



Integrated Agromet Advisory Service Bulletin from 18th to 22nd Nov'17

Dimapur District

Bulletin No:90/2017

Weather summary of the preceding week

- No rain occurred the past week
- Maximum and minimum temperatures ranged 29^oC to 30^oC and 15^oC to 17^oC, respectively.
- Relative humidity varied from 40% to 88%.
- Wind speed ranged from 3 to 4 kmph

- NDVI for Nagaland

Weather forecast valid upto 22nd Nov'17

- Probability of no rain the coming week.
- **Max temp** is likely to be 29^oC - 30^oC and the **min temp** 16^oC to 17^oC
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 46% to 88%.
- **Wind speed** may reach upto 2- 3 kmph
Wind direction will be mostly north easterly

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

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	<i>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>
Vegetables			<i>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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry			<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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 style="list-style-type: none"> • 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

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
2	Dr. L.K. Baishya	Senior Scientist	Agronomy	lkbicar@gmail.com
3	Ph. Romen Sharma	Scientist	Agricultural Extension	romen.agext@gmail.com
4	Dr. Rajesha G	Scientist	Plant Pathology	rajeshag337@gmail.com
5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
6	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal & Aromatic Plants	azezeseyie@yahoo.com
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 18th to 22nd Nov'17

Kiphire District

Bulletin No:90/2017

Weather summary of the preceding week

- No rain occurred the past week
- Maximum and minimum temperatures ranged 23⁰C to 25⁰C and 11⁰C to 13⁰C, respectively.
- Relative humidity varied from 26% to 88%.
- Wind speed ranged from 3 to 4 kmph

- NDVI for Nagaland

Weather forecast valid upto 22nd Nov'17

- Probability of no rain the coming week.
- **Max temp** is likely to be 26⁰C - 27⁰C and the **min temp** 13⁰C to 14⁰C
- **Sky is likely to be clear** the coming week
- **Relative Humidity** is likely to range from 31% to 85%.
- **Wind speed** may reach upto 2 kmph
- **Wind direction** will be easterly

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

Horticultural crop

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

<i>Citrus</i>		Fruit flies	<i>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</i>
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			<i>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>
Vegetables			<i>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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry	<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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 surface.
- Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
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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 18th to 22nd Nov'17 Kohima District

Bulletin No:90/2017

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 22nd Nov'17</i>
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Maximum and minimum temperatures ranged 21^oC to 22^oC and 14^oC to 15^oC, respectively. ▪ Relative humidity varied from 37% to 95%. ▪ Wind speed ranged from 3 to 4 kmph 			<ul style="list-style-type: none"> ▪ Probability of no rain the coming week. ▪ Max temp is likely to be 23^oC - 25^oC and the min temp 10^oC to 13^oC ▪ Sky is likely to be partly cloudy the coming week ▪ Relative Humidity is likely to range from 45% to 89%. ▪ Wind speed may reach upto 2-3 kmph Wind direction will be mostly easterly
<ul style="list-style-type: none"> ▪ NDVI for Nagaland 			
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>
<i>Horticultural crop</i>			

Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.			
Citrus		Fruit flies	<i>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>
Vegetables			<i>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 Chlorpyrifos 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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry	<ul style="list-style-type: none"> ✓ 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. 		

		<ul style="list-style-type: none"> ✓ Sick bird should be immediately separated/ culled from healthy flock. • Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected
	Piggery	<ul style="list-style-type: none"> ✓ 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.
	<i>Fisheries</i>	
		<ul style="list-style-type: none"> • 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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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 18th to 22nd Nov'17 Longleng District

Bulletin No:90/2017

<i>Weather summary of the preceding week</i>	<i>Weather forecast valid upto 22nd Nov'17</i>
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Maximum and minimum temperatures ranged 26^oC to 27^oC and 15^oC to 17^oC, respectively. ▪ Relative humidity varied from 60% to 95%. ▪ Wind speed ranged from 1 to 2 kmph 	<ul style="list-style-type: none"> ▪ Probability of no rain the coming week. ▪ Max temp is likely to be 25^oC - 27^oC and the min temp 12^oC to 13^oC ▪ Sky is likely to be mainly clear the coming week ▪ Relative Humidity is likely to range from 49% to 82%. ▪ Wind speed may reach upto 2-3 kmph ▪ Wind direction will be mostly easterly
<ul style="list-style-type: none"> ▪ NDVI for Nagaland 	

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

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	<i>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>
Vegetables			<i>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 Chlorpyrifos 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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry	<ul style="list-style-type: none"> ✓ 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 		

	<i>Piggery</i>	<ul style="list-style-type: none"> ✓ 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.
<i>Fisheries</i>		
 <p>भारतीय ICAR</p>		<ul style="list-style-type: none"> • 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

SCIENTIFIC EXPERT COMMITTEE

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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 18th to 22nd Nov'17

