

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

	A STATE OF THE STA	I and the second			
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	19	18	5	4	10
Max Temp (°C)	33	33	32	32	32
Min Temp (°C)	23	24	24	24	24
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Partially clear
Max RH (%)	93	95	97	99	97
Min RH (%)	32	44	52	64	64
Wind Speed (KmpH)	3	3	3	2	4
*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

Champhai- 103.20mm

Saiha- 33.0 mm

Kolasib- 293.90 mm

Date of issue: 17th May, 2016

(185.67mm)

(119.49mm)

(109.81mm) Mamit-346.74 mm (213.61mm) Serchhip-76.5mm

Lawngtlai-45.40 mm (101.58mm)

Lunglei-73.06 mm (117.69mm)

(236.28mm)

(110.96mm)

Weather summary of the past three days

temperature The range for maximum and minimum were 27.1-31.5°C and 19.3-24.6°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 91-97% & minimum of 35-48%. Rainfall recorded for three davs the past 014.80mm. (Source-

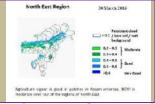
NDVI for Mizoram

mosdac.gov.in)

# Weather forecast valid from 18<sup>th</sup> May, 2016 To 22<sup>nd</sup> April, 2016.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 23-24°C. Maximum relative humidity is expected in the range of 93-99% and minimum may from 32-64%. 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: 56.0 mm



NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	, and the second second	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	•
Khasi	Nursery stage	7	<b>By seeds:</b> Seed should be sown in the
Mandarin and	1) 7.,	2	nursery immediately after extraction in to a
acid lime		KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	Į.		distance. Seedlings are planted in secondary
	)	W )	bed or polythene bags at 4-6 leaf stages.
	(	2 1	♣ Potting mixture of soil, sand and FYM or
	<i>f</i>		compost should be in proper ratio.
	1		♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
	, MAMIT	(	Only certified seed should be used.
	8	A AIZAVIL	Stagnation of water in beds should be
			avoided.
	1	3	Seedling of uniform height should be
	1		selected for planting.
	) 6	7 1 1	Hooked or bench rooted plants should be discarded.
	1/2 5		♣ Plant protection measures should be
		SERCHH	
Oil plam	Vegetative	V	Cleaning near base of the plant and cut
OII PIMIII	stage		unwanted branches.
			♣ Application of split dose of fertilizer 600:
	100		200:100 (g/pt).
		LUNGLEI	♣ Apply micro-nutrients viz. zinc, copper,
	>	ESINGEL!	manganese, iron, boron and molybdenum
	1	CX:	are required in ample quantities for
	1	A ( ~	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		90	whole orchard.
			Fruits are harvested when they attain full
		( ) - 30°	size, develop attractive colour with optimum
	TT . 4 . 4 . 4		sugar and acid blend.
Banana	Vegetative	LAWNGTLAL	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).

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			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
			are required in ample quantities for
	7 /	3	supplying nutrients and also reduce serious
		(T)	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4	(	Pruning on a regular basis removes unwanted or a sucker, keep production mats
	/	" \ a /	in optimum condition, saves fertilizer,
	7		reduces pest and disease.
	1	7 5	Fruits are harvested when they attain full
	J.		size, develop attractive yellow colour.
Passion Fruit	Nursery stage		♣ Raising planting materials through seeds,
	\$ management	MZAVIL	ripe fruits from vines yielding quality fruits
		CHIESTON	should be collected and extract the seeds
	1	į (	should be sown after 15-20 days in raised
	),		nursery beds.
	1	1 1 1	♣ When two to three leaves delop, seedling
	A. O		should be transplanted in polythene bags.
	1	SERCHH	The seedlings are planted in field when they become 3-4 months old.
		SERCHH	♣ Apply well decompose FYM @
	1	We have	15kg/pit/year along with 100.50.100 g NPK
	)		per pit.
Pineapple	Flowering		Apply flowering inducing chemical (Ethrel
	stage	LUNGLEI	10 PPM+2% urea+0.04% Sodium
	>	5541/0 15/5 mill	Carbonate) should be applied in the heart of
		500	the plant. In evening and only when plants
	7	U	have at least 32 leaves.  The flowering emergence will come out
			after 55-60 days after chemical spraying.
		7 0	Apply split doses of fertilizer @ 60: 50:60 g
		) 53	per plant.
			Remove all unwanted leaves, branches and
		LAWNGTLAU	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
		1 1	Sprouted corms or cormels are planted 5-7
		6 1	deep at a spacing of 40-50 cm between and
		1	3   P a g e

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			within rows in the pits.
			♣ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	/	♣ Provide irrigation every 7 days interva
us crop	7 7.	2	which will give better yield.
_		KOLASIB	♣ In large gardens apply carbaryl 0.2 per cer
	Į.	110101010	or malathion 0.15 per cent suspensio
	)	W 7	containing sugar or jeggery at 10 g/l a
	(	1 1	fortnightly intervals at flowering and fru
	(		initiation against fruit fly and pumpki
	1		beetle.
	J		♣ Provide split doses of urea (70g/pt) at th
	/ 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 tw
	1	Provide	irrigation.
	1	irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1.0	transplanted	7
	22	o <mark>kra field.</mark>	2
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
	N. Carlotte	V La	Sow 2 seed 15 X 20 cm spacing.
	1		♣ Before sowing seed provide one or tw
		23%	irrigation.
Brinjal	Transplanting		+ Equal quantity of sand and we
	stage	LUNGLEI	decomposed FYM are mixed with soil an
	3		raised beds of 75-100 cm width an
	L.	5%	convenient length are prepared and thes
	- 1	1	beds are treated with a solution of 100g of
			blue copper dissolved in 40 litres of water
		7 ( )	or formaldehyde.
		1 68 4	The seeds can be sown in lines drawn at
		Y Y	spacing of 5 cm across the beds and cover
Rice	Nursery stage	Pre Kharif Rice	with top soil.  Use only Well filled and healthy seeds.
Rice	nursery stage	Pre Knarij Kiće	<ul><li>→ Put the seed in 2.5% salt solution i.e 250</li></ul>
		4(1)	of common salt in 10 lts of water.
			Seed treated with Bavistin 50 WP @ 0.19
		200	- Seed Heated with Baylothi 50 WI & 0.17

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			(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
	7.7	1	20-30 cm wide channel for irrigation,
	) \	1	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
	1	NULROID	Treated seed should be evenly broadcasted
	)	W. 1	in each bed after applying manure.
Maize	Sowing stage	3 20 /	↓ Two to three plough are necessary to get
			the soil well pulverized and weed free.
	1	5 5	Seed is being placed in furrows.
	J.	3	Seed should be treated with Thiram @4
	A MAMIT		g/kg seed.
	2 Statistine		♣ Use optimum seed rate (20-25 kg/ha) for
	1	A AIZAWL	desire plant population.
	1		Apply well decomposed FYM @ 5-10 t/ha
	1	(	along with $80:60:40$ kg N, $P_2O_5$ and
	1	1 185	K <sub>2</sub> O/ha incorporate with soil before
	) (~		sowing. Half nitrogen dose will use at the
			time of sowing and remaining 25% after
	-	SERCHH	one month and 25% at flowering stage.
Ginger and	Land	MARKET THE STATE OF THE STATE O	Remove all unwanted leaves, branches and
turmeric	preparation		weed near to the plant.
			Earthing up the soil for better aeration.
	1,81		Apply split dose of nitrogen fertilizer.
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Salta Establic	for controlling thrips.
		Scales	♣ Spray Quinalphos or Monocrotophos (2.5
	- 1	A ( >>	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome	
		(PRRS).	- 100 II
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		/ SAIHA	vaccines at 2 months and yearly
			interval/6 month interval
Cattle	All age group	Foot and Mouth	FMD vaccine at 16 week and
			V/

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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 3	above
		7	Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat



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SAIHA

LAWNGTLA

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District: Champhai Period: 18 May - 12 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

	- 1974 - 1974 - L	F.3.			
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	8	9	5	3	9
Max Temp (°C)	32	31	31	31	31
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	87	89	91	92	92
Min RH (%)	32	41	49	55	56
Wind Speed (KmpH)	4	2	2	3	4
*Wind Direction	S	S-E	S	S-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

Champhai- 103.20mm

Saiha- 33.0 mm

Kolasib- 293.90 mm

Date of issue: 17th May, 2016

(185.67mm)

(119.49mm)

(117.69mm)

(109.81mm)

(213.61mm) Serchhip-76.5mm

Lawngtlai-45.40 mm (101.58mm)

Lunglei-73.06 mm

Mamit-346.74 mm

(110.96mm)

Weather summary of the past

three days

temperature The range for maximum and minimum were 28.3-33.4°C and 20.1-24.8°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 88-96% & minimum of 43-59%. Rainfall recorded for three davs the past 031.80mm. (Source-

NDVI for Mizoram

mosdac.gov.in)

Weather forecast valid from 18<sup>th</sup> May, 2016 To 22<sup>nd</sup> April, 2016.

