



Agro Advisory Bulletin – East Garo Hills **(Period 11th – 15th October, 2017)**

Weather summery of the past five days

Weather forecast valid up to 15th October, 2017

Sky was partly cloudy with 38.0mm rainfall. Maximum temperatures ranged between 28-30°C and minimum ranged between 21-23°C. Relative humidity was 87-91% in morning and 59-83% in evening. Wind speed ranged between: 3-6 kmph.

The possibility of Rainfall is 64.0mm for the next five days. Maximum Temp: 28-31°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy i.e. 6-7 Okta, Maximum RH: 87-90%, Minimum RH: 60-71%, Wind speed: 2-6 Kmph, Wind direction: East-Southeast.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 64.0mm

Agro meteorological Advisories for coming 5 days

➤ Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Active tillering/Stem elongation stages		<ul style="list-style-type: none"> One hand weeding may be given if the field is infested with weeds. 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.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
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. One hand weeding may be given if weed infestation is more. For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> Do manual weeding & staking. Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the field. Undertake



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		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p> <p>Stem borer</p> <p>Soft rot</p>	<p>weeding.</p> <ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.

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.
			<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"> 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 from piglet anaemia during 1st week of age.
			<p>Skin infection</p> <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	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease,



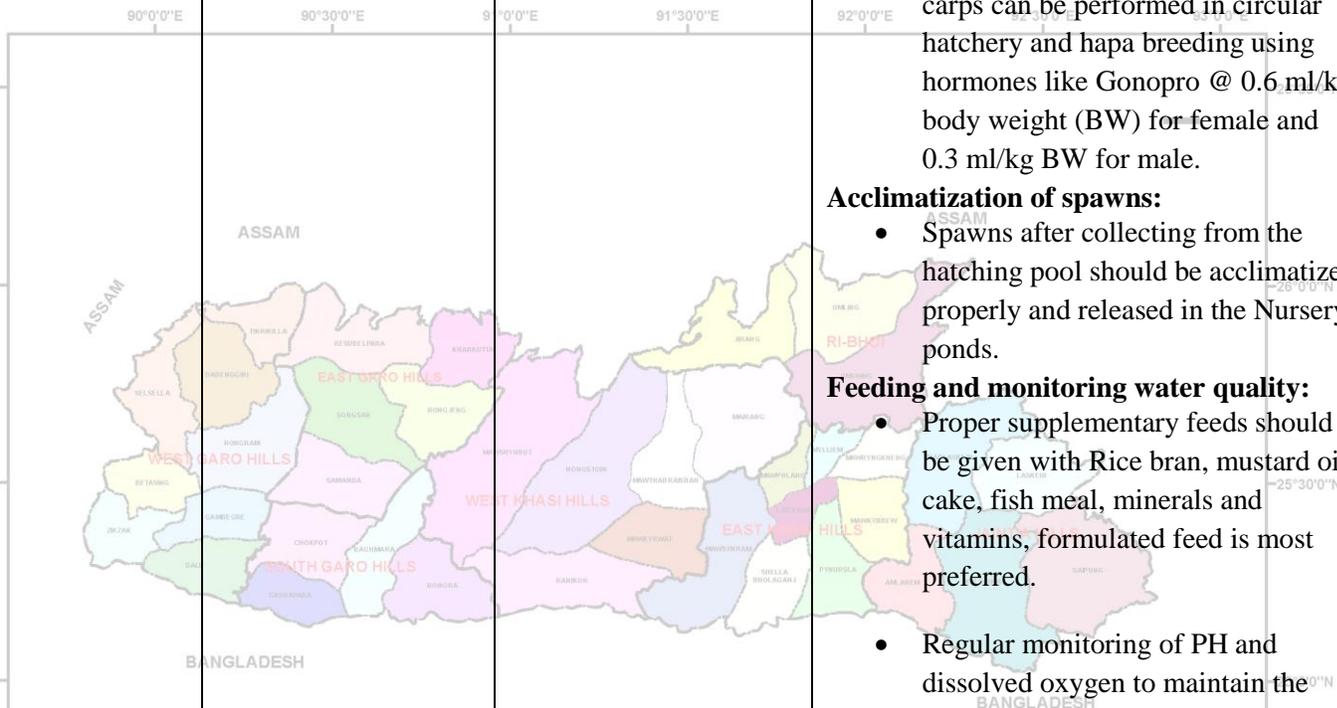
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		Septicaemia, Black Quarter	Haemorrhagic septicaemia & Black Quarter.
Fishery			
All major carps and minor carps	Brooders	Breeding season	<p>Nursery pond preparation:</p> <ul style="list-style-type: none"> Nursery ponds should be prepared properly 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.

C & RD BLOCK MAP OF MEGHALAYA



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

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000





Agro Advisory Bulletin – EAST JAINTIA HILLS **(Period 11th – 15th October, 2017)**

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 62.0mm for the next five days. Maximum Temp: 26-28°C, Minimum Temp: 19-21°C, Cloud cover: sky will be mainly cloudy i.e. 6-8 Okta, Maximum RH: 87-96%, Minimum RH: 54-67%, Wind speed: 2-3 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 62.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Panicle initiation/grain filling		<ul style="list-style-type: none"> Bird scaring should be taken care. Maintain a water level of 2-5 cm in the field. Monitor crop for swarming caterpillar attack.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
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. One hand weeding may be given if weed infestation is more. For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> Do manual weeding & staking. Harvest tender pods.
Ginger/ turmeric	Rhizome development stage	Leaf Spot	<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the field. Undertake weeding. To prevent Leaf Spot disease, apply



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		<p>Rhizome rot (ginger)</p> <p>Stem borer</p> <p>Soft rot</p>	<p>Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water.</p> <ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.

