



# INTEGRATED AGROMET ADVISORY SERVICE

**ICAR Research Complex for NEH Region**  
**Umroi Road, Umiam – 793 103 Meghalaya**



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RC (AE)/30/2011/ Bulletin/Aug'2012/05

Dated: 21/08/2012

## **Agro Advisory Bulletin for the period 22<sup>nd</sup> -26<sup>th</sup> Aug, 2012**

### **Weather summary of the previous week**

Rainfall: 105.0mm (9<sup>th</sup>-15<sup>th</sup> Aug). Max Temp: 24-26.0°C, Min Temp: 17.0-19.0°C, Cloud Cover: sky will be mainly clear to overcast i.e. 2-8Okta, Max RH: 80-90%, Min RH: 60-70%, Wind Speed: 1-4Kmph and Wind Direction: 30-350Degree.

### **Weather forecast valid up to 26<sup>th</sup> Aug, 2012**

Possibility of receiving 83.0mm Rainfall for the next five days. Max Temp: 28.0-33.0°C, Min Temp: 22.0-24.0°C, Cloud Cover: sky will be mainly cloudy or overcast i.e. 4-8Okta, Max RH: 95-98%, Min RH: 67-94%, Wind Speed: 2-4Kmph, Wind Direction: 101-164Degree.

*Projected weekly cumulative Rainfall: 83.0mm*

## **Agro-advisories for coming week for East Khasi hills**

<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agricultural advisories</b>
Kharif rice	Maximum Tillering stage		Lowland rice varieties IR-64, Mendri, Manipuri are at tillering stage. Bhalum(upland) rice is at maximum tillering stage. Top dressing of urea @40k/ha for HYV rice varieties and @30kg/ha for Bhalum rice may be given. Water level may be maintained at 2-5cm above the field. In uplands, bund may be repaired to conserve water. Weeding and plant protection measure should be undertaken.
Kharif maize	Cob maturity		Kharif maize varieties like Vijay, RCM-76, Local white and yellow, DA-61-A and QPM are at cob maturity stage. Use the maize straw mulch for conserving moisture for rabi crops.
Rabi Maize	Sowing		Sowing of rabi maize may be initiated now in low and medium altitude region to use the residual moisture.
French Bean	Sowing		This is the best time for sowing of French bean varieties like Arka, Suvidha, Arka Anoop (bush type) and Naga local, RCMFB-1(pole type) to use the residual moisture.
Dolichos bean	Sowing		Farmers can go for sowing of dolichos bean now to use residual moisture in the soil.
Pineapple	Growing Harvesting (Lowland)		Planting of suckers and slip and sometimes crowns of pineapple may commence now. Spacing should be 30cms in plant to plant and 60cms row to row. Trench to trench spacing should be 90cms. Harvesting may be initiated in lowland areas.
Pea , mustard garlic	Land preparation		Land preparation and sowing of pea, mustard, garlic in high altitude region may commence now.
Bottle gourd	Flowering		Pusa summer, prolific long, prolific round, Pusa meghdoot, Pusa manjari varieties of bottle gourd are at growing stage. Weeding may be done.
Ash gourd	Fruit maturing	Fruit fly	To control fruit fly, spray Malathion @2ml/lit of water but stop spraying 1week before harvesting
Turmeric Ginger	Tuber / root growing	Rhizome rot	Turmeric varieties Lakhadong, Megha turmeric & ginger of Nadia, Jamaika, Suprabha, Thingpui, Rio de Jenerio, Thinglaidong varieties are at root & shoot development stage. Top dressing with Urea @ 22 kg/ha in case of ginger and @ 32kg/ha in turmeric should be done in 2 months old crop. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/L) (especially in ginger) to prevent rhizome rot.

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Sr. Scientist (Agro)

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Sr. Scientist (Agro)	Sr. Scientist (Soil)	Sr. Scientist (Animal)	Scientist(Hort)	Scientist (Ento)	Scientist(Extn)	PS &Head (Engg)	TO & Co-PI, FASAL



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RC (AE)/30/97/ Bulletin/Aug'2011/05

Dated: 21/08/2012

## **Agro Advisory Bulletin for the period 22<sup>nd</sup> -26<sup>th</sup> Aug, 2012**

### **Weather summery of the previous week**

### **Weather forecast valid up to 26<sup>th</sup> Aug, 2012**

Max Temp: 26.0-28.0°C, Min Temp: Possibility of receiving 102.0mm Rainfall for the next five days. Max Temp: 18.0-20.0°C, Wind Speed: 1-2Kmph 30.0-34.0°C, Min Temp: 23.0-25.0°C, Cloud Cover: sky will remain mainly and Wind Direction: 30-300Degree, cloudy or overcast i.e. 5-8Okta, Max RH: 95-97%, Min RH: 66-94%, Wind Rainfall:26.0mm (9<sup>th</sup>-15<sup>th</sup> Aug) Speed: 4-6Kmph, Wind Direction: 102-148Degree.