(236.28mm)

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 22-23°C. Maximum relative humidity is expected in the range of 87-92% and minimum may from 32-56%. Wind direction would be southeasterly to southerly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 34.0 mm

North East Region

20 States 2015

4 12 Share set year

4 13 Share set year

5 Share set year

5 Share set year

6 Share set year

7 Share set year

8 Share set year

8 Share set year

9 Share set year

NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	Stage	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	ilusbuiluly duvisories
Khasi	Nursery stage	7/ 77	<b>By seeds:</b> Seed should be sown in the
Mandarin and	marsory stage		nursery immediately after extraction in to a
acid lime		KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	1	NOLKOID X	distance. Seedlings are planted in secondary
	)	W 1	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		♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
	, MAMIT	(	♣ Only certified seed should be used.
	5	AIZAVIL	♣ Stagnation of water in beds should be
		North-India	avoided.
	1	{	Seedling of uniform height should be
	1		selected for planting.
	1	1 1 1	Hooked or bench rooted plants should be discarded.
	1 1		Plant protection measures should be
		_ SERCHH	1 W 1
Oil plam	Vegetative	V	Cleaning near base of the plant and cut
OII PIMIII	stage		unwanted branches.
			♣ Application of split dose of fertilizer 600:
	J. 1		200:100 (g/pt).
		LUNGLEI	Apply micro-nutrients viz. zinc, copper,
	3	CONTRACTOR	manganese, iron, boron and molybdenum
	1	ex.	are required in ample quantities for
	1	A ( ~	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		190	whole orchard.
			Fruits are harvested when they attain full
		( )	size, develop attractive colour with optimum
Donono	Vogototivo	A LANGE TO A LOS	sugar and acid blend.
Banana	Vegetative	LAWNGTLAN	Cleaning near base of the plant and cut unwanted branches.
	stage	SAINA	Application of split dose of fertilizer 600:
			200:100 (g/pt).
		000	(B/F/).

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			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
			are required in ample quantities for
	7 /	-1	supplying nutrients and also reduce serious
		7	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4	/ A (	Pruning on a regular basis removes unwanted or a sucker, keep production mats
	1	~ 7	in optimum condition, saves fertilizer,
	7		reduces pest and disease.
	1	2 5	♣ Fruits are harvested when they attain full
	J.		size, develop attractive yellow colour.
Passion Fruit	Nursery stage		♣ Raising planting materials through seeds,
	ζ	ANZAVIL.	ripe fruits from vines yielding quality fruits
	1	Cultivar.	should be collected and extract the seeds
	1	j (	should be sown after 15-20 days in raised
	),		nursery beds.
	1	1 15	When two to three leaves delop, seedling
	Mar (in		should be transplanted in polythene bags.
		SERCHH	The seedlings are planted in field when they become 3-4 months old.
		SERCHH	♣ Apply well decompose FYM @
	1	We have	15kg/pit/year along with 100.50.100 g NPK
			per pit.
Pineapple	Flowering		◀ Apply flowering inducing chemical (Ethrel
	stage	LUNGLEI	10 PPM+2% urea+0.04% Sodium
	3	220000000000000000000000000000000000000	Carbonate) should be applied in the heart of
		500	the plant. In evening and only when plants
	**	V /	have at least 32 leaves.  The flowering emergence will come out
		/ \	after 55-60 days after chemical spraying.
		7 (	Apply split doses of fertilizer @ 60: 50:60 g
		) 50 8	per plant.
		Y	Remove all unwanted leaves, branches and
		LAWNGTLAN	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
		1 3	Sprouted corms or cormels are planted 5-7
		6 1	deep at a spacing of 40-50 cm between and
			3   P a g e

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			within rows in the pits.
			♣ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	/	♣ Provide irrigation every 7 days interval
us crop	7 /2	2	which will give better yield.
_		KOLASIB	♣ In large gardens apply carbaryl 0.2 per cen
	Į.	110101010	or malathion 0.15 per cent suspension
	)	W 7	containing sugar or jeggery at 10 g/l a
	(	1 1	fortnightly intervals at flowering and fruit
	1		initiation against fruit fly and pumpki
	1		beetle.
	J.		♣ Provide split doses of urea (70g/pt) at th
	MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	1	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	♣ Before sowing seed provide one or two
	λ.	Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1 (10	transplanted	
	12	o <mark>kra field.</mark>	<u> </u>
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
	N. Contraction	W. L.	Sow 2 seed 15 X 20 cm spacing.
	<b>N</b>	50	♣ Before sowing seed provide one or two
			irrigation.
Brinjal	Transplanting		Equal quantity of sand and we
	stage	LUNGLEI	decomposed FYM are mixed with soil and
	3		raised beds of 75-100 cm width an
	1	500	convenient length are prepared and thes
	- 7	A	beds are treated with a solution of 100g o
	1		blue copper dissolved in 40 litres of water
		701	or formaldehyde.
	14	1 63 8	The seeds can be sown in lines drawn at
			spacing of 5 cm across the beds and cove
D:	<b>N</b> T	TO AMERICA TO PROPERTY	with top soil.
Rice	Nursery stage	Pre Kharif Rice	Use only Well filled and healthy seeds.
		III ( SMITIA	Put the seed in 2.5% salt solution i.e 250
			of common salt in 10 lts of water.  Seed treated with Bavistin 50 WP @ 0.19
			Seed freated with Davistin 30 WP @ 0.19

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			(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
	1/2	( )	20-30 cm wide channel for irrigation,
	) Y.	2	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
		NOLINOIS X	Treated seed should be evenly broadcasted
	)	W	in each bed after applying manure.
Maize	Sowing stage	3 21 1	<b>♣</b> Two to three plough are necessary to get
	1		the soil well pulverized and weed free.
	1		♣ Seed is being placed in furrows.
	J		♣ Seed should be treated with Thiram @4
	MAMIT		g/kg seed.
	C systems		♣ Use optimum seed rate (20-25 kg/ha) for
		AIZAVIL	desire plant population.
	\ \	5	♣ Apply well decomposed FYM @ 5-10 t/ha
	\		along with $80:60:40$ kg N, $P_2O_5$ and
		( ) 20	K <sub>2</sub> O/ha incorporate with soil before
	1 0		sowing. Half nitrogen dose will use at the
	) )		time of sowing and remaining 25% after
	-	SERCHH	one month and 25% at flowering stage.
Ginger and	Land	V	Remove all unwanted leaves, branches and
turmeric	preparation		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/lt)
	1		for controlling thrips.
		Scales	Spray Quinalphos or Monocrotophos (2.5
	A 11	A	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		SAIHA	vaccines at 2 months and yearly
			interval/6 month interval
Cattle	All age group	F <mark>oot and</mark> Mouth	FMD vaccine at 16 week and
		12	

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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)



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	❖ Primary vaccination 6 month or
	1 1	-1 3	above
		7	Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat



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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: Kolasib Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