C & RD BLOCK MAP OF MEGHALAYA

Animal Sciences

	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.
Poultry 26°30'0"N 26°0'0"N 25°30'0"N 25°0'0"N		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.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Piggery 24°30'0"N	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.
		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.
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	Brooders	Breeding season	Nursery pond preparation:
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Agro Advisory Bulletin – EAST KHASI HILLS
(Period 11th – 15th October, 2017)

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 97.0mm for the next five days. Maximum Temp: 23-25°C, Minimum Temp: 15-16°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 84-92%, Minimum RH: 57-72%, Wind speed: 2-5 Kmph, Wind direction: East-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 —

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Panicle initiation/grain filling		<ul style="list-style-type: none"> Bird scaring should be taken care. Maintain a water level of 2-5 cm in the field. Monitor crop for swarming caterpillar attack.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
Soyabean	Vegetative stage		<ul style="list-style-type: none"> Provide good channels for removing excess water to avoid water stagnation in the field. One hand weeding may be given if weed infestation is more.
		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 Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> Do manual weeding & staking. Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the field. Undertake weeding.
		Leaf Spot	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply



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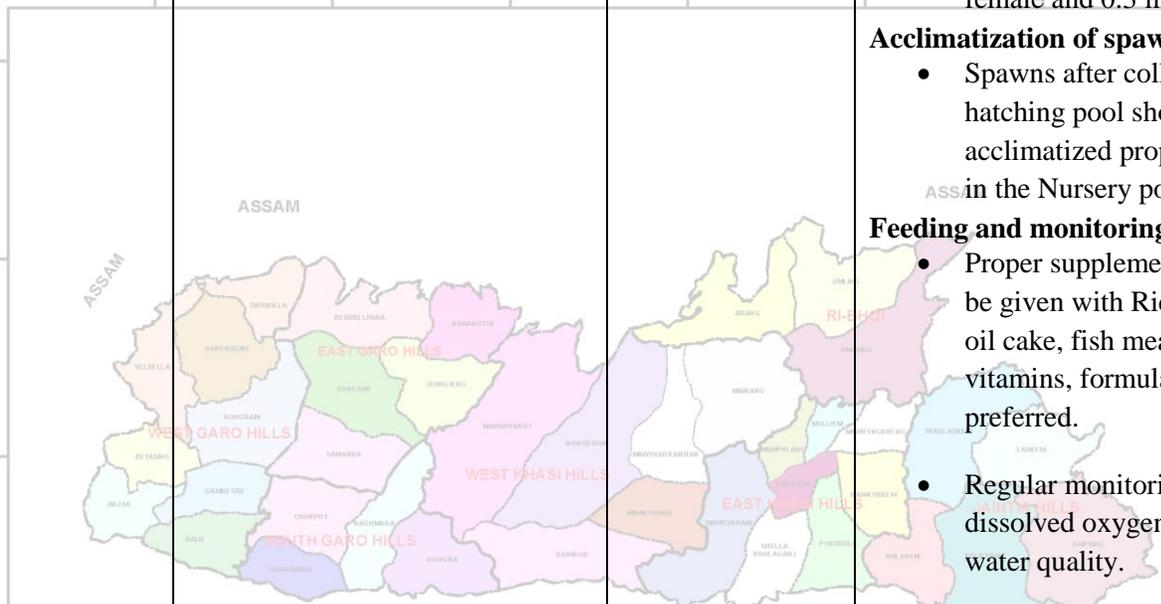
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		Rhizome rot (ginger) Stem borer Soft rot	<ul style="list-style-type: none"> Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.

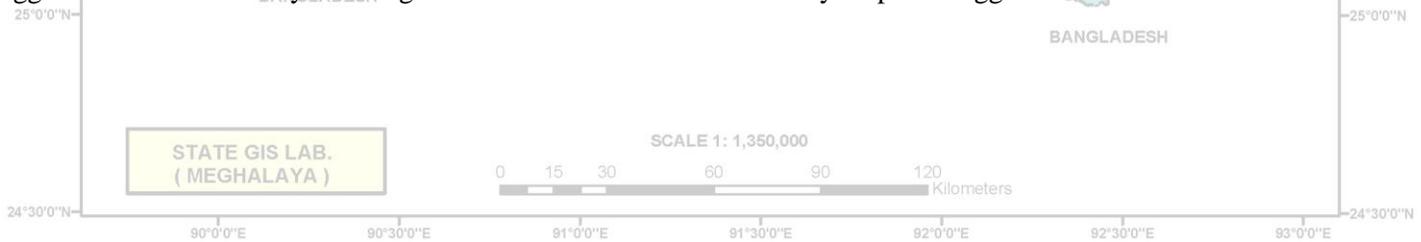
C & RD BLOCK MAP OF MEGHALAYA

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.
		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
			<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 Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery			
All major carps and	Brooders	Breeding season	Nursery pond preparation:

<p>minor carps</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 11th – 15th October, 2017)**

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 61.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy i.e. 6-7 Okta, Maximum RH: 88-91%, Minimum RH: 62-72%, Wind speed: 2-5 Kmph, Wind direction: East-South.

Weekly cumulative rainfall : 61.0mm

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 —

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Active tillering/Stem elongation stages		<ul style="list-style-type: none"> • One hand weeding may be given if the field is infested with weeds. • 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.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> • Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
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. • One hand weeding may be given if weed infestation is more. • For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> • Do manual weeding & staking. • Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Remove excess water and maintain proper drainage facilities in the field. Undertake



