



### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Dimapur District

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			Bulletin No:90/2017
Weather summary of the preceding week			Weather forecast valid upto 22 <sup>nd</sup> Nov'17
■ No rain occurred the past week			<ul> <li>Probability of no rain the coming week.</li> </ul>
■ Maximum and r	ninimum temperatu	res ranged 290	C to $\blacksquare$ <b>Max temp</b> is likely to be 29 $^{\circ}$ C - 30 $^{\circ}$ C and the <b>min temp</b> 16 $^{\circ}$ C to 17 $^{\circ}$ C
$30^{0}$ C and $15^{0}$ C to	o 17 <sup>0</sup> C, respectively		• Sky is likely to be clear the coming week
	y varied from 40% t		■ <b>Relative Humidity</b> is likely to range from 46% to 88%.
<ul><li>Wind speed rang</li></ul>	ged from 3 to 4 kmpl	h	■ Wind speed may reach upto 2- 3 kmph
			Wind direction will be mostly north easterly
■ NDVI for Nagaland	d		
			E'.11
			Field crops
<b>Main Crops</b>	Stage	Pest/	Agro-meteorological Advisories
		Diseases	
Ihum naddy	Post Harvesting		Follow sanitation during drying milling and after milling to avoid

#### sanitation during drying, milling and after milling Jhum paddy Post Harvesting contamination of grains and protect from insects, rodents and birds. stage TRC/WRC Milk Grasshopper It feeds irregularly on seedling and leaf blade and cuts the stem during the development panicle stage. Bunds should be cleaned at regular interval. paddy stage Field preparation should be started for toria and arrangement for quality seeds Land preparation **Toria** should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region Land preparation should be started for rabi maize. It can be grown in all types Land preparation Rabi maize of soils having adequate provision of drainage. Field should be ploughed

RCM-76.

use his own seed, seed treatment is a must.

properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to

Some of the varieties recommended for our region are HQPM-1, Allrounder and

	Horticultural crop			
		hould be maintained. Seed bed should be in good tilth, free from diseases and weeds.		
Citrus	Fruit	flies Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate		
Vegetables		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination		
Cauliflower, cabbage, broccoli, tomato		Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.		
Fruit trees		Farmers are advised for application of manure and fertilizer in orchards		
Ginger / turmeric	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.		
Ginger / turmeric	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.		
Vaccination of	Livestock  Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry	As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.  ✓ If possible there should be separate space for different age group of birds.			
	✓ Sick bird should be immediately separated/ culled from healthy flock.			

		✓ Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected	
Piggery		✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.	
	✓ A separate house should be there to keep the animals suffering from contagious diseases.  **Fisheries**		
		<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> </ul>	
ыфзыц ІСА R		Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion	

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
6			Aromatic Plants	azezeseyie@yahoo.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com





### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Kiphire District

Bulletin No:90/2017

	Bulletin No:90/2017			
Weather summary of the preceding week	Weather forecast valid upto 22 <sup>nd</sup> Nov'17			
■ No rain occurred the past week	Probability of no rain the coming week.			
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 26 <sup>o</sup> C - 27 <sup>o</sup> C and the min temp 13 <sup>o</sup> C to 14 <sup>o</sup> C			
$23^{0}$ C to $25^{0}$ C and $11^{0}$ C to $13^{0}$ C, respectively.	• Sky is likely to be clear the coming week			
■ Relative humidity varied from 26% to 88%.	■ Relative Humidity is likely to range from 31% to 85%.			
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 2 kmph			
	Wind direction will be easterly			
■ NDVI for Nagaland				
	Tr. 11			
	Field crops			
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#### Main Crops Stage Pest/ **Agro-meteorological Advisories Diseases** Jhum paddy Post Harvesting Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds. stage TRC/WRC Grasshopper It feeds irregularly on seedling and leaf blade and cuts the stem during the Milk paddy development panicle stage. Bunds should be cleaned at regular interval. stage Land preparation Field preparation should be started for toria and arrangement for quality seeds **Toria** should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region Land preparation should be started for rabi maize. It can be grown in all types Rabi maize Land preparation of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must. Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.

# Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds. Citrus Fruit flies Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and

			destroy any stung fruit, it is more effective to do this straight away than picking
			up rotten fruit from the ground as the maggots may have already left the fruit to
			pupate
I	egetables/		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with
			organic manure @ 40-50 kg per 10 square meters.
			Damping off is the most common disease. Soil treatment with captaf before sowing.
			For termites and cut worms. Application of Chlorpyriphos as soil treatment is
			recommended before sowing to control such insects.
			Make a raised bed of 15-20cm higher from the surface level.
			Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial
	~		for moisture conservation and quick germination
	Cauliflower,		Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato
	abbage,		may also be done in raised bed. Recommended spacing should be maintained.
	roccoli , omato		Before sowing, fully decomposed FYM or compost is advised in vegetable and
L	omaio		other crops, as it improves the physical and biological properties of soil and
			thus increases the water retention capacity as well as nutrient status of the soil.
7	Fruit trees		Farmers are advised for application of manure and fertilizer in orchards
1	Tun nees		Turmers are davised for application of manare and fertilizer in orchards
	Ginger /	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the
	urmeric	Wiaturity stage	healthy plants/plots must be marked and kept for planting in the next season.
	armerie		Marking has to be done properly otherwise when plant matures and gets dried
			up, it will be very difficult to find out the marked plots.
			Livestock
	Vaccination of	f animals should be done	e against out-break of major diseases. Provide clean and cool drinking water to the animals
I	Poultry		ture is decreasing, the shed should be protected from cold wind by hanging curtain around
		the side of the v	
		_	e should be separate space for different age group of birds.
		•	
			d be immediately separated/ culled from healthy flock.
		<ul> <li>Poultry equipm</li> </ul>	ents particularly waterer and feeder should be regularly cleaned and disinfected
I	Piggery	✓ Occurrence of	most of the diseases can be prevented by following strict hygienic measure and by timely
		vaccination of p	
		_	se should be there to keep the animals suffering from contagious diseases.
		A separate nous	se should be there to keep the allimais suffering from contagious diseases.



#### Fisheries

- Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.
- Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion

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### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Kohima District

**Bulletin No:90/2017** 

	Weather summary of the preceding week	Weather forecast valid upto 22 <sup>nd</sup> Nov'17			
	■ Light rain occurred the past week	■ Probability of no rain the coming week.			
	■ Maximum and minimum temperatures ranged 21	■ Max temp is likely to be 23 <sup>o</sup> C - 25 <sup>o</sup> C and the min temp 10 <sup>o</sup> C to 13 <sup>o</sup> C			
	<sup>0</sup> C to 22 <sup>0</sup> C and 14 <sup>0</sup> C to 15 <sup>0</sup> C, respectively.	Sky is likely to be partly cloudy the coming week			
	■ Relative humidity varied from 37% to 95%.	■ Relative Humidity is likely to range from 45% to 89%.			
	■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 2-3 kmph			
		Wind direction will be mostly easterly			
Ī	■ NDVI for Nagaland				

#### Field crops

<b>Main Crops</b>	Stage	Pest/	Agro-meteorological Advisories
		Diseases	
Jhum paddy	Post Harvesting stage		Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.
TRC/WRC paddy	Milk development stage	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.
			Horticultural crop

Use well drain	Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.		
Citrus	Fruit fl	Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate	
Vegetables		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination	
Cauliflower, cabbage, broccoli, tomato		Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.	
Fruit trees		Farmers are advised for application of manure and fertilizer in orchards	
Ginger / turmeric	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.	
Vaccination	n of animals should be done aga	Livestock inst out-break of major diseases. Provide clean and cool drinking water to the animals	
Poultry	<ul> <li>✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.</li> <li>✓ If possible there should be separate space for different age group of birds.</li> </ul>		