*Projected weekly cumulative Rainfall: 102.0mm*

## **Agro-advisories for coming week for West Khasi Hills**

<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agricultural advisories</b>
Kharif rice	Tillering		Megha rice-1, Megha rice-2, Local varieties are at tillering stage. Weeding followed by top dressing urea @ 30kg/ha is recommended.
Kharif maize	cob maturity		Kharif maize varieties like Vijay, RCM-76, Local white and yellow, DA-61-A and QPM are at cob maturity stages. The crop for green cobs is ready for harvest.
Rabi Maize	Land preparation		Land preparation and sowing of rabi maize in low and medium altitude region may commence now.
French Bean	Sowing		This is the best time for sowing of French bean varieties like Arka, Suvidha, Arka Anoop (bush type) and Naga local, RCMFB-1(pole type).
Dolichos bean	Sowing		Farmers can go for sowing of dolichos bean now.
Pea , mustard garlic	Land preparation		Land preparation and sowing of pea, mustard, and garlic in high altitude region may commence now.
Pineapple	Planting Harvesting (lowland)		Planting of suckers and slip and sometimes crowns of pineapple may commence now. Spacing should be 30cms (plant to plant) x 60cms (row to row). Trench to trench spacing should be 90cms. Harvesting may be initiated in lowland areas.
Turmeric Ginger	Root & shoot development	Rhizome rot	Turmeric varieties Lakhadong, Megha Turmeric and ginger of Nadia, Jamaika, Suprabha, Thingpui, Poona, Rio de Jenerio, Thinglaidong varieties are at root & shoot development stage. Weeding followed by earthing up is to be done in case of 40-45 days old crop. Top dressing with Urea @ 22 kg/ha in case of ginger and @ 32kg/ha in turmeric should be done in 2 months old crop. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/L) (especially in ginger) to prevent rhizome rot.



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RC (AE)/30/2011/ Bulletin/Aug'2012/05

Dated: 21/08/2012

## Agro Advisory Bulletin for the period 22<sup>nd</sup>-26<sup>th</sup> Aug, 2012

### Weather summary of the previous week

### Weather forecast valid up to 26<sup>th</sup> Aug, 2012

Rainfall: 131.0mm (15<sup>th</sup>-21<sup>st</sup>Aug), Max and min temp varied between 28.0-32.0°C and 19.0-21.0°C respectively. The cloud was partially cloudy to overcast *i.e.* 3-8Okta, The wind speed varies between 1-3kmph, Wind direction: 20-200degree, Max RH: 90-95% and Min RH: 70-75%

Possibility of receiving 101.0mm Rainfall for next five days. Max and min temp will vary between 30.0-32.0°C and 22.0-24.0°C respectively. The sky will remain mainly cloudy to overcast *i.e.* 4-8Okta; Relative humidity will vary between 97-98% and 72-97% in the morning and afternoon respectively. The wind speed will vary between 2-4kmph. The wind will blow in different direction from 122-187degree.