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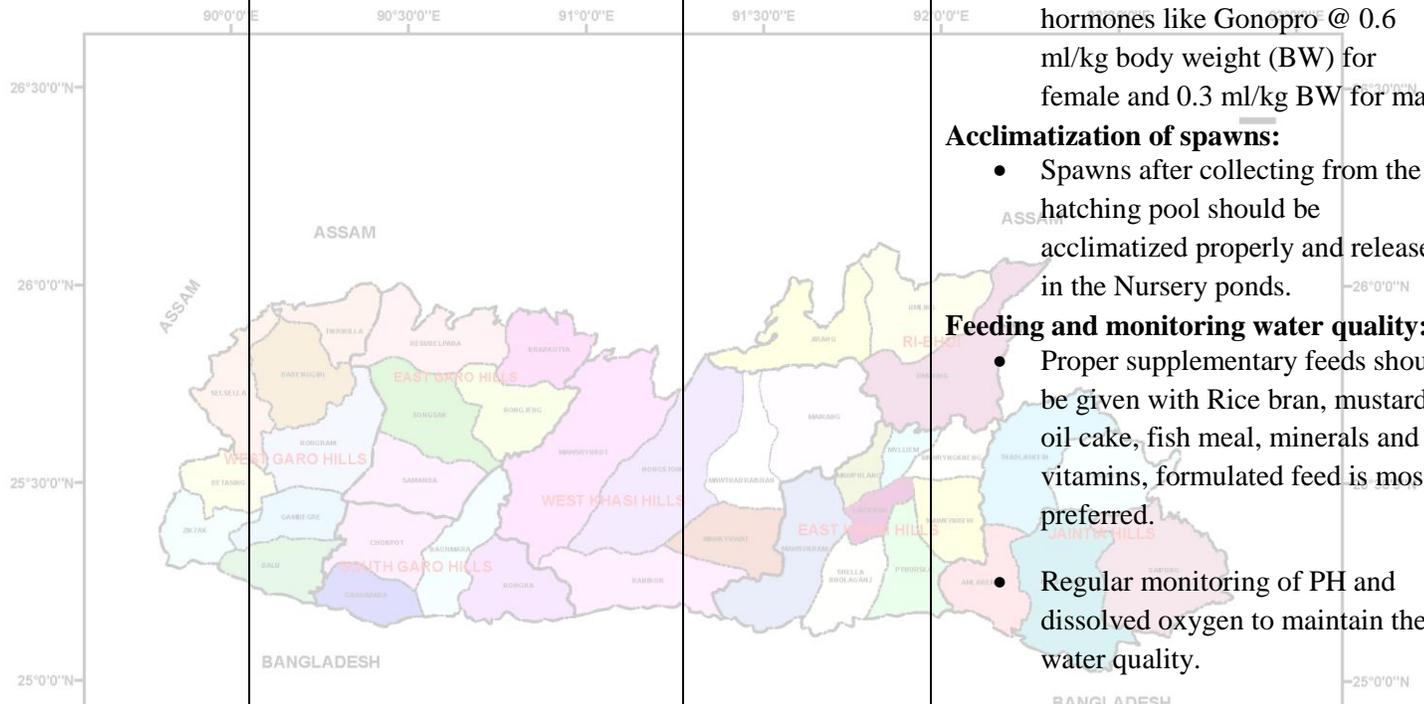


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		weeding.	
		Leaf Spot	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water.
		Rhizome rot (ginger)	<ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
		Stem borer Soft rot	<ul style="list-style-type: none"> Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.
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.
		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			
<p>All major carps and minor carps</p>	<p>Brooders</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.

C & RD BLOCK MAP OF MEGHALAYA



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



Agro Advisory Bulletin – Ri-Bhoi **(Period 11th – 15th October, 2017)**

Weather summary of the past four days

Sky was mainly cloudy with 46.1mm of rainfall. Maximum temperatures ranged between 27.0-30.8°C and minimum ranged between 18.2 – 19.0°C. Mean relative humidity was 92-96% in morning and 59-87% in evening. Wind speed ranged between 2-3 kmph.

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 52.0mm for the next five days. Maximum Temp: 27.0-30.0°C, Minimum Temp: 19.0-20.0°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 89-95%, Minimum RH: 60-81%, Wind speed: 2-3 Kmph, Wind direction: Southeast-South.

C & RD BLOCK MAP OF ASSAM

Weekly cumulative rainfall : 52.0mm

Agro meteorological Advisories for coming 5 days

➤ Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Panicle initiation/grain filling		<ul style="list-style-type: none"> Bird scaring should be taken care. Maintain a water level of 2-5 cm in the field. Monitor crop for swarming caterpillar attack.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> Sow the seeds of broccoli (var. pushpa, aishwarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
Soyabean	Vegetative stage		<ul style="list-style-type: none"> Provide good channels for removing excess water to avoid water stagnation in the field. One hand weeding may be given if weed infestation is more.
		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 Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> Do manual weeding & staking. Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000





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			field. Undertake weeding.
		<p>Leaf Spot</p> <ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. <p>Rhizome rot (ginger)</p> <ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. <p>Stem borer</p> <ul style="list-style-type: none"> Apply malathion 30EC @ 2ml/litre. <p>Soft rot</p> <ul style="list-style-type: none"> Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot. 	
Khasi Mandarin	Fruiting development stage	C & RD BLOCK MAP OF MEGHALAYA	<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.
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.
		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.