	A 100 A		3		
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	11	13	5	4	11
Max Temp (°C)	35	35	35	35	34
Min Temp (°C)	23	23	24	24	23
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	92	95	96	98	97
Min RH (%)	33	47	55	66	70
Wind Speed (KmpH)	3	3	3	2	4
*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

Champhai- 103.20mm

Saiha- 33.0 mm

Kolasib- 293.90 mm

Date of issue: 17th May, 2016

(185.67mm)

(119.49mm)

(109.81mm)

(213.61mm)

Lawngtlai-45.40 mm

Lunglei-73.06 mm

Mamit-346.74 mm

Serchhip-76.5mm

(101.58mm)

(117.69mm)

(236.28mm)

(110.96mm)

# Weather summary of the past three days

The temperature range for maximum and minimum were 27.8-30.8°C and 18.4-20.6°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 86-95% & minimum of 63-83%. Rainfall recorded for three davs the past 043.80mm. (Source-

mosdac.gov.in)

NDVI for Mizoram

# Weather forecast valid from 18<sup>th</sup> May, 2016 To 22<sup>nd</sup> 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 34-35°C and 23-24°C. Maximum relative humidity is expected in the range of 92-97% and minimum may from 33-70%. 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: 42.0 mm

North East Region

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1 Products closed following and foll

NDVI of soil moisture for Mizoram is moderate wet condition.

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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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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi	Nursery stage	1	<b>By seeds:</b> Seed should be sown in the
Mandarin and			nursery immediately after extraction in to a
acid lime	V ***	KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	4		distance. Seedlings are planted in secondary
	/	W ( a )	bed or polythene bags at 4-6 leaf stages.
	7	(	Potting mixture of soil, sand and FYM or compost should be in proper ratio.
	3	7 5	Application of split dose of fertilizer 600:
	J.	3	200:100 (g/pt).
	2 MAMIT		♣ Only certified seed should be used.
	ζ	1	♣ Stagnation of water in beds should be
	18	AIZAVIL	avoided.
	1	1	♣ Seedling of uniform height should be
	λ,:		selected for planting.
	1	1 30	Hooked or bench rooted plants should be
	Mar (C)		discarded.
	11	erneuu	♣ Plant protection measures should be followed.
Oil plam	Vegetative	SERCHH	Cleaning near base of the plant and cut
On plan	stage	We have	unwanted branches.
	Stugo		Application of split dose of fertilizer 600:
	J.		200:100 (g/pt).
		LUNGLEI	♣Apply micro-nutrients viz. zinc, copper,
	7	530395-0	manganese, iron, boron and molybdenum
	1	000	are required in ample quantities for
	7	A (~	supplying nutrients and also reduce serious
	1		disorders which may lead to decline of the
		701	whole orchard. Fruits are harvested when they attain full
		123	size, develop attractive colour with optimum
		V V	sugar and acid blend.
Banana	Vegetative	LAWNGTLAL	Cleaning near base of the plant and cut
	stage	F SAIHA	
			♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
		0 0	

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



			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
			are required in ample quantities for
	1	-1	supplying nutrients and also reduce serious
		7	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4	/ A (	Pruning on a regular basis removes unwanted or a sucker, keep production mats
	1	~ 7	in optimum condition, saves fertilizer,
	7		reduces pest and disease.
	1	2 5	♣ Fruits are harvested when they attain full
	J.		size, develop attractive yellow colour.
Passion Fruit	Nursery stage		♣ Raising planting materials through seeds,
	\$	ANZAVIL.	ripe fruits from vines yielding quality fruits
	1	CHIESANE	should be collected and extract the seeds
	1	j (	should be sown after 15-20 days in raised
	),		nursery beds.
		1 15	When two to three leaves delop, seedling
	Mar (in		should be transplanted in polythene bags.
		SERCHH	The seedlings are planted in field when they become 3-4 months old.
		SERCHH	♣ Apply well decompose FYM @
	1	We have	15kg/pit/year along with 100.50.100 g NPK
			per pit.
Pineapple	Flowering		◀ Apply flowering inducing chemical (Ethrel
	stage	LUNGLEI	10 PPM+2% urea+0.04% Sodium
	3	220000000000000000000000000000000000000	Carbonate) should be applied in the heart of
		500	the plant. In evening and only when plants
	**	V /	have at least 32 leaves.  The flowering emergence will come out
		/ \	after 55-60 days after chemical spraying.
		7 (	Apply split doses of fertilizer @ 60: 50:60 g
		) 50	per plant.
			Remove all unwanted leaves, branches and
		LAWNGTLAN	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
		1 3	Sprouted corms or cormels are planted 5-7
		6 1	deep at a spacing of 40-50 cm between and
			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)



			within rows in the pits.
			♣ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	/	♣ Provide irrigation every 7 days interval
us crop	7 /2	2	which will give better yield.
_		KOLASIB	♣ In large gardens apply carbaryl 0.2 per cen
	Į.	110101010	or malathion 0.15 per cent suspension
	)	W 7	containing sugar or jeggery at 10 g/l a
	(	1 1	fortnightly intervals at flowering and fruit
	1		initiation against fruit fly and pumpki
	1		beetle.
	J.		♣ Provide split doses of urea (70g/pt) at th
	MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	1	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	♣ Before sowing seed provide one or two
	λ.	Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1 (10	transplanted	
	12	o <mark>kra field.</mark>	<b>3</b>
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
	N. Contraction	W. L.	Sow 2 seed 15 X 20 cm spacing.
	<b>1</b>	5	♣ Before sowing seed provide one or two
			irrigation.
Brinjal	Transplanting		Equal quantity of sand and we
	stage	LUNGLEI	decomposed FYM are mixed with soil and
	3		raised beds of 75-100 cm width an
	1	500	convenient length are prepared and thes
	- 7	A	beds are treated with a solution of 100g o
	1		blue copper dissolved in 40 litres of water
		701	or formaldehyde.
	14	1 63 8	The seeds can be sown in lines drawn at
			spacing of 5 cm across the beds and cove
D:	<b>N</b> T	TO AMERICA TO PROPERTY	with top soil.
Rice	Nursery stage	Pre Kharif Rice	Use only Well filled and healthy seeds.
		III ( SMITIA	Put the seed in 2.5% salt solution i.e 250
			of common salt in 10 lts of water.  Seed treated with Bavistin 50 WP @ 0.19
			Seed freated with Davistin 30 WP @ 0.19

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



			(0 // 1 /
			(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	20-30 cm wide channel for irrigation,
	1 1	1	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
	Į.	The state of the s	Treated seed should be evenly broadcasted
		(A)	in each bed after applying manure.
Maize	Sowing stage	1	<b>↓</b> Two to three plough are necessary to get
	7		the soil well pulverized and weed free.
	1		♣ Seed is being placed in furrows.
	J.	7	Seed should be treated with Thiram @4
	/ MAMIT		g/kg seed.
	Z samme	A Property of	♣ Use optimum seed rate (20-25 kg/ha) for
	36	A AIZAVVL	desire plant population.
	1	1	♣ Apply well decomposed FYM @ 5-10 t/ha
	1	\$	along with $80:60:40$ kg N, $P_2O_5$ and
		120	K <sub>2</sub> O/ha incorporate with soil before
	) (		sowing. Half nitrogen dose will use at the
	1 5		time of sowing and remaining 25% after
		SERCHH	one month and 25% at flowering stage.
Ginger and	Land	1/29	Remove all unwanted leaves, branches and
turmeric	preparation	AVIII LANGE	weed near to the plant.
Carriorio	propuración		<b>Learthing up the soil for better aeration.</b>
	J.		Apply split dose of nitrogen fertilizer.
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)
	/	LUNGLETIPS	for controlling thrips.
		Scales	♣ Spray Quinalphos or Monocrotophos (2.5)
	1	A 500	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
8		Reproductive	Tr. Commission began at bistore.
		Respiratory	2
		Syndrome	
		(PRRS).	5
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
	munic stage	F SAIHA	1 0
		50	interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and
Callle	An age group	Foot and Mouth	FIND vaccine at 10 week and