		✓ Sick bird should be immediately separated/ culled from healthy flock.
		Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected
	Piggery	✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.
		✓ A separate house should be there to keep the animals suffering from contagious diseases.
		Fisheries
भाकुअनुप		<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> <li>Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion</li> </ul>

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### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Longleng District

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Bull	letin	No	•90	/2015	7
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Weather summary of the preceding week	Weather forecast valid upto 22 <sup>nd</sup> Nov'17
■ Light rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged 26 <sup>o</sup> C	■ Max temp is likely to be 25°C - 27°C and the min temp 12°C to 13°C
to 27 <sup>o</sup> C and 15 <sup>o</sup> C to 17 <sup>o</sup> C, respectively.	Sky is likely to be mainly clear the coming week
■ Relative humidity varied from 60% to 95%.	■ Relative Humidity is likely to range from 49% to 82%.
■ Wind speed ranged from 1 to 2 kmph	■ Wind speed may reach upto 2-3 kmph
	Wind direction will be mostly easterly
■ NDVI for Nagaland	

#### Field crops

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Jhum paddy	Post Harvesting stage		Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.
TRC/WRC paddy	Milk development stage	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.

#### Horticultural crop

Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.

Citrus		Fruit flies	Once fruit is stung it is too late for anything but planning for a better		
			result next year! You can check fruit for tiny dimples or weeping clear		
			sap. Remove and destroy any stung fruit, it is more effective to do this		
			straight away than picking up rotten fruit from the ground as the maggots		
			may have already left the fruit to pupate		
Vegetabl	es		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed		
			with organic manure @ 40-50 kg per 10 square meters.		
			Damping off is the most common disease. Soil treatment with captaf		
			before sowing.		
			For termites and cut worms. Application of Chlorpyriphos as soil		
			treatment is recommended before sowing to control such insects.		
			Make a raised bed of 15-20cm higher from the surface level.		
			Mulching: Nursery mulching just after sowing with straw, dry grass is		
			beneficial for moisture conservation and quick germination		
Cauliflo			Transplanting of mature seedlings of cauliflower, cabbage, broccoli and		
cabbage,			tomato may also be done in raised bed. Recommended spacing should be		
broccoli	,		maintained. Before sowing, fully decomposed FYM or compost is advised		
tomato			in vegetable and other crops, as it improves the physical and biological		
			properties of soil and thus increases the water retention capacity as well		
			as nutrient status of the soil.		
			us turneth sidius of the sou.		
Fruit tre	es		Farmers are advised for application of manure and fertilizer in orchards		
G1 /					
Ginger /	Maturity stage		Field must be inspected daily for disease appearance. While inspecting,		
turmeric			the healthy plants/plots must be marked and kept for planting in the next		
			season. Marking has to be done properly otherwise when plant matures		
			and gets dried up, it will be very difficult to find out the marked plots.		
***			Livestock		
			eak of major diseases. Provide clean and cool drinking water to the animals		
Poultry	✓ As the temper	ature is decre	easing, the shed should be protected from cold wind by hanging curtain		
	around the side	around the side of the wall or shed.			
	✓ If possible the	✓ If possible there should be separate space for different age group of birds.			
			ately separated/ culled from healthy flock.		
	Poultry equipn	nents particul	arly waterer and feeder should be regularly cleaned and disinfected		

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	Piggery	<ul> <li>✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.</li> <li>✓ A separate house should be there to keep the animals suffering from contagious diseases.</li> </ul>
		Fisheries
нфзиц ІСА R		<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> <li>Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion</li> </ul>

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## Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Mokokchung District