Mokokchung District

Bulletin No:90/2017

<i>Weather summary of the preceding week</i>	<i>Weather forecast valid upto 12th Nov'17</i>
<ul style="list-style-type: none"> ▪ No rain occurred the past week ▪ Maximum and minimum temperatures ranged 24^oC to 26^oC and 14^oC to 15^oC, respectively. ▪ Relative humidity varied from 42% to 90%. ▪ Wind speed ranged from 3 to 5 kmph 	<ul style="list-style-type: none"> ▪ Probability of no rain the coming week. ▪ Max temp is likely to be 26^oC - 27^oC and the min temp 13^oC to 14^oC ▪ Sky is likely to be mainly clear the coming week ▪ Relative Humidity is likely to range from 31% to 85%. ▪ Wind speed may reach upto 2 kmph ▪ Wind direction will be mostly easterly
<ul style="list-style-type: none"> ▪ NDVI for Nagaland 	

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

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	<i>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>
Vegetables			<i>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 Chlorpyrifos 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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry	<ul style="list-style-type: none"> ✓ 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 surface.
- Check the movement of the fish every day. If abnormal behavior is observed consult an expert for suggestion

SCIENTIFIC EXPERT COMMITTEE

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Integrated Agromet Advisory Service Bulletin from 18th to 22nd Nov'17 Mon District

Bulletin No:90/2017

Weather summary of the preceding week

- No rain occurred the past week
- Maximum and minimum temperatures ranged 23^oC to 24^oC and 12^oC to 14^oC, respectively.
- Relative humidity varied from 36% to 95%
- Wind speed ranged from 5 to 6 kmph

Weather forecast valid upto 22nd Nov'17

- Probability of no rain the coming week.
- **Max temp** is likely to be 27^oC - 28^oC and the **min temp** 13^oC to 15^oC
- **Sky is likely to be mainly clear** the coming week
- **Relative Humidity** is likely to range from 47% to 80%.
- **Wind speed** may reach upto 0- 6 kmph
- **Wind direction** will be southeasterly

- NDVI for Nagaland

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

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	<i>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>
Vegetables			<i>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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry			<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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 style="list-style-type: none"> • 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

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
2	Dr. L.K. Baishya	Senior Scientist	Agronomy	lkbicar@gmail.com
3	Ph. Romen Sharma	Scientist	Agricultural Extension	romen.agext@gmail.com
4	Dr. Rajesha G	Scientist	Plant Pathology	rajeshag337@gmail.com
5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
6	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal & Aromatic Plants	azezeseyie@yahoo.com
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 18th to 22nd Nov'17

Peren District

Bulletin No:90/2017

Weather summary of the preceding week

- No rain occurred the past week
- Maximum and minimum temperatures ranged 22^oC to 24^oC and 12^oC to 14^oC, respectively.
- Relative humidity varied from 39% to 95%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 22nd Nov'17

- Probability of no rain the coming week.
- **Max temp** is likely to be 24^oC - 25^oC and the **min temp** 13^oC to 15^oC
- **Sky is likely to be mainly clear** the coming week
- **Relative Humidity** is likely to range from 48% to 80%.
- **Wind speed** may reach upto 2-3 kmph
- **Wind direction** will be easterly

- NDVI for Nagaland

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

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	<i>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>
Vegetables			<i>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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry	<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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.
<i>Fisheries</i>	
	<ul style="list-style-type: none"> • 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

SCIENTIFIC EXPERT COMMITTEE

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2	Dr. L.K. Baishya	Senior Scientist	Agronomy	lkbicar@gmail.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 18th to 22nd Nov'17 Phek District

Bulletin No:90/2017

<i>Weather summary of the preceding week</i>		<i>Weather forecast valid upto 22nd Nov'17</i>	
<ul style="list-style-type: none"> ▪ No rain occurred the past week ▪ Maximum and minimum temperatures ranged 22^oC to 23^oC and 11^oC to 12^oC, respectively. ▪ Relative humidity varied from 30% to 95%. ▪ Wind speed ranged from 1 to 2 kmph 		<ul style="list-style-type: none"> ▪ Probability of no rain the coming week. ▪ Max temp is likely to be 24^oC - 25^oC and the min temp 13^oC to 14^oC ▪ Sky is likely to be mainly clear the coming week ▪ Relative Humidity is likely to range from 44% to 92%. ▪ Wind speed may reach upto 0-2 kmph ▪ Wind direction will be mostly southeasterly 	
<ul style="list-style-type: none"> ▪ NDVI for Nagaland 			
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

			<i>Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.</i>
<i>Horticultural crop</i>			
Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.			
<i>Citrus</i>		Fruit flies	<i>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>
<i>Vegetables</i>			<i>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</i>
<i>Cauliflower, cabbage, broccoli, tomato</i>			<i>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.</i>
<i>Fruit trees</i>			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
<i>Ginger / turmeric</i>	Maturity stage		<i>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.</i>
<i>Livestock</i>			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
<i>Poultry</i>	✓	As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.	