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



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	❖ Primary vaccination 6 month or
	1 1	-1 3	above
		7	Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat



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(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: Lawngtlai Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

	200 Miles 200 Miles	Pro-			
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	7	5	5	5	5
Max Temp (°C)	35	35	34	34	34
Min Temp (°C)	23	23	23	24	24
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Partially clear	Mainly cloudy
Max RH (%)	83	91	93	95	87
Min RH (%)	30	33	36	40	43
Wind Speed (KmpH)	4	3	4	6	5
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 245.10 mm Champhai- 103.20mm (185.67mm) (119.49mm)

Saiha- 33.0 mm (109.81mm)

Kolasib- 293.90 mm (213.61mm)

(185.67mm) Lawngtlai-45.40 mm

Lunglei-73.06 mm

Mamit-346.74 mm

Serchhip-76.5mm (110.96mm)

(101.58mm)
Weather summary of the past three days

(117.69mm) (236.28mm) (110.96mm) Weather forecast valid from 18<sup>th</sup> May, 2016 To 22<sup>nd</sup> 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 34-35°C and 23-24°C. Maximum relative humidity is expected in the range of 83-95% and minimum may from 30-43%. Wind direction would be easterly with the wind speed of 3-6 km per hour. Mainly cloudy sky will prevail during the next five days.

### Weekly cumulative rainfall: 27.0 mm

NDVI for Mizoram

North East Region

\*\*OM\*

NDVI of soil moisture for Mizoram is moderate wet condition.

Date of issue: 17th May, 2016

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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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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi	Nursery stage	1	<b>By seeds:</b> Seed should be sown in the
Mandarin and		7	nursery immediately after extraction in to a
acid lime	V ***	KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	4	1 <sub>A</sub>	distance. Seedlings are planted in secondary
	/	W ( a )	bed or polythene bags at 4-6 leaf stages.
	7	(	Potting mixture of soil, sand and FYM or compost should be in proper ratio.
	3	7 5	Application of split dose of fertilizer 600:
	J	3 27	200:100 (g/pt).
	MAMIT		♣ Only certified seed should be used.
	ζ	1	♣ Stagnation of water in beds should be
	18	AIZAVIL	avoided.
	1	1	Seedling of uniform height should be
	λ,:		selected for planting.
	1	1 30	Hooked or bench rooted plants should be
	Mar (F		discarded.
	1	SERCHH	♣ Plant protection measures should be followed.
Oil plam	Vegetative	SCRUIII	Cleaning near base of the plant and cut
On plan	stage	We have	unwanted branches.
	o ango		Application of split dose of fertilizer 600:
	1,3		200:100 (g/pt).
		LUNGLEI	♣Apply micro-nutrients viz. zinc, copper,
	7	531/33/5/11	manganese, iron, boron and molybdenum
	1.)	500	are required in ample quantities for
	7	U ( )	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		7 0	whole orchard. Fruits are harvested when they attain full
		1 7 8	size, develop attractive colour with optimum
		A A	sugar and acid blend.
Banana	Vegetative	LAWNGTLAL	Cleaning near base of the plant and cut
	stage	F SAIHA	
		1	♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
		0 0	

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



			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
		1	are required in ample quantities for
	1/ 1/	3	supplying nutrients and also reduce serious
		7	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4	1,	Pruning on a regular basis removes
	1	W ( a )	unwanted or a sucker, keep production mats in optimum condition, saves fertilizer,
	γ		reduces pest and disease.
	1	7 5	Fruits are harvested when they attain full
			size, develop attractive yellow colour.
Passion Fruit	Nursery stage		Raising planting materials through seeds,
	an in the second	A Property A	ripe fruits from vines yielding quality fruits
	1	AIZAV/L	should be collected and extract the seeds
		J )	should be sown after 15-20 days in raised
	1		nursery beds.
		( ) > 0	♣ When two to three leaves delop, seedling
	1 0		should be transplanted in polythene bags.
	12		The seedlings are planted in field when they
		SERCHH	· No.
	No.	Mary Langue	♣ Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK
		54	per pit.
Pineapple	Flowering		Apply flowering inducing chemical (Ethrel
	stage	ranna ar	10 PPM+2% urea+0.04% Sodium
		LUNGLEI	Carbonate) should be applied in the heart of
	1	PAC .	the plant. In evening and only when plants
	1	A 5 22	have at least 32 leaves.
			The flowering emergence will come out
		1 9 6	after 55-60 days after chemical spraying.
			Apply split doses of fertilizer @ 60: 50:60 g
			per plant.  Remove all unwanted leaves, branches and
		LI AMMETI ALS	weed near to the plant.
Colocasia	Sowing stage	SAIHA	<ul><li>♣ Planting is done well prepared land or pits</li></ul>
	2000	1(1)	filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted 5-7
		200	deep at a spacing of 40-50 cm between and
		1 1 1	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	within rows in the pits.  Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceo us crop	Fruiting stage	KOLASIB	<ul> <li>Provide irrigation every 7 days interval which will give better yield.</li> <li>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.</li> <li>Provide split doses of urea (70g/pt) at the</li> </ul>
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	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 irrigation.  Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHH	<ul> <li>Plough the field with the help of spade.</li> <li>Sow 2 seed 15 X 20 cm spacing.</li> <li>Before sowing seed provide one or two irrigation.</li> </ul>
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.

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			(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
	1/2	( )	20-30 cm wide channel for irrigation,
	) X.	2	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
		NOLINOIS X	Treated seed should be evenly broadcasted
	)	1	in each bed after applying manure.
Maize	Sowing stage	3 21 1	<b>♣</b> Two to three plough are necessary to get
	1		the soil well pulverized and weed free.
	1		♣ Seed is being placed in furrows.
	J.	7	Seed should be treated with Thiram @4
	MAMIT		g/kg seed.
	C systems		♣ Use optimum seed rate (20-25 kg/ha) for
		AIZAVIL	desire plant population.
	\ \	5	♣ Apply well decomposed FYM @ 5-10 t/ha
	\		along with $80:60:40$ kg N, $P_2O_5$ and
		( ) 20	K <sub>2</sub> O/ha incorporate with soil before
	1 0		sowing. Half nitrogen dose will use at the
	) )		time of sowing and remaining 25% after
	-	SERCHH	one month and 25% at flowering stage.
Ginger and	Land	V	Remove all unwanted leaves, branches and
turmeric	preparation		weed near to the plant.
			Earthing up the soil for better aeration.
	A 1		Apply split dose of nitrogen fertilizer.
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)
	(A)		for controlling thrips.
		Scales	For Spray Quinalphos or Monocrotophos (2.5)
	**	n ( >	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome	(1)
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		A SAIHA	vaccines at 2 months and yearly
			interval/6 month interval
Cattle	All age group	F <mark>oot and</mark> Mouth	FMD vaccine at 16 week and
		Contract of the second	V.

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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 3	above
		7	Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat



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#### ICAR RESEARCH COMPLEX FOR NEH RECION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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#### 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: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

	A 1976 A	I .			
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	13	5	2	10	6
Max Temp (°C)	34	34	34	34	33
Min Temp (°C)	22	23	23	22	22
Cloud Coverage	Mainly clear	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	90	92	96	98	96
Min RH (%)	30	33	38	47	47
Wind Speed (KmpH)	4	2	4	5	4
*Wind Direction	E	E	E	E	E

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

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

**Aizawl- 245.10 mm** 

Champhai- 103.20mm

Saiha- 33.0 mm (109.81mm)

Kolasib- 293.90 mm

Date of issue: 17th May, 2016

(185.67mm) Lawngtlai-45.40 mm (119.49mm) Lunglei-73.06 mm

Mamit-346.74 mm

Serchhip-76.5mm

(101.58mm)

(117.69mm)

(236.28mm)

(110.96mm)

(213.61mm)

Weather summary of the past three days

temperature The range for maximum and minimum were 29.3-32.4°C and 21.2-24.5°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 90-98% & minimum of 48-78%. Rainfall recorded for three davs the past 024.30mm. (Source-NICRA,

**NDVI** for Mizoram

AWS Network)

Weather forecast valid from 18<sup>th</sup> May, 2016 To 22<sup>nd</sup> 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 33-34°C and 22-23°C. Maximum relative humidity is expected in the range of 90-98% and minimum may from 30-47%. Wind direction would be easterly with the wind speed of 2-5 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 36.0 mm

North East Region 2015/acca 2016

Problem And Control of Control o

NDVI of soil moisture for Mizoram is moderate wet condition.

