



Agro Advisory Bulletin – East Garo Hills **(Period 23rd – 27th August, 2017)**

Weather summary of the past five days

Weather forecast valid up to 27th August, 2017

Sky was partly cloudy with 52.0mm rainfall. Maximum temperatures ranged between 30-32°C and minimum ranged between 23-24°C. Relative humidity was 87-89% in morning and 60-68% in evening. Wind speed ranged between: 4-5 kmph.

The possibility of Rainfall is 46.0mm for the next five days. Maximum Temp: 30-33°C, Minimum Temp: 23-24°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 83-88%, Minimum RH: 58-66%, Wind speed: 4-6 Kmph, Wind direction: East-South.

Weekly cumulative rainfall : 46.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	AS Tilling		<ul style="list-style-type: none"> First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. Make proper bunds in rice field. First top dressing with urea should be given at active tillering stage. Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage	Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle	<ul style="list-style-type: none"> Provide good channels for removing excess water to avoid water stagnation in the field. First hand weeding should be taken up at 15DAS depending on the weed population & 2nd weeding at 40 DAS. For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.
Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing



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			<p>boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval.</p> <ul style="list-style-type: none"> • Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> • Second weeding & earthing up operation may be carried out. • Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. • Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> • Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> • To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
C & RD BLOCK MAP OF MEGHALAYA			
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> • As the day temperature has increased keep the poultry house well ventilated during day time. • Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. • Litter should be change periodically and provide clean drinking water and changed the water every day. • Diseased and dead birds should be immediately removed. • Regularly inspect the droppings of the poultry birds for any diseases symptom.
		Coccidiosis	<ul style="list-style-type: none"> • Provide plenty of fresh and clean drinking water. • Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> • Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> • Keep the pig stay/shed dry and clean and avoid dampness during rainy season. • Repair the roof of pig stay to protect from rain. • Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. • In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. • Iron supplementation in piglet to prevent



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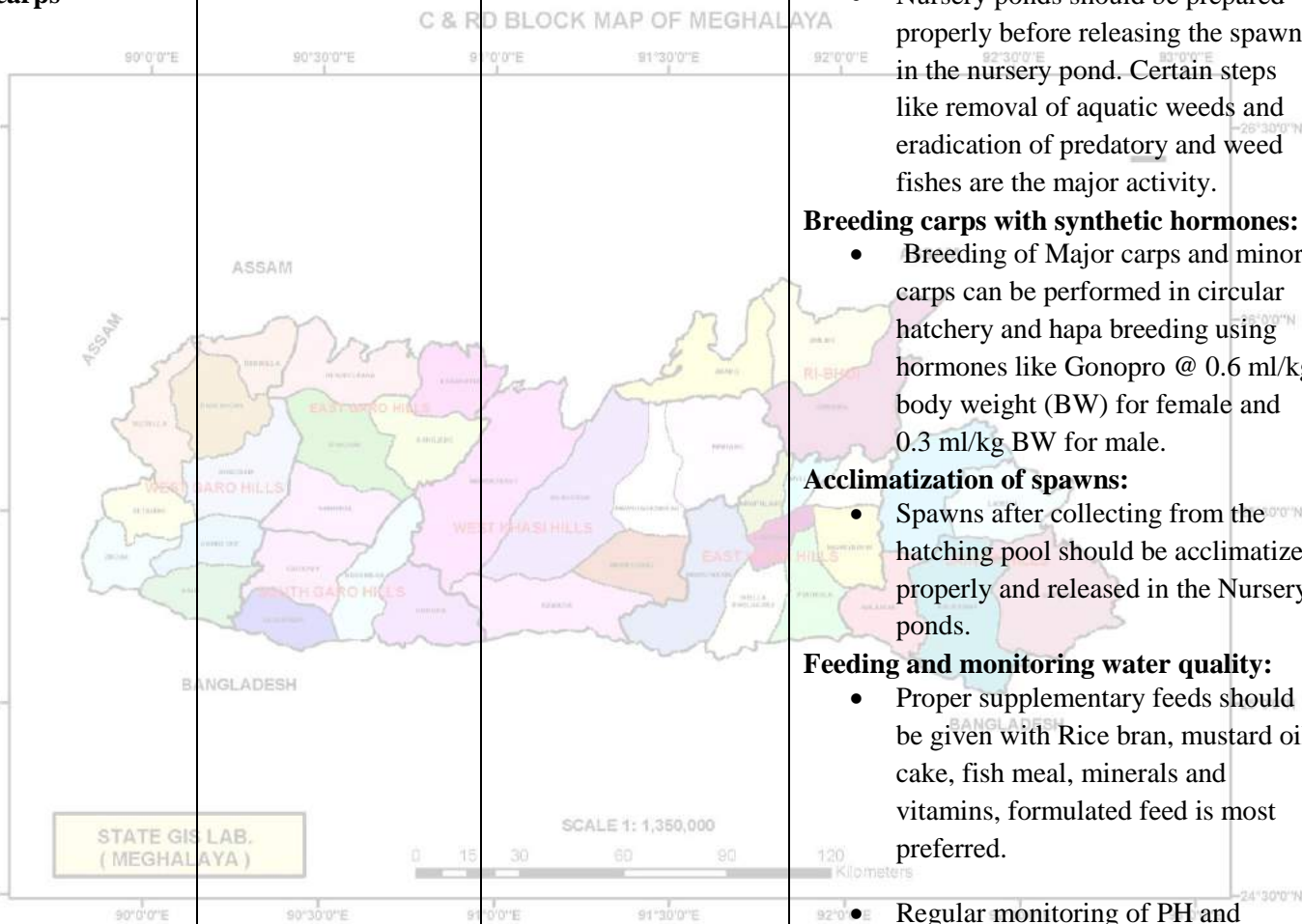


