manure.
Maize	Sowing stage	3 4 1	4 Two to three plough are necessary to get
	Sen ing stage		the soil well pulverized and weed free.
	1	2 5 1	 Seed is being placed in furrows.
		100	↓ Seed should be treated with Thiram @4
	> MAMIT		g/kg seed.
	2	Anne (Use optimum seed rate (20-25 kg/ha) for
	20	ANZAWIL I	desire plant population.
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Apply well decomposed FYM @ 5-10 t/ha
	(1. 5	along with 80:60:40 kg N, P ₂ O ₅ and
		1 1	K_2O/ha incorporate with soil before
		1 1 1	sowing. Half nitrogen dose will use at the
	No. V		time of sowing and remaining 25% after
	02	erneuu	
Cingan and	Land	SERCHH	 one month and 25% at flowering stage. Remove all unwanted leaves, branches and
Ginger and turmeric			weed near to the plant.
turmeric	preparation	~	 Earthing up the soil for better aeration.
			 Apply split dose of nitrogen fertilizer.
		Thring	 Appry spin dose of infogen reminer. Spray Roger or Monocrotophos (2.5 ml/lt)
		LUNGLE	for controlling thrips.
	1	Scales	 Spray Quinalphos or Monocrotophos (2.5
		Scales	ml/lt) for controlling scales.
Dia	All stages	Porcine	1. Culling of positive pigs or piglets.
Pig	All stages	25 N 10 10	1. Culling of positive pigs of piglets.
		Reproductive)
		Respiratory	- X -
		Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		I (SAINA	vaccines at 2 months and yearly
			interval/6 month interval
Cattle	All age group	Foot and Mouth	FMD vaccine at 16 week and
		R 1 7	510
		4	5 P a g e



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		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	 Primary vaccination 6 month or
	1		above
	1 10	2 8	 Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
		Disease.	and R_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	MAMIT	LUNGLEI	



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



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