Bulletin No:90/2017

		Bulletin 140:90/2017
	Weather summary of the preceding week	Weather forecast valid upto 12 <sup>th</sup> Nov'17
	■ No rain occurred the past week	■ Probability of no rain the coming week.
	• Maximum and minimum temperatures ranged	■ Max temp is likely to be 26°C - 27°C and the min temp 13°C to 14°C
	$24^{0}$ C to $26^{0}$ C and $14^{0}$ C to $15^{0}$ C, respectively.	Sky is likely to be mainly clear the coming week
	■ Relative humidity varied from 42% to 90%.	■ Relative Humidity is likely to range from 31% to 85%.
	■ Wind speed ranged from 3 to 5 kmph	■ Wind speed may reach upto 2 kmph
		Wind direction will be mostly easterly
	■ NDVI for Nagaland	
İ		Field crops

Main	Stage	Pest/	Agro-meteorological Advisories	
Crops		Diseases		
Jhum paddy	Post Harvesting stage		Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.	
TRC/WRC paddy	Milk development stage	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.	
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region	
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.	
	Horticultural crop			

Use well d	rained soils, field sanitation should	be maintained. Seed bed should be in good tilth, free from diseases and weeds.	
Citrus	Fruit flies	Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate	
Vegetables		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination	
Cauliflower, cabbage, broccoli, tomato		Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.	
Fruit trees		Farmers are advised for application of manure and fertilizer in orchards	
Ginger / turmeric	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.	
Vaccination	of animals should be done against of	Livestock out-break of major diseases. Provide clean and cool drinking water to the animals	
Poultry	side of the wall or shed.  ✓ If possible there should be ✓ Sick bird should be immed	easing, the shed should be protected from cold wind by hanging curtain around the separate space for different age group of birds. iately separated/ culled from healthy flock. larly waterer and feeder should be regularly cleaned and disinfected	
Piggery	Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.		

	✓ A separate house should be there to keep the animals suffering from contagious diseases.
	Fisheries
ыцьзыц ІСАК	<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> <li>Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion</li> </ul>

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### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 **Mon District**

**Bulletin No:90/2017** 

and a second as the				
Weather forecast valid upto 22 <sup>nd</sup> Nov'17				
oility of no rain the coming week.				
emp is likely to be $27^{\circ}\text{C}$ - $28^{\circ}\text{C}$ and the min temp $13^{\circ}\text{C}$ to $15^{\circ}\text{C}$				
likely to be mainly clear the coming week				
ve Humidity is likely to range from 47% to 80%.				
speed may reach upto 0- 6 kmph				
direction will be southeasterly				
Field crops				

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Jhum paddy	Post Harvesting stage		Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.
TRC/WRC paddy	Milk development stage	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.

Horticultural crop				
Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.				
Citrus		ruit flies  Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate		
Vegetables		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination		
Cauliflower, cabbage, broccoli, tomato		Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.		
Fruit trees		Farmers are advised for application of manure and fertilizer in orchards		
Ginger / turmeric	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season.  Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.		
Livestock  Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals				
Poultry	✓ As the temp around the si ✓ If possible the ✓ Sick bird sho	erature is decreasing, the shed should be protected from cold wind by hanging curtain de of the wall or shed.  Here should be separate space for different age group of birds.  Fould be immediately separated/ culled from healthy flock.  Forments particularly waterer and feeder should be regularly cleaned and disinfected		

	Piggery	<ul> <li>✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.</li> <li>✓ A separate house should be there to keep the animals suffering from contagious diseases.</li> </ul>
		Fisheries
нрэнц		<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> <li>Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion</li> </ul>

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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4	Dr. Rajesha G	Scientist	Plant Pathology	rajeshag337@gmail.com
5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
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7	7 Jyotish Barman Scientist		Fisheries Resource Management	jyotish5@gmail.com
8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com





### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Peren District

**Bulletin No:90/2017** 

Weather summary of the preceding week	Weather forecast valid upto 22 <sup>nd</sup> Nov'17
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 24 <sup>o</sup> C - 25 <sup>o</sup> C and the min temp 13 <sup>o</sup> C to 15 <sup>o</sup> C
$22^{0}$ C to $24^{0}$ C and $12^{0}$ C to $14^{0}$ C, respectively.	Sky is likely to be mainly clear the coming week
■ Relative humidity varied from 39% to 95%.	■ Relative Humidity is likely to range from 48% to 80%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 2-3 kmph
	Wind direction will be easterly
■ NDVI for Nagaland	

#### Field crops

Main Crops	Stage	Pest/	Agro-meteorological Advisories
		Diseases	
Jhum paddy	Post Harvesting		Follow sanitation during drying, milling and after milling to avoid
	stage		contamination of grains and protect from insects, rodents and birds.
TRC/WRC	Milk	Grasshopp	It feeds irregularly on seedling and leaf blade and cuts the stem during the
paddy	development	er	panicle stage. Bunds should be cleaned at regular interval.
	stage		
Toria	Land	-	Field preparation should be started for toria and arrangement for quality
	preparation		seeds should be done. M-27, TS-36 and TS-38 are some of the varieties
			recommended for our region
Rabi maize	Land		Land preparation should be started for rabi maize. It can be grown in all
	preparation		types of soils having adequate provision of drainage. Field should be
			ploughed properly so as to expose the pupae of red hairy caterpillar. Sow
			certified seeds from a reliable source to prevent seed rot and seedling blight.
			If one wants to use his own seed, seed treatment is a must.
			Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.
			una KCM-70.

#### Horticultural crop

Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.

Citrus		Fruit flies	Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate
Vegetables			Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination
Cauliflower, cabbage, broccoli, tomato			Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.
Fruit trees			Farmers are advised for application of manure and fertilizer in orchards
Ginger / turmeric	Maturity stage		Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.
Vaccination of	animals should be don	e against ou	Livestock  at-break of major diseases. Provide clean and cool drinking water to the animals
Poultry	<ul> <li>✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.</li> <li>✓ If possible there should be separate space for different age group of birds.</li> <li>✓ Sick bird should be immediately separated/ culled from healthy flock.</li> <li>Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected</li> </ul>		



HIED SI-JU ICAR	Piggery  ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.  ✓ A separate house should be there to keep the animals suffering from contagious diseases.  Fisheries
	<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> <li>Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion</li> </ul>

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5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
6			Aromatic Plants	azezeseyie@yahoo.com
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### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Phek District

**Bulletin No:90/2017** 

Weather summary of the preceding week	Weather forecast valid upto 22 <sup>nd</sup> Nov'17
■ No rain occurred the past week	Probability of no rain the coming week.
Maximum and minimum temperatures	■ Max temp is likely to be 24 <sup>o</sup> C - 25 <sup>o</sup> C and the min temp 13 <sup>o</sup> C to 14 <sup>o</sup> C
ranged $22^{0}$ C to $23^{0}$ C and $11^{0}$ C to $12^{0}$ C,	
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· ·	* * * * * * * * * * * * * * * * * * *
■ Wind speed ranged from 1 to 2 kmph	Wind direction will be mostly southeasterly
■ NDVI for Nagaland	
respectively.  Relative humidity varied from 30% to 95%.  Wind speed ranged from 1 to 2 kmph	Relative Humidity is likely to range from 44% to 92%.  Wind speed may reach upto 0-2 kmph Wind direction will be mostly southeasterly

#### Field crops

	Main	Stage	Pest/	Agro-meteorological Advisories
	Crops		Diseases	
	Jhum paddy	Post Harvesting		Follow sanitation during drying, milling and after milling to avoid contamination of
		stage		grains and protect from insects, rodents and birds.
	TRC/WRC	Milk	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle
	paddy	development		stage. Bunds should be cleaned at regular interval.
		stage		
	Toria	Land	-	Field preparation should be started for toria and arrangement for quality seeds
		preparation		should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
H	Dahi aa sis	Lond		O
	Rabi maize	Land		Land preparation should be started for rabi maize. It can be grown in all types of
		preparation		soils having adequate provision of drainage. Field should be ploughed properly so
				as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable
				source to prevent seed rot and seedling blight. If one wants to use his own seed,
				seed treatment is a must.

		Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.
Use well	drained soils, field sanit	Horticultural crop ation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.
Citrus		out flies  Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotter fruit from the ground as the maggots may have already left the fruit to pupate
Vegetables		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing. For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination
CauliflowerTransplanting of mature seedlings of cauliflower, cabbage, broccoli a, cabbage,also be done in raised bed. Recommended spacing should be mainbroccoli,sowing, fully decomposed FYM or compost is advised in vegetable an		Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops as it improves the physical and biological properties of soil and thus increases the
Fruit trees		Farmers are advised for application of manure and fertilizer in orchards
Ginger / turmeric	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.
Vaccination	n of animals should be d	Livestock one against out-break of major diseases. Provide clean and cool drinking water to the animals
Poultry		ture is decreasing, the shed should be protected from cold wind by hanging curtain around the

	<ul> <li>✓ If possible there should be separate space for different age group of birds.</li> <li>✓ Sick bird should be immediately separated/ culled from healthy flock.</li> <li>• Poultry equipments particularly waterer and feeder should be regularly cleaned and displayed.</li> <li>✓ Occurrence of most of the diseases can be prevented by following strict hygienic vaccination of pigs.</li> <li>✓ A separate house should be there to keep the animals suffering from contagious disease.</li> </ul>	
		Fisheries
HIE 3FILI ICAR		<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> <li>Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion</li> </ul>

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5 Dr. Mahak Singh Scientist Ani		Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com	
Dr. Azeze Seyie Scientist Spices, Plantation & Medi		Spices, Plantation & Medicinal &		
6	6		Aromatic Plants	azezeseyie@yahoo.com
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## Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Tuensang District

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Weather summary of the preceding week	Weather forecast valid upto 22 <sup>nd</sup> Nov'17
■ No rain occurred the past week	■ Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 25°C - 26°C and the min temp 13°C to 15°C
$19^{0}$ C to $20^{0}$ C and $9^{0}$ C to $10^{0}$ C, respectively.	Sky is likely to be mainly clear the coming week
Relative humidity varied from 30% to 95%.	■ Relative Humidity is likely to range from 55% to 80%.
<ul> <li>Wind speed ranged from 3 to 4 kmph</li> </ul>	■ Wind speed may reach upto 2-4 kmph
	■ Wind direction will be mostly easterly
■ NDVI for Nagaland	

#### Field crops

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Jhum paddy	Post Harvesting stage		Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.
TRC/WRC paddy	Milk development stage	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.
Horticultural crop			

Use well dra	vell drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds				
Citrus		Fruit flies	Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate		
Vegetables			Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination		
Cauliflower, cabbage, broccoli, tomato			Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.		
Fruit trees			Farmers are advised for application of manure and fertilizer in orchards		
Ginger / turmeric	Maturity stage		Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.		
Vaccinatio	Livestock  Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals				
Poultry	<ul> <li>✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.</li> <li>✓ If possible there should be separate space for different age group of birds.</li> <li>✓ Sick bird should be immediately separated/ culled from healthy flock.</li> <li>Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected</li> </ul>				

	Piggery	<ul> <li>✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.</li> <li>✓ A separate house should be there to keep the animals suffering from contagious diseases.</li> </ul>	
	Fisheries		
на в при на при		<ul> <li>Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.</li> <li>Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion</li> </ul>	

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6			Aromatic Plants	azezeseyie@yahoo.com
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### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Wokha District