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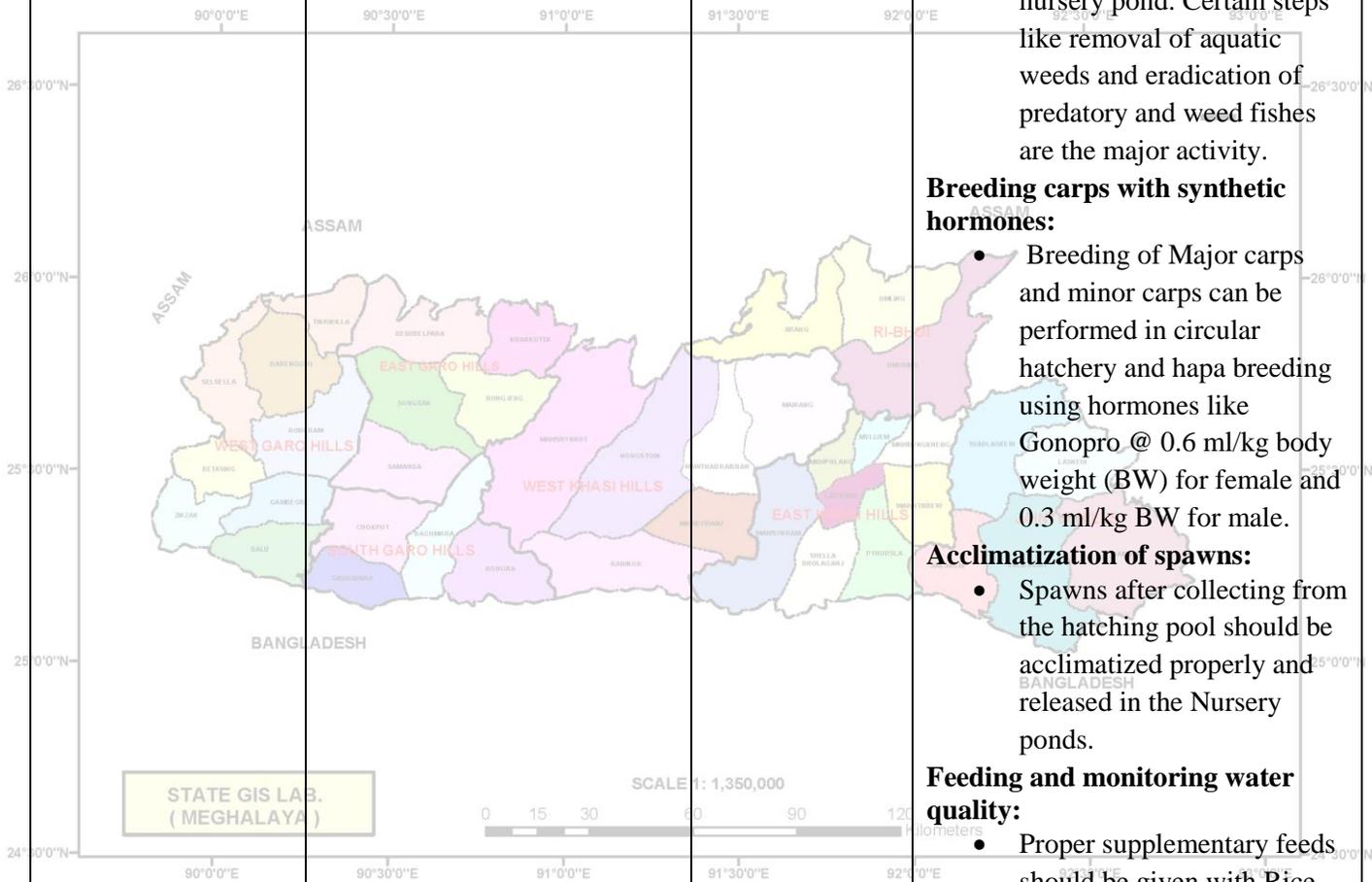
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Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black 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.

C & RD BLOCK MAP OF MEGHALAYA



STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000

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



Agro Advisory Bulletin – SOUTH GARO HILLS **(Period 11th – 15th October, 2017)**

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 69.0mm for the next five days. Maximum Temp: 29-32°C, Minimum Temp: 22-24°C, Cloud cover: sky will be mainly cloudy i.e. 6-8 Okta, Maximum RH: 87-90%, Minimum RH: 58-72%, Wind speed: 2-6 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 69.0mm

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

- . Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Active tillering/Stem elongation stages		<ul style="list-style-type: none"> • One hand weeding may be given if the field is infested with weeds. • 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.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> • Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
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. • One hand weeding may be given if weed infestation is more. • For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> • Do manual weeding & staking. • Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Remove excess water and maintain proper drainage facilities in the field. Undertake



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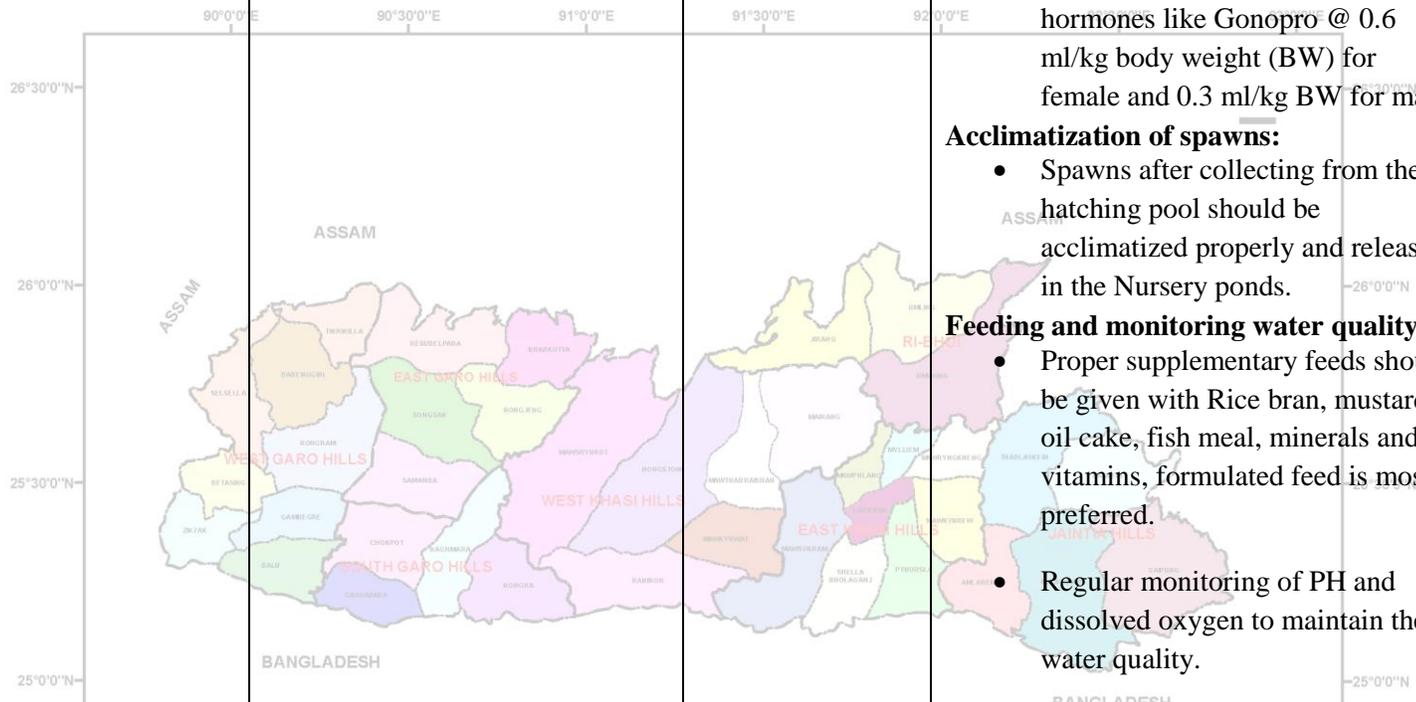