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			from piglet anaemia during 1 st week of age.
		Skin infection	<ul style="list-style-type: none"> • Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> • Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> • Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

All major carps and minor carps	Brooders	Breeding season	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> • Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> • Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> • Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> • Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. • Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – EAST JAINTIA HILLS
(Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 72.0mm for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 21-22°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 94-95%, Minimum RH: 58-65%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 72.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. Make proper bunds in rice field. First top dressing with urea should be given at active tillering stage. Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		<ul style="list-style-type: none"> Provide good channels for removing excess water to avoid water stagnation in the field. First hand weeding should be taken up at 15DAS depending on the weed population & 2nd weeding at 40 DAS.
Dolichos bean	Seed sowing	Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle	<ul style="list-style-type: none"> For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.
			<ul style="list-style-type: none"> Harvest the maturing of mature fruit.



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			<ul style="list-style-type: none"> For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
			<p>Coccidiosis</p> <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
			<p>Ranikhet disease</p> <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent



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		Skin infection	from piglet anaemia during 1 st week of age. <ul style="list-style-type: none"> • Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> • Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> • Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

All major carps and minor carps	Brooders	Breeding season	Nursery pond preparation:
			<ul style="list-style-type: none"> • Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> • Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> • Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> • Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. • Regular monitoring of PH and dissolved oxygen to maintain the water quality.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – EAST KHASI HILLS
(Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 97.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 16-17°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 89-92%, Minimum RH: 61-67%, Wind speed: 3-4 Kmph, Wind direction: Southeast.