**Projected weekly cumulative rainfall: 101.0mm**

## Agro-advisories for coming week for Ri-bhoi district

Main Crop/ Animal /Fisheries	Stage	Pest/ Diseases	Agricultural advisories
Kharif rice	Maximum Tillering		Ranjit, Mendri, Manipuri, RCPL-1-410, RCPL1-411, RCPL-1-129, Bhalum-1, Bhalum-2, Bhalum-3 and Shah-sarang rice are at vegetative to tillering stage. Top dressing of urea @40kg/ha for HYV variety and @30kg/ha for local rice may be given. Water level may be maintained at 2-5cm in the field by repairing bunds. Due to less rainfall, there is shortage of water in the field. Nearly 1000mm rainfall has occurred during January to July. Normally it should be around 1500-1600mm during Jan-July. As there is shortage of water, water harvesting may be done by forming bunds in the fields whenever rainfall occurs.
Ahu(Autumn) rice	Tillering to Panicle initiation		Ahu rice is at tillering to panicle initiation stage in low land areas. Water level may be maintained at 2-5cm. Weeding followed by top dressing of urea @43kg/ha may be done if not done early.
Kharif maize	Cob maturity		Early planted(April) kharif maize varieties like Vijay, RCM-76, Local white and yellow, DA-61-A and QPM are at cob maturity stage and late planted crop(May-June) are at cob formation stage. The crop for green cobs is ready for harvest. Residue of maize/ groundnut etc. should be used for mulching rabi crops like French bean, Rabi Maize, Toria etc
Rabi Maize	sowing		Sowing of rabi maize may be initiated now in low and medium altitude region to use the residual moisture.
French Bean	Sowing		This is the best time for sowing of French bean varieties like Arka, Suvidha, Arka Anoop (bush type) and Naga local, RCMFB-1(pole type).
Dolichos bean	Sowing		Farmers can go for sowing of dolichos bean now to use residual moisture in the soil.
Pineapple	Planting to growing Harvesting (lowland)		Planting of suckers and slip and sometimes crowns of pineapple may be continued Spacing should be 30cms (plant to plant) x 60cms (row to row). Trench to trench spacing should be 90cms. Harvesting may be initiated in lowland areas.
Bottle gourd	Sowing to growing		Pusa summer, prolific long, prolific round, pusa meghdoot, Pusa manjari varieties of bottle gourd may be sown at 4mx4m row to row and plant to plant spacing.
Turmeric Ginger	root & shoot developme nt	Rhizome rot	Turmeric varieties Lakhadong, Megha turmeric & ginger of Nadia, Jamaika, Suprabha, Thingpui, Rio de Jenerio, Thinglaidong varieties are at root & shoot development stage. Top dressing with Urea @ 22 kg/ha in case of ginger and @ 32kg/ha in turmeric should be done in 2 months old crop. Spray/ drench 1%

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Bordeaux mixture or Dithane M-45 (2.5g/L) (especially in ginger) to prevent rhizome rot.

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RC (AE)/30/2011/ Bulletin/Aug'2012/05

Dated: 21/08/2012

## **Agro Advisory Bulletin for the period 22<sup>nd</sup> -26<sup>th</sup> Aug, 2012**

### **Weather summery of the previous week**

Max Temp: 22.0-26.0°C Min Temp: 18.2-19.0°C, Wind Speed: 1-8kmph, Wind Direction: 50-280deg. and Rainfall: 55.0mm (9<sup>th</sup>-15<sup>th</sup> Aug)

### **Weather forecast valid up to 26<sup>th</sup> Aug, 2012**

Possibility of receiving 54.0mm Rainfall for the next five days. Max Temp: 31.0-33.0°C, Min Temp: 22.0-24.0°C, Cloud Cover: sky will be mainly cloudy or overcast i.e. 5-8Okta, Max RH: 95-98% Min RH: 64-90%, Wind Speed: 2Kmph, Wind Direction: 110-156Degree.

*Projected weekly cumulative rainfall : 54.0mm*

## **Agro-advisories for coming week for Jaintia hills**

<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agricultural advisories</b>
Kharif rice	Vegetative to Tillering		RCPL-1-412, RCPL-1-410, RCPL1-411, Shabsarang rice etc varieties are at vegetative to tillering stage in low lying areas. Weeding followed by top dressing of urea @40kg/ha for HYV and 30kg/ha for Local varieties may be applied. Field bunds may be repaired for maintaining water level of 2-5cm in the field.
Kharif maize	Cob formation to maturity		Kharif maize varieties like Vijay, RCM-76, Local white and yellow, DA-61-A and QPM are at cob formation to maturity stage. Weeding, earthing up followed by light irrigation may be done at regular interval for early crop. Top dressing of urea fertilizer @ 40kg/ha for HYV and @30kg/ha for local varieties of maize may given. Residue of maize/ groundnut etc. should be used for mulching rabi crops like French bean, Rabi Maize, Toria etc.
French Bean	Sowing		This is the best time for sowing of French bean varieties like Arka, Suvidha, Arka Anoop (bush type) and Naga local, RCMFB-1(pole type). Avoid excessive tillage, only open a furrow and apply fertilizer/manure and sow French bean.
Dolichos bean	Sowing		Farmers can go for sowing of dolichos bean now to use the residual moisture in soil.
Khasi mandarin	Vegetative	Aphids	Weeding may be done during this period. Spraying of Malathion 0.1% may be done for controlling aphids.
Turmeric Ginger	Root & shoot development	Rhizome rot	Turmeric varieties of Lakhadong, Megha turmeric & ginger of Nadia, Jamaika, Suprabha, Thingpui, Rio de Jenerio, Thinglaidong varieties are at root & shoot development stage. Top dressing with Urea @ 22 kg/ha in case of ginger and @ 32kg/ha in turmeric should be done in 2 months old crop. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/L) (especially in ginger) to prevent rhizome rot.