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			weeding.
		Leaf Spot	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water.
		Rhizome rot (ginger)	<ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
		Stem borer Soft rot	<ul style="list-style-type: none"> Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.
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.
		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			
<p>All major carps and minor carps</p>	<p>Brooders</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.

C & RD BLOCK MAP OF MEGHALAYA



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



Agro Advisory Bulletin – SOUTH WEST GARO HILLS **(Period 11th – 15th October, 2017)**

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 58.0mm for the next five days. Maximum Temp: 30-32°C, Minimum Temp: 23-24°C, Cloud cover: sky will be mainly cloudy i.e. 6-7 Okta, Maximum RH: 85-92%, Minimum RH: 57-69%, Wind speed: 3-6 Kmph, Wind direction: Southeast.

Weekly cumulative rainfall : 58.0mm

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 —

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Active tillering/Stem elongation stages		<ul style="list-style-type: none"> • One hand weeding may be given if the field is infested with weeds. • 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.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> • Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
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. • One hand weeding may be given if weed infestation is more. • For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> • Do manual weeding & staking. • Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Remove excess water and maintain proper drainage facilities in the field. Undertake



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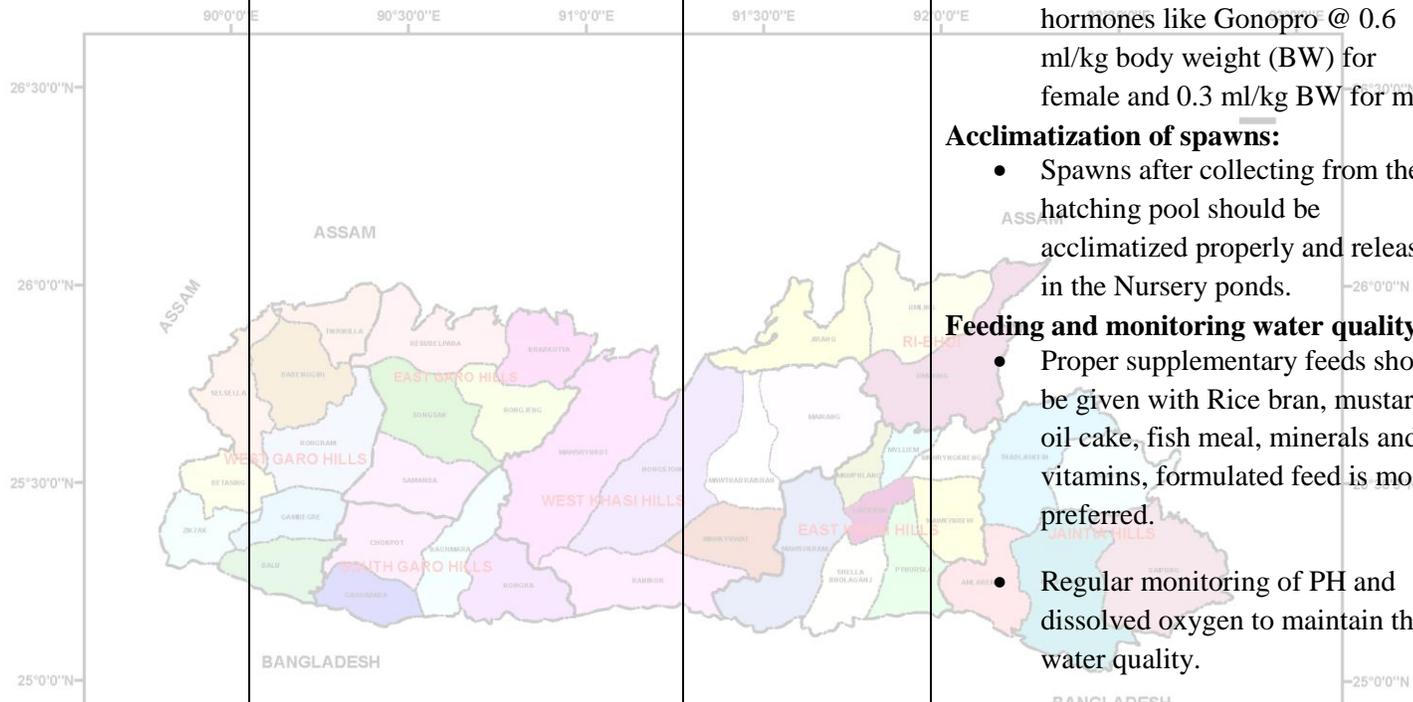


☎: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

		weeding.	
		Leaf Spot	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water.
		Rhizome rot (ginger)	<ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
		Stem borer Soft rot	<ul style="list-style-type: none"> Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.
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.
		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			
<p>All major carps and minor carps</p>	<p>Brooders</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.