Weekly cumulative rainfall : 97.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. Make proper bunds in rice field. First top dressing with urea should be given at active tillering stage. Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		<p align="center">SCALE 1: 1,350,000</p> <p>Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle</p>
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> • Harvest the maturing of mature fruit. • For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. • Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> • Second weeding & earthing up operation may be carried out. • Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. • Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> • Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> • To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> • Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. • Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. • Litter should be changed periodically and provide clean drinking water and change the water every day. • Diseased and dead birds should be immediately removed. • Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> • Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. • In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.
		Coccidiosis	<ul style="list-style-type: none"> • Provide plenty of fresh and clean drinking water. • Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> • Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p>	<p>C & RD BLOCK</p> <p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – NORTH GARO HILLS **(Period 23rd – 27th August, 2017)**

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 45.0mm for the next five days. Maximum Temp: 29-32°C, Minimum Temp: 23-24°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 83-86%, Minimum RH: 57-69%, Wind speed: 3-6 Kmph, Wind direction: East-South.

Weekly cumulative rainfall : 45.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. Make proper bunds in rice field. First top dressing with urea should be given at active tillering stage. Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		<p align="center">SCALE 1: 1,350,000</p> <p>Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle</p>
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.
		Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p> <p align="center">C & RD BLOCK</p>	<p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – Ri-Bhoi
(Period 23rd – 27th August, 2017)

Weather summary of the past four days

Sky was mainly cloudy with 45.3mm of rainfall. Maximum temperatures ranged between 27.5-28.3°C and minimum ranged between 20.0 - 20.5°C. Mean relative humidity was 91-95% in morning and 64-80% in evening. Wind speed ranged between 2-4 kmph.

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 51.0mm for the next five days. Maximum Temp: 29.0-32.0°C, Minimum Temp: 21.0-22.0°C, Cloud cover: sky will be mainly cloudy i.e. 4-8 Okta, Maximum RH: 92-94%, Minimum RH: 61-71%, Wind speed: 3-4 Kmph, Wind direction: Southeast-South.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 51.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> • First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. • Make proper bunds in rice field. • First top dressing with urea should be given at active tillering stage. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage	Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle	<ul style="list-style-type: none"> • Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population & 2nd weeding at 40 DAS. • For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit



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Dolichos bean	Seed sowing	<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing	<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting	<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.
Brinjal	Harvesting	<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage	<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage	<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. Control Trunk borer: <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences		
Poultry	All stages	<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.



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		Coccidiosis	<ul style="list-style-type: none"> • Provide plenty of fresh and clean drinking water. • Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> • Vaccinate the poultry birds with F1/Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> • Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. • In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. • Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> • Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> • Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> • Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
Fishery			
All major carps and minor carps	Brooders	Breeding season	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> • Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> • Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p>