		<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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 style="list-style-type: none"> • 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

SCIENTIFIC EXPERT COMMITTEE

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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 18th to 22nd Nov'17 Tuensang District

Bulletin No:90/2017

Weather summary of the preceding week

- No rain occurred the past week
- Maximum and minimum temperatures ranged 19⁰C to 20⁰C and 9⁰C to 10⁰C, respectively.
- Relative humidity varied from 30% to 95%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 22nd Nov'17

- Probability of no rain the coming week.
- **Max temp** is likely to be 25⁰C - 26⁰C and the **min temp** 13⁰C to 15⁰C
- **Sky is likely to be mainly clear** the coming week
- **Relative Humidity** is likely to range from 55% to 80%.
- **Wind speed** may reach upto 2-4 kmph
- **Wind direction** will be mostly easterly

- NDVI for Nagaland

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

Horticultural crop

ICAR RESEARCH COMPLEX FOR NEH REGION
 (Indian Council of Agricultural Research)
 NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA

Use well drained soils, field sanitation should be maintained. Seed bed should be in good tilth, free from diseases and weeds.			
Citrus		Fruit flies	<i>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>
Vegetables			<i>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 Chlorpyrifos 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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry	<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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 style="list-style-type: none"> • 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 18th to 22nd Nov'17

Wokha District

Bulletin No:90/2017

Weather summary of the preceding week

- No rain occurred the past week
- Maximum and minimum temperatures ranged 23⁰C to 24⁰C and 12⁰C to 13⁰C, respectively.
- Relative humidity varied from 43% to 92%.
- Wind speed ranged from 4 to 5 kmph

- NDVI for Nagaland

Weather forecast valid upto 22nd Nov'17

- Probability of no rain the coming week.
- **Max temp** is likely to be 29⁰C - 30⁰C and the **min temp** 17⁰C to 19⁰C
- **Sky is likely to be mainly clear** the coming week
- **Relative Humidity** is likely to range from 37% to 90%.
- **Wind speed** may reach upto 4- 5 kmph
- **Wind direction** will be mostly southeasterly

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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.</i>

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 NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA

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	<i>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>
Vegetables			<i>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 Chlorpyrifos 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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
Livestock			
Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals			
Poultry			<ul style="list-style-type: none"> ✓ 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.

		<ul style="list-style-type: none"> • Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected
	Piggery	<ul style="list-style-type: none"> ✓ 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 style="list-style-type: none"> • 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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भारत कृषि अनुसंधान परिषद
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ICAR RESEARCH COMPLEX FOR NEH REGION
(Indian Council of Agricultural Research)
NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA

Integrated Agromet Advisory Service Bulletin from 18th to 22nd Nov'17 Zunheboto District

Bulletin No:90/2017

<i>Weather summary of the preceding week</i>		<i>Weather forecast valid upto 22nd Nov'17</i>	
<ul style="list-style-type: none"> ▪ No rain occurred the past week ▪ Maximum and minimum temperatures ranged 21⁰C to 22⁰C and 9⁰C to 11⁰C, respectively. ▪ Relative humidity varied from 37% to 95%. ▪ Wind speed ranged from 4 to 5 kmph 		<ul style="list-style-type: none"> ▪ Probability of no rain the coming week. ▪ Max temp is likely to be 25⁰C - 26⁰C and the min temp 13⁰C to 15⁰C ▪ Sky is likely to be mainly clear the coming week ▪ Relative Humidity is likely to range from 55% to 80%. ▪ Wind speed may reach upto 2-4 kmph ▪ Wind direction will be mostly easterly 	
<ul style="list-style-type: none"> ▪ NDVI for Nagaland 			
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Post Harvesting stage		<i>Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.</i>
<i>TRC/WRC paddy</i>	Milk development stage	Grasshopper	<i>It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.</i>
<i>Toria</i>	Land preparation	-	<i>Field preparation should be started for toria and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region</i>
<i>Rabi maize</i>	Land preparation		<i>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</i>

			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	<i>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>
Vegetables			<i>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</i>
Cauliflower, cabbage, broccoli, tomato			<i>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.</i>
Fruit trees			<i>Farmers are advised for application of manure and fertilizer in orchards</i>
Ginger / turmeric	Maturity stage		<i>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.</i>
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.	

		<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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 style="list-style-type: none"> • 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

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
2	Dr. L.K. Baishya	Senior Scientist	Agronomy	lkbicar@gmail.com
3	Ph. Romen Sharma	Scientist	Agricultural Extension	romen.agext@gmail.com
4	Dr. Rajesha G	Scientist	Plant Pathology	rajeshag337@gmail.com
5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
6	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal & Aromatic Plants	azezeseyie@yahoo.com
7	Jyotish Barman	Scientist	Fisheries Resource Management	jyotish5@gmail.com
8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com