C & RD BLOCK MAP OF MEGHALAYA



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



Agro Advisory Bulletin – SOUTH WEST KHASI HILLS (Period 11th – 15th October, 2017)

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 71.0mm for the next five days. Maximum Temp: 23-25°C, Minimum Temp: 16-18°C, Cloud cover: sky will be mainly cloudy i.e. 6-8 Okta, Maximum RH: 84-90%, Minimum RH: 53-68%, Wind speed: 2-6 Kmph, Wind direction: East-Southwest.

Weekly cumulative rainfall : 71.0mm

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 —

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Panicle initiation/grain filling		<ul style="list-style-type: none"> • Bird scaring should be taken care. • Maintain a water level of 2-5 cm in the field. • Monitor crop for swarming caterpillar attack.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> • Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
Soyabean	Vegetative stage		<ul style="list-style-type: none"> • Provide good channels for removing excess water to avoid water stagnation in the field. • One hand weeding may be given if weed infestation is more.
		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 Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> • Do manual weeding & staking. • Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Remove excess water and maintain proper drainage facilities in the field. Undertake weeding.
		Leaf Spot	<ul style="list-style-type: none"> • To prevent Leaf Spot disease, apply



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Umroi Road, Umiam – 793 103 Meghalaya



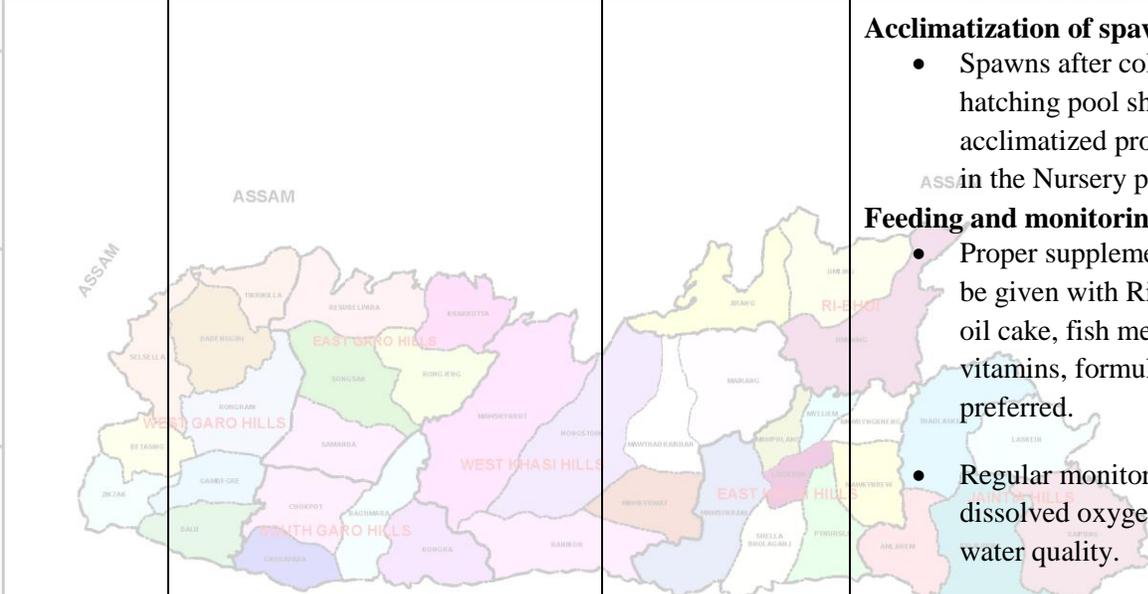
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		<p>Rhizome rot (ginger)</p> <p>Stem borer</p> <p>Soft rot</p>	<p>Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water.</p> <ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.

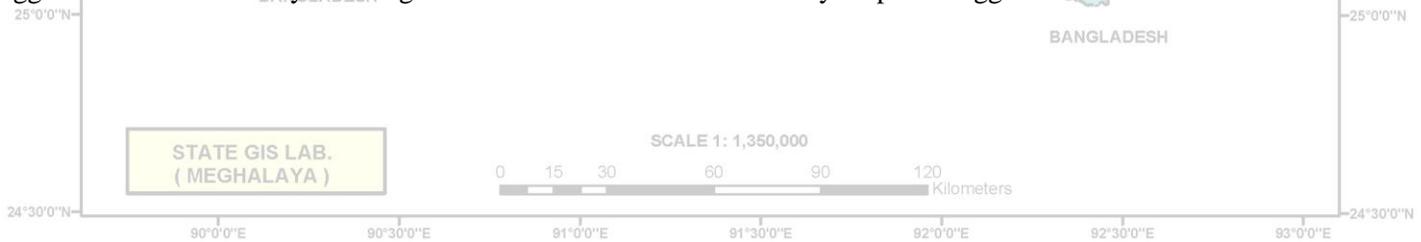
C & RD BLOCK MAP OF MEGHALAYA

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.
		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.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
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.
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	Brooders	Breeding season	Nursery pond preparation:

<p>minor carps</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 11th – 15th October, 2017)

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 67.0mm for the next five days. Maximum Temp: 28-31°C, Minimum Temp: 21-22°C, Cloud cover: sky will be mainly cloudy i.e. 6-8 Okta, Maximum RH: 86-91%, Minimum RH: 61-72%, Wind speed: 4-7 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall : 67.0mm

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 —

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Active tillering/Stem elongation stages		<ul style="list-style-type: none"> • One hand weeding may be given if the field is infested with weeds. • 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.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> • Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
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. • One hand weeding may be given if weed infestation is more. • For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> • Do manual weeding & staking. • Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Remove excess water and maintain proper drainage facilities in the field. Undertake