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



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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi	Nursery stage	1	<b>By seeds:</b> Seed should be sown in the
Mandarin and			nursery immediately after extraction in to a
acid lime	V ***	KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	4		distance. Seedlings are planted in secondary
	/	W ( a )	bed or polythene bags at 4-6 leaf stages.
	7	(	Potting mixture of soil, sand and FYM or compost should be in proper ratio.
	3	7 5	Application of split dose of fertilizer 600:
	J.	3	200:100 (g/pt).
	2 MAMIT		♣ Only certified seed should be used.
	ζ	1	♣ Stagnation of water in beds should be
	18	AIZAVIL	avoided.
	1	1	♣ Seedling of uniform height should be
	λ,:		selected for planting.
	1	1 30	Hooked or bench rooted plants should be
	Mar (C)		discarded.
	12	erneuu	♣ Plant protection measures should be followed.
Oil plam	Vegetative	SERCHH	Cleaning near base of the plant and cut
On plan	stage	We have	unwanted branches.
	Stugo		Application of split dose of fertilizer 600:
	J.		200:100 (g/pt).
		LUNGLEI	♣Apply micro-nutrients viz. zinc, copper,
	7	530395-0	manganese, iron, boron and molybdenum
	1	000	are required in ample quantities for
	7	A (~	supplying nutrients and also reduce serious
	1		disorders which may lead to decline of the
		701	whole orchard. Fruits are harvested when they attain full
		123	size, develop attractive colour with optimum
		V V	sugar and acid blend.
Banana	Vegetative	LAWNGTLAL	Cleaning near base of the plant and cut
	stage	F SAIHA	
			♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
		0 0	

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			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
			are required in ample quantities for
	1	-1	supplying nutrients and also reduce serious
		7	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4	/ A (	Pruning on a regular basis removes unwanted or a sucker, keep production mats
	1	~ 7	in optimum condition, saves fertilizer,
	7		reduces pest and disease.
	1	2 5	♣ Fruits are harvested when they attain full
	J.		size, develop attractive yellow colour.
Passion Fruit	Nursery stage		♣ Raising planting materials through seeds,
	\$	ANZAVIL.	ripe fruits from vines yielding quality fruits
	1	Cultivar.	should be collected and extract the seeds
	1	j (	should be sown after 15-20 days in raised
	),		nursery beds.
		1 15	When two to three leaves delop, seedling
	Mar (in		should be transplanted in polythene bags.
		SERCHH	The seedlings are planted in field when they become 3-4 months old.
		SERCHH	♣ Apply well decompose FYM @
	1	We have	15kg/pit/year along with 100.50.100 g NPK
			per pit.
Pineapple	Flowering		◀ Apply flowering inducing chemical (Ethrel
	stage	LUNGLEI	10 PPM+2% urea+0.04% Sodium
	3	220000000000000000000000000000000000000	Carbonate) should be applied in the heart of
		500	the plant. In evening and only when plants
	**	V /	have at least 32 leaves.  The flowering emergence will come out
		/ \	after 55-60 days after chemical spraying.
		7 (	Apply split doses of fertilizer @ 60: 50:60 g
		) 50 8	per plant.
			Remove all unwanted leaves, branches and
		LAWNGTLAN	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
		1 3	Sprouted corms or cormels are planted 5-7
		6 1	deep at a spacing of 40-50 cm between and
			3   P a g e

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



			within rows in the pits.
			♣ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	/	♣ Provide irrigation every 7 days interval
us crop	7 7.	2	which will give better yield.
_		KOLASIB	♣ In large gardens apply carbaryl 0.2 per cen
	Į.	110101010	or malathion 0.15 per cent suspension
	)	W 7	containing sugar or jeggery at 10 g/l a
	(	1 1	fortnightly intervals at flowering and fruit
	1		initiation against fruit fly and pumpki
	1		beetle.
	J.		♣ Provide split doses of urea (70g/pt) at th
	MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	1	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	♣ Before sowing seed provide one or two
	λ.	Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1 (10	transplanted	
	12	o <mark>kra field.</mark>	<b>3</b>
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
	N. Control	W. L.	Sow 2 seed 15 X 20 cm spacing.
	<b>N</b>	50	♣ Before sowing seed provide one or two
			irrigation.
Brinjal	Transplanting		Equal quantity of sand and we
	stage	LUNGLEI	decomposed FYM are mixed with soil and
	3		raised beds of 75-100 cm width an
	1	500	convenient length are prepared and thes
	- 7	A	beds are treated with a solution of 100g o
	1		blue copper dissolved in 40 litres of water
		701	or formaldehyde.
	14	1 63 8	The seeds can be sown in lines drawn at
			spacing of 5 cm across the beds and cove
D:	<b>N</b> T	TO AMERICA TO PROPERTY	with top soil.
Rice	Nursery stage	Pre Kharif Rice	Use only Well filled and healthy seeds.
		III ( SMITIA	Put the seed in 2.5% salt solution i.e 250
			of common salt in 10 lts of water.  Seed treated with Bavistin 50 WP @ 0.19
			Seed freated with Davistin 30 WP @ 0.19

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			(0 // 1 /				
			(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	- /	20-30 cm wide channel for irrigation,				
	1 1	i i	drainage and easy movement, it takes care				
		KOLASIB	of the seedlings without trampling them.				
	L.	1	Treated seed should be evenly broadcasted				
		W.	in each bed after applying manure.				
Maize	Sowing stage	1 1					
			the soil well pulverized and weed free.				
	f		♣ Seed is being placed in furrows.				
	J.	3	♣ Seed should be treated with Thiram @4				
	MAMIT		g/kg seed.				
	Z Statistica	1	♣ Use optimum seed rate (20-25 kg/ha) for				
	1	AIZAVVL	desire plant population.				
	1	4" A	Apply well decomposed FYM @ 5-10 t/ha				
	1	(	along with $80:60:40$ kg N, $P_2O_5$ and				
	1	100	K <sub>2</sub> O/ha incorporate with soil before				
	) (	A 1 3 A	sowing. Half nitrogen dose will use at the				
	1 5		time of sowing and remaining 25% after				
		SERCHH	one month and 25% at flowering stage.				
Ginger and	Land	1/20	Remove all unwanted leaves, branches and				
turmeric	preparation	Will berry	weed near to the plant.				
curincia	propuration		<b>Larthing up the soil for better aeration.</b>				
	J		Apply split dose of nitrogen fertilizer.				
		Thrips	Spray Roger or Monocrotophos (2.5 ml/lt)				
		LUNGLETIPS	for controlling thrips.				
		Scales	♣ Spray Quinalphos or Monocrotophos (2.5)				
	1	Source 855	ml/lt) for controlling scales.				
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.				
8	TILL DUNGOU	Reproductive	Tr. Calming of positive pige of pigiete.				
		Respiratory	2				
	1	Syndrome	X				
		(PRRS).	4				
	Adult stage	Swine fever.	2. Vaccination of pigs with SF				
	Auuit stage	SAIHA	1 8				
			vaccines at 2 months and yearly				
0-441-	A11	Doct on 1 March	interval/6 month interval				
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and				

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



		Disease (FMD)	repeat every 6 month.		
	Young stage Black Quarter		Black Quarter Vaccine (BQV).		
		(BQ)	❖ Primary vaccination 6 month or		
	1 1	-1 3	above		
		7	Revaccination annually		
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth		
	4	Disease.	and R₂B vaccine for adult birds.		
	Early stage	Coccidiosis	Amprolium or coccidiostat		



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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: Mamit Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