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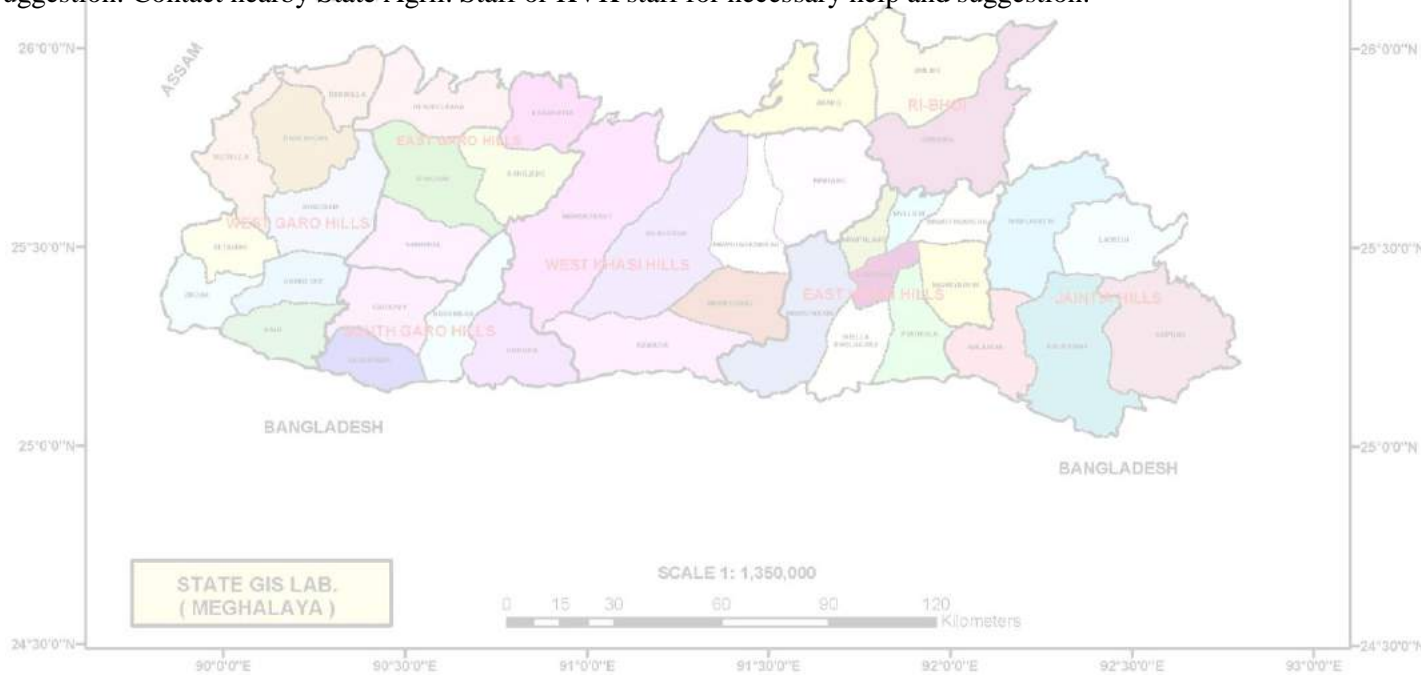
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	<p>C & RD BLOCK MAP OF MEGHALAYA</p>	<ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – SOUTH GARO HILLS
(Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 49.0mm for the next five days. Maximum Temp: 30-33°C, Minimum Temp: 23-24°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 84-90%, Minimum RH: 58-65%, Wind speed: 5-6 Kmph, Wind direction: East-South.

Weekly cumulative rainfall : 49.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> • First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. • Make proper bunds in rice field. • First top dressing with urea should be given at active tillering stage. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		<p align="center">SCALE 1: 1,350,000</p> <p>Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle</p>
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> • Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> • Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> • Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p>	<p>C & RD BLOCK</p> <p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – SOUTH WEST GARO HILLS (Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 43.0mm for the next five days. Maximum Temp: 32-34°C, Minimum Temp: 25-26°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 82-87%, Minimum RH: 58-68%, Wind speed: 2-6 Kmph, Wind direction: East-Southwest.

Weekly cumulative rainfall : 43.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. Make proper bunds in rice field. First top dressing with urea should be given at active tillering stage. Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.
		Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p>	<p>C & RD BLOCK</p> <p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – SOUTH WEST KHASI HILLS (Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 52.0mm for the next five days. Maximum Temp: 25-27°C, Minimum Temp: 20-21°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 86-91%, Minimum RH: 58-64%, Wind speed: 4-5 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 52.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. Make proper bunds in rice field. First top dressing with urea should be given at active tillering stage. Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p>	<p>C & RD BLOCK</p> <p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – WEST GARO HILLS (Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 42.0mm for the next five days. Maximum Temp: 30-32°C, Minimum Temp: 24-25°C, Cloud cover: sky will be mainly cloudy i.e. 6-8 Okta, Maximum RH: 81-88%, Minimum RH: 58-65%, Wind speed: 5-7 Kmph, Wind direction: Southeast-South.

Weekly cumulative rainfall : 42.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. Make proper bunds in rice field. First top dressing with urea should be given at active tillering stage. Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p>	<p>C & RD BLOCK</p> <p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – WEST JAINTIA HILLS (Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 79.0mm for the next five days. Maximum Temp: 30-31°C, Minimum Temp: 20-21°C, Cloud cover: sky will be mainly cloudy i.e. 4-8 Okta, Maximum RH: 93-95%, Minimum RH: 62-67%, Wind speed: 3-4 Kmph, Wind direction: Southeast.