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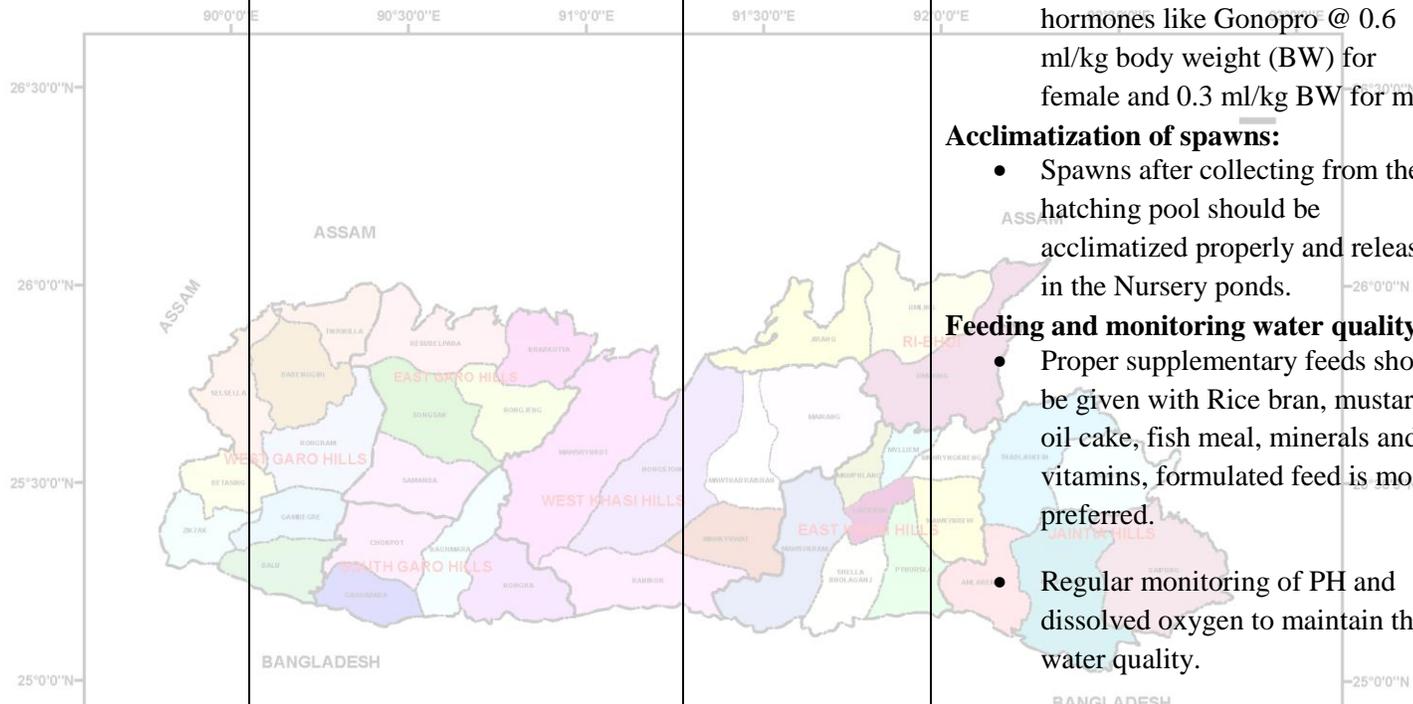


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			weeding.
		Leaf Spot Rhizome rot (ginger) Stem borer Soft rot	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.
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.
		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			
<p>All major carps and minor carps</p>	<p>Brooders</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.

C & RD BLOCK MAP OF MEGHALAYA



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



Agro Advisory Bulletin – WEST JAINTIA HILLS **(Period 11th – 15th October, 2017)**

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 63.0mm for the next five days. Maximum Temp: 24-26°C, Minimum Temp: 18-19°C, Cloud cover: sky will be mainly cloudy i.e. 5-8 Okta, Maximum RH: 87-94%, Minimum RH: 58-73%, Wind speed: 2-3 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 63.0mm

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 —

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Panicle initiation/grain filling		<ul style="list-style-type: none"> • Bird scaring should be taken care. • Maintain a water level of 2-5 cm in the field. • Monitor crop for swarming caterpillar attack.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> • Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7m spacing between the line under the protected structures.
Soyabean	Vegetative stage		<ul style="list-style-type: none"> • Provide good channels for removing excess water to avoid water stagnation in the field. • One hand weeding may be given if weed infestation is more.
		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 Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> • Do manual weeding & staking. • Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Remove excess water and maintain proper drainage facilities in the field. Undertake weeding.
		Leaf Spot	<ul style="list-style-type: none"> • To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks



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		Rhizome rot (ginger) Stem borer Soft rot	<ul style="list-style-type: none"> of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.

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.
		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	Nursery pond preparation: <ul style="list-style-type: none"> Nursery ponds should be prepared



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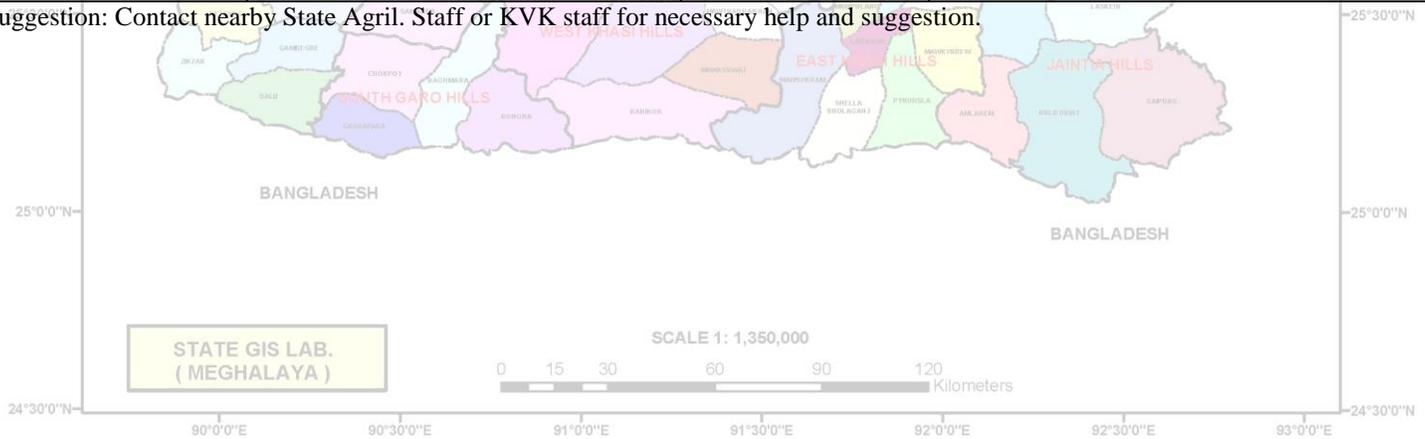
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	<p>properly before releasing the spawns in the nursery pond. Certain steps like removal of aquatic weeds and eradication of predatory and weed fishes are the major activity.</p> <p>Breeding carps with synthetic hormones:</p> <ul style="list-style-type: 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 11th – 15th October, 2017)