**Bulletin No:90/2017** 

Weather summary of the preceding week	Weather forecast valid upto 22 <sup>nd</sup> Nov'17
■ No rain occurred the past week	Probability of no rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be $29^{\circ}$ C - $30^{\circ}$ C and the min temp $17^{\circ}$ C to $19^{\circ}$ C
23°C to 24°C and 12°C to 13°C, respectively.	Sky is likely to be mainly clear the coming week
■ Relative humidity varied from 43% to 92%.	■ Relative Humidity is likely to range from 37% to 90%.
■ Wind speed ranged from 4 to 5 kmph	■ Wind speed may reach upto 4- 5 kmph
	Wind direction will be mostly southeasterly
■ NDVI for Nagaland	
	Field aroung

#### Field crops

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Jhum paddy	Post Harvesting stage		Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.
TRC/WRC paddy	Milk development stage	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.

Horticultural crop					
Use well drain	ned soils, field sanitation	n should be maintained. Seed bed should be in good tilth, free from diseases and weeds.			
Citrus	Fruit flies  Once fruit is stung it is too late for anything but planning for a be result next year! You can check fruit for tiny dimples or weeping c sap. Remove and destroy any stung fruit, it is more effective to do straight away than picking up rotten fruit from the ground as maggots may have already left the fruit to pupate				
Vegetables		Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination			
Cauliflower, cabbage, broccoli, tomato		Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.			
Fruit trees		Farmers are advised for application of manure and fertilizer in orchards			
Ginger / turmeric	Maturity stage	Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.			
Livestock  Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals					
Poultry	animals  ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.  ✓ If possible there should be separate space for different age group of birds.  ✓ Sick bird should be immediately separated/ culled from healthy flock.				

		Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected		
	Piggery	✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		✓ A separate house should be there to keep the animals suffering from contagious diseases.		
	Fisheries			
		Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water		
ICAR		surface.		
		Check the movement of the fish every day. If abnormal behavior is observed consult an expert for		

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### Integrated Agromet Advisory Service Bulletin from 18<sup>th</sup> to 22<sup>nd</sup> Nov'17 Zunheboto District

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<ul> <li>Weather summary of the preceding week</li> <li>No rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 21°C to 22°C and 9°C to 11°C, respectively.</li> <li>Relative humidity varied from 37% to 95%.</li> <li>Wind speed ranged from 4 to 5 kmph</li> </ul>			Weather forecast valid upto 22 <sup>nd</sup> Nov'17
			<ul> <li>Probability of no rain the coming week.</li> <li>Max temp is likely to be 25°C - 26°C and the min temp 13°C to 15°C</li> <li>Sky is likely to be mainly clear the coming week</li> <li>Relative Humidity is likely to range from 55% to 80%.</li> <li>Wind speed may reach upto 2-4 kmph</li> <li>Wind direction will be mostly easterly</li> </ul>
■ NDVI for Nag	aland		
			Field crops
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Post Harvesting stage		Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.
TRC/WRC paddy	Milk development stage	Grasshopper	It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.
Toria	Land preparation	-	Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region
Rabi maize	Land preparation		Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder

			and RCM-76.
Use well dra	ained soils, field san	itation should b	Horticultural crop e maintained. Seed bed should be in good tilth, free from diseases and weeds.
Citrus		Fruit flies	Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate
Vegetables			Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination
Cauliflower, cabbage, broccoli, tomato			Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.
Fruit trees			Farmers are advised for application of manure and fertilizer in orchards
Ginger / turmeric	Maturity stage		Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.
	6	1	Livestock
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals  Poultry ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.			

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		✓ If possible there should be separate space for different age group of birds.		
	✓ Sick bird should be immediately separated/ culled from healthy flock.			
		Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected		
	<i>Piggery</i> ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure vaccination of pigs.			
		✓ A separate house should be there to keep the animals suffering from contagious diseases.		
		Fisheries		
		Prune branches of trees around pond embankment to allow sunlight to fall directly on pond water surface.		
भाकुअनुप		Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion		

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