	100 M	F-S	4		
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	19	18	5	5	5
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	21	21	21	22	22
Cloud Coverage	Partially clear				
Max RH (%)	93	95	96	98	97
Min RH (%)	32	41	46	60	62
Wind Speed (KmpH)	3	3	4	3	6
*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

Champhai- 103.20mm

Saiha- 33.0 mm

Kolasib- 293.90 mm

Date of issue: 17th May, 2016

(185.67mm)

(119.49mm)

(109.81mm)

(213.61mm)

Lawngtlai-45.40 mm

Lunglei-73.06 mm

Mamit-346.74 mm

Serchhip-76.5mm

(101.58mm)

(117.69mm)

(236.28mm)

(110.96mm)

Weather summary of the past three days

temperature The range for maximum and minimum were 29.1-35.4°C and 22.1-27.3°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 90-98% & minimum of 49-70%. Rainfall recorded for three davs the past 024.20mm. (Source-

NDVI for Mizoram

mosdac.gov.in)

Weather forecast valid from 18<sup>th</sup> May, 2016 To 22<sup>nd</sup> 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 93-98% and minimum may from 32-62%. Wind direction would be southeasterly with the wind speed of 3-6 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 52.0 mm

North Case Region

26 States 2016

Franciscotored

4 52 States 2015

5 States 201

NDVI of soil moisture for Mizoram is moderate wet condition.

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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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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	•
Khasi	Nursery stage	/ 3	<b>4</b> By seeds: Seed should be sown in the
Mandarin and	) 7.,	2	nursery immediately after extraction in to a
acid lime	1 -	KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	L.	7	distance. Seedlings are planted in secondary
		W )	bed or polythene bags at 4-6 leaf stages.
	(	2 1	♣ Potting mixture of soil, sand and FYM or
	<b>3</b>	A STATE OF THE STA	compost should be in proper ratio.
	1		♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
	/ MAMIT	(	♣ Only certified seed should be used.
	§	AIZAVIL	→ Stagnation of water in beds should be
		North-India	avoided.
	1	1	Seedling of uniform height should be
	1	100	selected for planting.
		1 3 3	Hooked or bench rooted plants should be
	No. No.		discarded.  Plant protection measures should be
		SERCHH	
Oil plam	Vegetative	SCROTTI	Cleaning near base of the plant and cut
On plan	stage		unwanted branches.
	Stugo		Application of split dose of fertilizer 600:
	J.		200:100 (g/pt).
	/	LUNGLEI	Apply micro-nutrients viz. zinc, copper,
	2	LUNGLEI	manganese, iron, boron and molybdenum
	1	-	are required in ample quantities for
	1	A 3 %	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		( G A	whole orchard.
			Fruits are harvested when they attain full
		( ) 22 A	size, develop attractive colour with optimum
			sugar and acid blend.
Banana	Vegetative	LAWNGTLAIN	Cleaning near base of the plant and cut
	stage	/ SAIHA	
			Application of split dose of fertilizer 600:
		1	200:100 (g/pt).
		a C	

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			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
			are required in ample quantities for
	1. 1	3	supplying nutrients and also reduce serious
		<b>1</b>	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4		♣ Pruning on a regular basis removes
	)	(A)	unwanted or a sucker, keep production mats
	\$		in optimum condition, saves fertilizer,
	3	STATE LES	reduces pest and disease.
		5	Fruits are harvested when they attain full
			size, develop attractive yellow colour.
Passion Fruit	Nursery stage	(	Raising planting materials through seeds,
	8	L MZAVIL I	ripe fruits from vines yielding quality fruits
			should be collected and extract the seeds
	1	1	should be sown after 15-20 days in raised
	1		nursery beds.  When two to three leaves delop, seedling
	1	1 3	should be transplanted in polythene bags.
	1/2 1/3		The seedlings are planted in field when they
		SERCHH	
		(~)	♣ Apply well decompose FYM @
	1		15kg/pit/year along with 100.50.100 g NPK
			per pit.
Pineapple	Flowering		Apply flowering inducing chemical (Ethrel
	stage	LUNGLEI	10 PPM+2% urea+0.04% Sodium
	>	CONGER	Carbonate) should be applied in the heart of
	1	PN:	the plant. In evening and only when plants
	4	A ( )~	have at least 32 leaves.
	No.		The flowering emergence will come out
		9 8	after 55-60 days after chemical spraying.
			Apply split doses of fertilizer @ 60: 50:60 g
		( )	per plant.
		1	Remove all unwanted leaves, branches and
Colocasia	Sowing stage	LAWNGILAU	weed near to the plant.  Planting is done well prepared land or pits
Colocasia	Sowing stage	SAIHA	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
		V N P	3   Page

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			within rows in the pits.
			♣ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
Cucurbitaceo	Fruiting stage	/	♣ Provide irrigation every 7 days interva
us crop	7 7.	2	which will give better yield.
_		KOLASIB	♣ In large gardens apply carbaryl 0.2 per cer
	Į.	110101010	or malathion 0.15 per cent suspensio
	)	W 7	containing sugar or jeggery at 10 g/l a
	(	1 1	fortnightly intervals at flowering and fru
	(		initiation against fruit fly and pumpki
	1		beetle.
	J		♣ Provide split doses of urea (70g/pt) at th
	MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	1	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	♣ Before sowing seed provide one or tw
	1	Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1 (0	transplanted	
	) )	o <mark>kra field.</mark>	2
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
	l l	W. L.	Sow 2 seed 15 X 20 cm spacing.
	S	50	♣ Before sowing seed provide one or tw
			irrigation.
Brinjal	<b>Transplanting</b>		Equal quantity of sand and we
	stage	LUNGLEI	decomposed FYM are mixed with soil an
	3		raised beds of 75-100 cm width an
	1	500	convenient length are prepared and thes
	7	A	beds are treated with a solution of 100g of
			blue copper dissolved in 40 litres of water
		701	or formaldehyde.
		1 63 8	The seeds can be sown in lines drawn at
		t A	spacing of 5 cm across the beds and cover
D.	NT	TO AMERICAN PROPERTY.	with top soil.
Rice	Nursery stage	Pre Kharif Rice	Use only Well filled and healthy seeds.
		III ( SMITIA	
			of common salt in 10 lts of water.
			Seed treated with Bavistin 50 WP @ 0.19

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			(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
	7.7	7	20-30 cm wide channel for irrigation,
	1	5	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
	Į.		Treated seed should be evenly broadcasted
	)	W. )	in each bed after applying manure.
Maize	Sowing stage	1 1	<b>★</b> Two to three plough are necessary to get
	<b>\</b>		the soil well pulverized and weed free.
	1		Seed is being placed in furrows.
	1		Seed should be treated with Thiram @4
	/ MAMIT		g/kg seed.
	ζ,	ANZAVIL	Use optimum seed rate (20-25 kg/ha) for
	1	Contestor	desire plant population.
	1	)	Apply well decomposed FYM @ 5-10 t/ha
	1		along with $80:60:40$ kg N, $P_2O_5$ and
		( ) > (	K <sub>2</sub> O/ha incorporate with soil before
	1.0		sowing. Half nitrogen dose will use at the
	) )		time of sowing and remaining 25% after
	(-41)	SERCHH	P one month and 25% at flowering stage.
Ginger and	Land	Water	Remove all unwanted leaves, branches and
turmeric	preparation	LL.	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/lt)
		0 1	for controlling thrips.
	1	Scales	Spray Quinalphos or Monocrotophos (2.5
Di e	A11 stores	Porcine	ml/lt) for controlling scales.
Pig	All stages	16 No. 10	1. Culling of positive pigs or piglets.
		Reproductive	)
	N	Respiratory	
		Syndrome	
	Adult stone	(PRRS). Swine fever.	O Vaccination of nice with CE
	Adult stage	Swine lever.	2. Vaccination of pigs with SF
			vaccines at 2 months and yearly
Cattle	A11 ogo gwa	Foot and Mouth	interval/6 month interval  FMD vaccine at 16 week and
Cattle	All age group	root and mouth	FMD vaccine at 16 week and