Weather forecast valid up to 15th October, 2017

The possibility of Rainfall is 66.0mm for the next five days. Maximum Temp: 24-26°C, Minimum Temp: 18-20°C, Cloud cover: sky will be mainly cloudy i.e. 6-8 Okta, Maximum RH: 87-91%, Minimum RH: 59-73%, Wind speed: 2-4 Kmph, Wind direction: East-South.

Weekly cumulative rainfall : 66.0mm

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 —

- Moderate to heavy rainfall is expected in next 3-4 days all over Meghalaya. Hence, take precautionary measures to avoid water stagnation in fields. Delay sowing, fertilization, pesticide etc. In normal condition, the following activities may be taken up.

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Panicle initiation/grain filling		<ul style="list-style-type: none"> • Bird scaring should be taken care. • Maintain a water level of 2-5 cm in the field. • Monitor crop for swarming caterpillar attack.
Cabbage/Broccoli/ Cauliflower	Nursery Raising		<ul style="list-style-type: none"> • Sow the seeds of broccoli (var. pushpa, aiswarya, fiesta, lucky), cabbage (H-139) & cauliflower (local) in the nursery at 5-7cm spacing between the line under the protected structures.
Soyabean	Vegetative stage		<ul style="list-style-type: none"> • Provide good channels for removing excess water to avoid water stagnation in the field. • One hand weeding may be given if weed infestation is more.
		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 Neem based EC formulation such as Nimbicidine @ 2.5ml/litre
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	Vegetative /pod formation stage		<ul style="list-style-type: none"> • Do manual weeding & staking. • Harvest tender pods.
Ginger/ turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Remove excess water and maintain proper drainage facilities in the field. Undertake weeding.
		Leaf Spot	<ul style="list-style-type: none"> • To prevent Leaf Spot disease, apply



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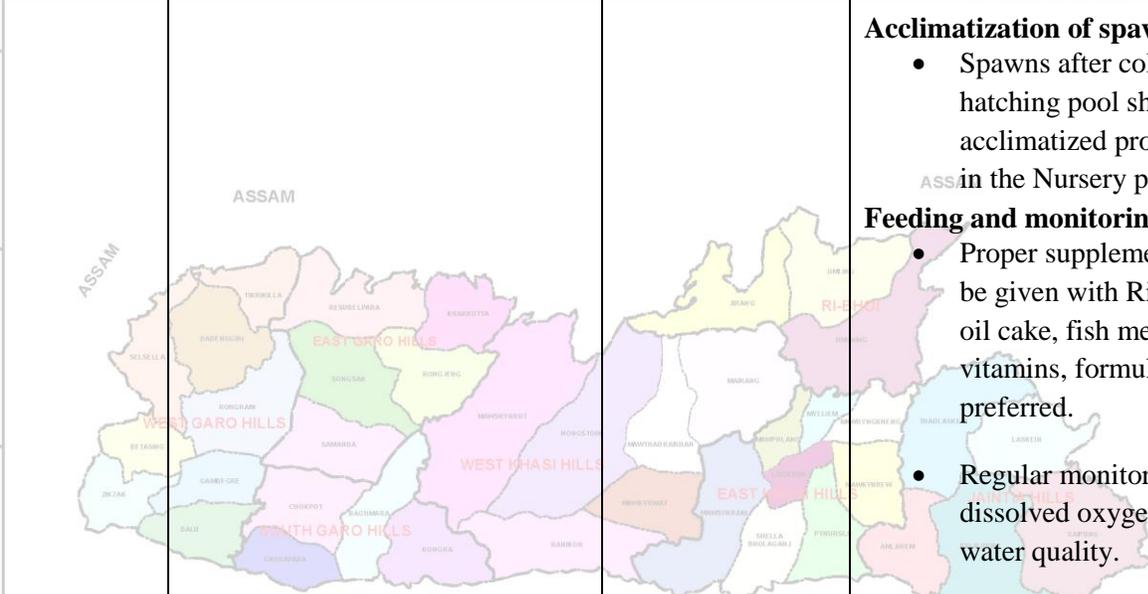
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		<p>Rhizome rot (ginger)</p> <p>Stem borer</p> <p>Soft rot</p>	<p>Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water.</p> <ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot. Apply malathion 30EC @ 2ml/litre. Apply Bordeaux mixture (1:1:10) at fortnight interval to prevent soft rot.
Khasi Mandarin	Fruiting development stage		<ul style="list-style-type: none"> Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.

C & RD BLOCK MAP OF MEGHALAYA

Animal Sciences			
<p>Poultry</p> <p>26°30'0"N</p> <p>26°0'0"N</p> <p>25°30'0"N</p> <p>25°0'0"N</p>	<p>All stages</p>		<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> <p>Ranikhet disease</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. 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.
<p>Piggery</p> <p>24°30'0"N</p>	<p>All stages</p>		<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.
		<p>Skin infection</p>	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
<p>Cattle & Buffaloes</p>	<p>6-9 months calves</p>	<p>Brucellosis</p> <p>Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter</p>	<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 Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery			
All major carps and	Brooders	Breeding season	Nursery pond preparation:

<p>minor carps</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.