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RC (AE)/30/2011/ Bulletin/Aug'2012/05

Dated: 21/08/2012

## **Agro Advisory Bulletin for the period 22<sup>nd</sup>-26<sup>th</sup> Aug, 2012**

### **Weather summery of the previous week**

Max Temp: 29.0-33.0°C, Min Temp: 23.0-24.0°C, Wind Speed: 1-4kmph, Wind Direction: 30-230degree, Rainfall: 30.0mm (9<sup>th</sup> -15<sup>th</sup> Aug),

### **Weather forecast valid up to 26<sup>th</sup> Aug, 2012**

Possibility of receiving 222.0mm Rainfall for the next five days. Max Temp: 33-34.0°C, Min Temp: 26.0-27.0°C, Cloud Cover: sky will remain mainly cloudy i.e.7-8Okta, Max RH: 92-94%, Min RH: 64-78%, Wind Speed: 6-11Kmph, Wind Direction: 114-248Degree.

*Projected weekly cumulative rainfall :222.0mm*

## **Agro-advisories for coming week for East Garo Hills**

<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agricultural advisories</b>
Kharif rice	Transplanting (upland) Maximum tillering (lowland)		IR-64, Ranjit, Shah-sarang and other lowland rice varieties are at establishment stage. Bhalum rice is at panicle initiation stage. Gap filling should be taken up wherever seedling died. Top dressing of 2% urea may be sprayed in Bhalum rice. Weeding and plant protection may be taken in dry places. Water level may be maintained at 2-5cm in the lowland field. Field bunds should be repaired and rain water should be conserved for life saving irrigation.
Ahu(Autum n) rice	Tillering to Panicle initiation		Ahu rice is at tillering to panicle initiation stage in low lying areas of the district. Water level may be maintained at 2-5cm. Weeding followed by top dressing of urea @43kg/ha may be given. Conserve rain water in the field and ponds for use during dry period.
Kharif maize	Cob maturity		Kharif maize varieties like Vijay, RCM-76, Local white and yellow, DA-61-A and QPM are at maturity stage. Physiologically mature crop may be harvested. Residue may be retained in the field to conserve moisture for the second crop like toria.
Groundnut	flowering		J.L-24, Girnar-1 and TG-1A varieties of groundnut in vegetative to flowering stage. Weeding is recommended to harvest a good crop. Top dressing of urea @40kg/ha may be applied during this period.
Mesta	flowering		Mesta now is at flowering stage in low altitude region. Top dressing of Urea @ 43kg/ha may be given.
Banana	Flowering to maturing		Cheni Champa, MalBhog, Jahaji, Kaskol, Kaitkhun and Cavendish varieties are at flowering stage to maturing. Harvesting may be done in low land areas.
Mandarin Orange	Fruiting	Aphids	Khasi mandarin and Kinnow varieties of mandarin oranges are at growing stage. Weeding followed by earthing up may be done. Spraying of Malathion 0.1% may be done for controlling aphids.
Ginger & turmeric	Root & shoot development		Turmeric variety of Lakhadong, Megha turmeric & ginger of Nadia, Jamaika, Suprabha, Thingpui, Rio de Jenerio, Thinglaidong varieties are at root and shoot development stage. Top dressing with Urea @ 22 kg/ha in case of ginger and @ 32kg/ha in turmeric should be done

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RC (AE)/30/97/ Bulletin/Aug'2012/04

Dated: 14/08/2012

## **Agro Advisory Bulletin for the period 15<sup>th</sup> -19<sup>th</sup> Aug, 2012**

### **Weather summary of the previous week**

### **Weather forecast valid up to 19<sup>th</sup> Aug, 2012**

Max Temp: 27.0-33.0°C, Min Temp: 24.0-25.0°C, Possibility of receiving of 160.0mm Rainfall for the next five days. Rainfall: 5.0mm (9<sup>th</sup>-15<sup>th</sup> Aug), Wind speed: 1-6kmph, Wind Direction: 40-350degree.