Weekly cumulative rainfall : 79.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

28°30'0"N 25°30'0"N 25°0'0"N 24°30'0"N

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	ASSAM Stage	Pest/Diseases	ASSAM Agricultural Advisories
Sali/Kharif Rice	Tillering 		<ul style="list-style-type: none"> • First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. • Make proper bunds in rice field. • First top dressing with urea should be given at active tillering stage. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage 	Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle	<ul style="list-style-type: none"> • Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population & 2nd weeding at 40 DAS. • For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> • Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> • Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> • Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p>	<p>C & RD BLOCK</p> <p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



Agro Advisory Bulletin – WEST KHASI HILLS (Period 23rd – 27th August, 2017)

Weather forecast valid up to 27th August, 2017

The possibility of Rainfall is 56.0mm for the next five days. Maximum Temp: 26-27°C, Minimum Temp: 19-20°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 86-90%, Minimum RH: 59-68%, Wind speed: 4-5 Kmph, Wind direction: Southeast-South.

Weekly cumulative rainfall : 56.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Tillering		<ul style="list-style-type: none"> • First hand weeding at 15-20 days after transplanting & second hand weeding at 30 days after transplanting or If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows. • Make proper bunds in rice field. • First top dressing with urea should be given at active tillering stage. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage.
Soyabean	Vegetative stage		<p align="center">SCALE 1: 1,350,000</p> <p>Hairy caterpillar/ Semi looper/ Leaf roller/ Flea beetle</p>
Dolichos bean	Seed sowing		<ul style="list-style-type: none"> • Make the pit at 90x90 cm & add the FYM & chemical fertilizer & sow 2-3 seed per pit.
French bean/Rajmash/cowpea	Seed sowing		<ul style="list-style-type: none"> • Sowing can be done during August – September at 30cm row to row 15cm plant to plant.
Cucurbits (Bottle Gourd, Ash Gourd & Pumpkin)	Harvesting		<ul style="list-style-type: none"> • Harvest fruits at 15-20 days after flowering.



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Brinjal	Harvesting		<ul style="list-style-type: none"> Harvest the maturing of mature fruit. For management of shoot & fruit borer, remove the affected terminal shoot showing boreholes, fruit & destroy. Spray neem Kernal Extract 5% at 15 days interval. Burnt the infected fruit & shoots.
Ginger/Turmeric	Vegetative stage		<ul style="list-style-type: none"> Second weeding & earthing up operation may be carried out. Manuring & fertilizer: Apply 1/3 of recommended dose i.e. 20:30:20 NPK kg/ha. Start intercropping with leguminous crops.
Khasi Mandarin	Fruiting stage		<ul style="list-style-type: none"> Application of Bordeaux paste on tree trunk (up to 60 cm height from ground level) and repeat the spray schedule of June-July month. <p>Control Trunk borer:</p> <ul style="list-style-type: none"> To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol/Dichloroves or inject 5 ml of Dichloroves @ 0.2% (2ml/l) and plug with mud.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.



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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>All major carps and minor carps</p>	<p>Brooders</p>	<p>C & RD BLOCK</p> <p>Breeding season</p>	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity. <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: none"> Breeding of Major carps and minor carps can be performed in circular hatchery and hapa breeding using hormones like Gonopro @ 0.6 ml/kg body weight (BW) for female and 0.3 ml/kg BW for male. <p>Acclimatization of spawns:</p> <ul style="list-style-type: none"> Spawns after collecting from the hatching pool should be acclimatized properly and released in the Nursery ponds. <p>Feeding and monitoring water quality:</p> <ul style="list-style-type: none"> Proper supplementary feeds should be given with Rice bran, mustard oil cake, fish meal, minerals and vitamins, formulated feed is most preferred. Regular monitoring of PH and dissolved oxygen to maintain the water quality.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.