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		Disease (FMD)	repeat every 6 month.
	Young stage Black Quarter		<ul> <li>Black Quarter Vaccine (BQV).</li> </ul>
		(BQ)	❖ Primary vaccination 6 month or
	1 1	-1 3	above
		7	Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat



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



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SAIHA

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Saiha Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

	10 M	f.	4		
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	0	5	5	2	5
Max Temp (°C)	35	35	35	34	33
Min Temp (°C)	21	22	22	22	21
Cloud Coverage	Mainly clear	Partially clear	Mainly clear	Partially clear	Mainly cloudy
Max RH (%)	80	91	94	96	85
Min RH (%)	28	31	33	37	40
Wind Speed (KmpH)	3	2	2	4	4
*Wind Direction	E	E	E	S	S

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

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

Aizawl- 245.10 mm

Champhai- 103.20mm

Saiha- 33.0 mm

Kolasib- 293.90 mm

Date of issue: 17th May, 2016

(185.67mm)

(119.49mm)

(109.81mm) Mamit-346.74 mm (213.61mm) Serchhip-76.5mm

Lawngtlai-45.40 mm (101.58mm)

Lunglei-73.06 mm (117.69mm)

(236.28mm)

(110.96mm)

Weather summary of the past three days

The temperature range for maximum and minimum were 26.8-30.3°C and 16.8-20.3°C respectively. Mainly cloudy sky was observed. Wind direction is southeasterly. Maximum RH observed 90-98% & minimum of 50-65%. Rainfall recorded for three davs the past 018.30mm. (Source-

NDVI for Mizoram

mosdac.gov.in)

Weather forecast valid from 18<sup>th</sup> May, 2016 To 22<sup>nd</sup> April, 2016.

There are chances of light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 33-35°C and 21-22°C. Maximum relative humidity is expected in the range of 80-96% and minimum may from 28-40%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 17.0 mm

NDVI of soil moisture for Mizoram is moderate wet condition.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	•
Khasi	Nursery stage	/ 3	<b>4</b> By seeds: Seed should be sown in the
Mandarin and	) 7.,	2	nursery immediately after extraction in to a
acid lime	1 -	KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	L.	7	distance. Seedlings are planted in secondary
		W )	bed or polythene bags at 4-6 leaf stages.
	(	2 1	♣ Potting mixture of soil, sand and FYM or
	<b>f</b>	A STATE OF THE STA	compost should be in proper ratio.
	1		♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
	/ MAMIT	(	♣ Only certified seed should be used.
	§	AIZAVIL	→ Stagnation of water in beds should be
		North-India	avoided.
	1	1	Seedling of uniform height should be
	1	100	selected for planting.
		1 3 3	Hooked or bench rooted plants should be
	No. No.		discarded.  Plant protection measures should be
		SERCHH	
Oil plam	Vegetative	SCRONN	Cleaning near base of the plant and cut
On plan	stage	100	unwanted branches.
	Stugo		Application of split dose of fertilizer 600:
	J.		200:100 (g/pt).
	/	LUNGLEI	Apply micro-nutrients viz. zinc, copper,
	2	LUNGLEI	manganese, iron, boron and molybdenum
	1	-	are required in ample quantities for
	1	A 3 %	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		( G A	whole orchard.
			Fruits are harvested when they attain full
		( ) 22 A	size, develop attractive colour with optimum
			sugar and acid blend.
Banana	Vegetative	LAWNGTLAIN	Cleaning near base of the plant and cut
	stage	/ SAIHA	
			Application of split dose of fertilizer 600:
		1	200:100 (g/pt).
		a C	

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			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
			are required in ample quantities for
	1. 1	3	supplying nutrients and also reduce serious
		<b>1</b>	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4		♣ Pruning on a regular basis removes
	)	(A)	unwanted or a sucker, keep production mats
	\$		in optimum condition, saves fertilizer,
	3	STATE LES	reduces pest and disease.
		5	Fruits are harvested when they attain full
			size, develop attractive yellow colour.
Passion Fruit	Nursery stage	(	Raising planting materials through seeds,
	8	L MZAVIL I	ripe fruits from vines yielding quality fruits
			should be collected and extract the seeds
	1	1	should be sown after 15-20 days in raised
	1		nursery beds.  When two to three leaves delop, seedling
	1	1 3	should be transplanted in polythene bags.
	1/2 1/3		The seedlings are planted in field when they
		SERCHH	
		(~)	♣ Apply well decompose FYM @
	1		15kg/pit/year along with 100.50.100 g NPK
			per pit.
Pineapple	Flowering		Apply flowering inducing chemical (Ethrel
	stage	LUNGLEI	10 PPM+2% urea+0.04% Sodium
	>	CONGER	Carbonate) should be applied in the heart of
	1	PN:	the plant. In evening and only when plants
	4	A ( )~	have at least 32 leaves.
	No.		The flowering emergence will come out
		9 8	after 55-60 days after chemical spraying.
			Apply split doses of fertilizer @ 60: 50:60 g
		( )	per plant.
		1	Remove all unwanted leaves, branches and
Colocasia	Sowing stage	LAWNGILAU	weed near to the plant.  Planting is done well prepared land or pits
Colocasia	Sowing stage	SAIHA	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	Fruiting stage	/	♣ Provide irrigation every 7 days interva
us crop	7 7.	2	which will give better yield.
_		KOLASIB	♣ In large gardens apply carbaryl 0.2 per cer
	Į.	110101010	or malathion 0.15 per cent suspensio
	)	W 7	containing sugar or jeggery at 10 g/l a
	(	1 1	fortnightly intervals at flowering and fru
	(		initiation against fruit fly and pumpki
	1		beetle.
	J		♣ Provide split doses of urea (70g/pt) at th
	MAMIT		time of full blooming.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	1	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	♣ Before sowing seed provide one or tw
	1	Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	1 0	transplanted	
	) )	o <mark>kra field.</mark>	2
Cowpea	Sowing stage	SERCHH	Plough the field with the help of spade.
	l l	W. L.	Sow 2 seed 15 X 20 cm spacing.
	S	50	♣ Before sowing seed provide one or tw
			irrigation.
Brinjal	<b>Transplanting</b>		Equal quantity of sand and we
	stage	LUNGLEI	decomposed FYM are mixed with soil an
	3		raised beds of 75-100 cm width an
	1	500	convenient length are prepared and thes
	7	A	beds are treated with a solution of 100g of
			blue copper dissolved in 40 litres of water
		701	or formaldehyde.
		1 63 8	The seeds can be sown in lines drawn at
		t A	spacing of 5 cm across the beds and cover
D.	NT	TO AMERICAN PROPERTY.	with top soil.
Rice	Nursery stage	Pre Kharif Rice	Use only Well filled and healthy seeds.
		III ( SMITIA	
			of common salt in 10 lts of water.
			Seed treated with Bavistin 50 WP @ 0.19

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			(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
	7.7	7	20-30 cm wide channel for irrigation,
	1	5	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
	Į.	11000000	Treated seed should be evenly broadcasted
	)	W. )	in each bed after applying manure.
Maize	Sowing stage	1 1	<b>★</b> Two to three plough are necessary to get
	<b>\</b>		the soil well pulverized and weed free.
	1		Seed is being placed in furrows.
	1		Seed should be treated with Thiram @4
	/ MAMIT		g/kg seed.
	ζ,	ANZAVIL	Use optimum seed rate (20-25 kg/ha) for
	1	Contestor	desire plant population.
	1	)	Apply well decomposed FYM @ 5-10 t/ha
	1		along with $80:60:40$ kg N, $P_2O_5$ and
		( ) > (	K <sub>2</sub> O/ha incorporate with soil before
	1.0		sowing. Half nitrogen dose will use at the
	) )		time of sowing and remaining 25% after
	(-41)	SERCHH	P one month and 25% at flowering stage.
Ginger and	Land	Water	Remove all unwanted leaves, branches and
turmeric	preparation	LL.	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/lt)
		0 1	for controlling thrips.
	1	Scales	Spray Quinalphos or Monocrotophos (2.5
Di e	A11 stores	Porcine	ml/lt) for controlling scales.
Pig	All stages	16 No. 10	1. Culling of positive pigs or piglets.
		Reproductive	)
	N	Respiratory	
		Syndrome	1
	Adult stone	(PRRS). Swine fever.	O Vaccination of nice with CE
	Adult stage	Swine lever.	2. Vaccination of pigs with SF
			vaccines at 2 months and yearly
Cattle	A11 ogo gwa	Foot and Mouth	interval/6 month interval  FMD vaccine at 16 week and
Cattle	All age group	root and mouth	FMD vaccine at 16 week and

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Disease (FMD)	repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	❖ Primary vaccination 6 month or
	1 1	-1 3	above
		7	Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat



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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



**District: Serchhip** Period: 18 May - 22 May, 2016

Bulletin No: - 602/2016/ Bulletin/English

		A COLUMN TO THE PARTY OF THE PA	Charles and the Control of the Contr		
Parameters	18.05.2016	19.05.2016	20.05.2016	21.05.2016	22.05.2016
Rainfall (mm)	4	5	5	5	7
Max Temp (°C)	31	31	32	32	32
Min Temp (°C)	18	19	17	17	18
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly cloudy
Max RH (%)	91	92	97	99	99
Min RH (%)	31	36	42	49	50
Wind Speed (KmpH)	4	2	2	2	3
*Wind Direction	E	E	S-E	E	E

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

STATUS OF MONSOON- April 1-30, 2016 (Percent of deviation from normal in parenthesis) Kolasib- 293.90 mm

Saiha- 33.0 mm Aizawl- 245.10 mm Champhai- 103.20mm (185.67mm)(119.49mm)

(109.81mm)

(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)

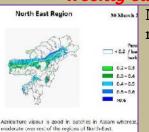
Weather summary of the past three days

Weather forecast valid from 18th May, 2016 To 22nd April, 2016.

There are chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 17-19°C. Maximum relative humidity is expected in the range of 91-99% and minimum may from 31-50%. 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: 26.0 mm

**NDVI** for Mizoram



NDVI of soil moisture for Mizoram is moderate wet condition.

Date of issue: 17th May, 2016

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
Khasi	Nursery stage	1	<b>By seeds:</b> Seed should be sown in the
Mandarin and		7	nursery immediately after extraction in to a
acid lime	V ***	KOLASIB	depth 1.5 to 2 cm extraction at 10x5 cm
	4	/ ( )	distance. Seedlings are planted in secondary
	/	W ( a )	bed or polythene bags at 4-6 leaf stages.
	7	(	Potting mixture of soil, sand and FYM or compost should be in proper ratio.
	3	7 5	Application of split dose of fertilizer 600:
	J.	3	200:100 (g/pt).
	2 MAMIT		♣ Only certified seed should be used.
	ζ	1	♣ Stagnation of water in beds should be
	18	AIZAVIL	avoided.
	1	1	♣ Seedling of uniform height should be
	λ,:		selected for planting.
	1	1 30	Hooked or bench rooted plants should be
	Mar (F		discarded.
	1	SERCHH	♣ Plant protection measures should be followed.
Oil plam	Vegetative	SCRUNN	Cleaning near base of the plant and cut
On plan	stage	We have	unwanted branches.
	o ango		Application of split dose of fertilizer 600:
	1,13		200:100 (g/pt).
		LUNGLEI	♣Apply micro-nutrients viz. zinc, copper,
	7	531/33/5/11	manganese, iron, boron and molybdenum
	1.)	500	are required in ample quantities for
	7	Λ (°~	supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		7 (	whole orchard. Fruits are harvested when they attain full
	1	1 5 4	size, develop attractive colour with optimum
			sugar and acid blend.
Banana	Vegetative	LAWNGTLAL	♣ Cleaning near base of the plant and cut
	stage	F SAIHA	
	_		Application of split dose of fertilizer 600:
			200:100 (g/pt).
		0 0	

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			♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
		1	are required in ample quantities for
	1/2/	3	supplying nutrients and also reduce serious
		7	disorders which may lead to decline of the
		KOLASIB	whole orchard.
	4	1,	Pruning on a regular basis removes
	1	W ( a )	unwanted or a sucker, keep production mats in optimum condition, saves fertilizer,
	γ		reduces pest and disease.
	1	7 5	Fruits are harvested when they attain full
			size, develop attractive yellow colour.
Passion Fruit	Nursery stage		Raising planting materials through seeds,
	an in the second	A Property A	ripe fruits from vines yielding quality fruits
	1	A AIZAVVIL	should be collected and extract the seeds
		J )	should be sown after 15-20 days in raised
	1		nursery beds.
		( ) > 0	♣ When two to three leaves delop, seedling
	1 0		should be transplanted in polythene bags.
	12		The seedlings are planted in field when they
		SERCHH	· No.
	No.	Mary Langue	♣ Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK
		54	per pit.
Pineapple	Flowering		Apply flowering inducing chemical (Ethrel
	stage	ranna ar	10 PPM+2% urea+0.04% Sodium
		LUNGLEI	Carbonate) should be applied in the heart of
	1	PAC .	the plant. In evening and only when plants
	1	A 3 22	have at least 32 leaves.
			The flowering emergence will come out
		1 9 6	after 55-60 days after chemical spraying.
			Apply split doses of fertilizer @ 60: 50:60 g
			per plant.  Remove all unwanted leaves, branches and
		LI AMMETI ALS	weed near to the plant.
Colocasia	Sowing stage	SAIHA	<ul><li>♣ Planting is done well prepared land or pits</li></ul>
	2000	1(1)	filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted 5-7
		200	deep at a spacing of 40-50 cm between and
		1 1 1	3   P a g e

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		2	within rows in the pits.  Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Cucurbitaceo us crop	Fruiting stage	KOLASIB	<ul> <li>Provide irrigation every 7 days interval which will give better yield.</li> <li>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.</li> <li>Provide split doses of urea (70g/pt) at the</li> </ul>
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	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 irrigation.  Provide fertilizer @ 120: 60: 60 Kg/ha
Cowpea	Sowing stage	SERCHH	<ul> <li>Plough the field with the help of spade.</li> <li>Sow 2 seed 15 X 20 cm spacing.</li> <li>Before sowing seed provide one or two irrigation.</li> </ul>
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.

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			(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
	1/2	( )	20-30 cm wide channel for irrigation,
	) Y.	2	drainage and easy movement, it takes care
		KOLASIB	of the seedlings without trampling them.
		NOLINOIS X	Treated seed should be evenly broadcasted
	)	W	in each bed after applying manure.
Maize	Sowing stage	3 21 1	<b>♣</b> Two to three plough are necessary to get
	1		the soil well pulverized and weed free.
	1		♣ Seed is being placed in furrows.
	J		♣ Seed should be treated with Thiram @4
	MAMIT		g/kg seed.
	C systems		♣ Use optimum seed rate (20-25 kg/ha) for
		AIZAVIL	desire plant population.
	\ \	5	♣ Apply well decomposed FYM @ 5-10 t/ha
	\		along with 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> and
		( ) 20	K <sub>2</sub> O/ha incorporate with soil before
	1 0		sowing. Half nitrogen dose will use at the
	) )		time of sowing and remaining 25% after
	-	SERCHH	one month and 25% at flowering stage.
Ginger and	Land	V	Remove all unwanted leaves, branches and
turmeric	preparation		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/lt)
	1		for controlling thrips.
		Scales	Spray Quinalphos or Monocrotophos (2.5
		A _ ( '~	ml/lt) for controlling scales.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF
		SAIHA	vaccines at 2 months and yearly
			interval/6 month interval
Cattle	All age group	F <mark>oot and</mark> Mouth	FMD vaccine at 16 week and
		12	

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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 3	above
		7	Revaccination annually
Poultry	Adult stage	Ranikhet	• F1 vaccine at (1-6) days of birth
	4	Disease.	and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat



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