Max Temp: 29.0-34.0°C, Min Temp: 24.0-26.0°C, Cloud cover: sky will remain cloudy or overcast i.e.6-8Okta, Max RH: 96-98%, Min RH: 66-92%, Wind Speed: 4-9Kmph and Wind Direction: 103-135Degree.

*Projected weekly cumulative rainfall : 160.0mm*

## **Agro-advisories for coming week for West Garo Hills**

<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/ Diseases</b>	<b>Agricultural advisories</b>
Kharif rice	Transplanting (upland) Maximum tillering (lowland)		IR-64, Ranjit, Shah-sarang and other lowland rice varieties are at transplanting stage. Apply 86kg urea /ha 375kg SSP/ha 67kg MOP/ha before transplanting. Bhalum rice is at panicle initiation stage. Gap filling should be taken up wherever seedling died. Top dressing of urea @10k/ha for RCPL and @20kg/ha for local Bhalum rice may be given. Water level may be maintained at 2-5cm in the lowland field.
Ahu(Autumn) rice	Tillering to Panicle initiation		Ahu rice is at tillering stage in low lying areas of the district. Water level may be maintained at 2-5cm. Weeding followed by top dressing of urea @43kg/ha may be given.
Kharif maize	Cob formation to maturity		Kharif maize varieties like Vijay, RCM-76, Local white and yellow, DA-61-A and QPM are at maturity stage. Residue may be retained in the field to conserve moisture for the second crop like toria.
Groundnut	flowering		J.L-24, Girnar-1 and TG-1A varieties of groundnut at flowering stage. Weeding is recommended to harvest a good crop. Top dressing of urea @40kg/ha may be applied during this period.
Mesta	flowering		Mesta now is at flowering stage in low altitude region. Top dressing of Urea @ 43kg/ha may be given.
Banana	Flowering to maturing		Cheni Champa, MalBhog, Jahaji, Kaskol, Kaithkhun and Cavendish varieties banana are at flowering stage. Harvesting may be done in lowland areas.
Mandarin Orange	Growing	Aphids	Khasi mandarin and Kinnow varieties of mandarin oranges are at growing stage. Weeding followed by earthing up may be done. Spraying of Malathion 0.1% may be done for controlling aphids.
Ginger & turmeric	Root & shoot development		Turmeric variety of Lakhadong and ginger of Nadia, Jamaika, Suprabha, Thingpui, Rio de Jenerio, Thinglaidong varieties are at root and shoot development stage. Weeding followed by earthing up is to be done in case of 40-45 days old crop. Top dressing with Urea @ 22 kg/ha in case of ginger and @ 32kg/ha in turmeric should be done

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## **Agro Advisory Bulletin for the period 22<sup>nd</sup>-26<sup>th</sup> Aug, 2012**

### **Weather summery of the previous week**

### **Weather forecast valid up to 26<sup>th</sup> Aug, 2012**

Max Temp: 31.0°C, Min Temp: 24.0-25.0°C, Possibility of receiving 111.0.mm Rainfall for the next five days. Max Rainfall: 39.0.0mm (9<sup>th</sup>-15<sup>th</sup> Aug), Wind Temp: 31.0-33.0°C, Min Temp: 24.0-25.0°C, Cloud cover: sky will speed: 1-2kmph, Wind Direction: 20- remain mainly cloudy or overcast i.e.5-8Okta, Max RH: 95-97%, Min 350degree. RH: 66-93%, Wind Speed: 6-7Kmph and Wind Direction: 110-129Degree.

**Projected weekly cumulative rainfall : 111.0mm**

## **Agro-advisories for coming week for South Garo Hills**

<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/ Diseas es</b>	<b>Agricultural advisories</b>
Kharif rice	Transplanting (upland) Maximum tillering (lowland)		IR-64, Ranjit, Shah-sarang and other lowland rice varieties are at transplanting stage. Apply 86kg urea /ha 375kg SSP/ha 67kg MOP/ha before transplanting. Bhalum rice is at panicle initiation stage. Gap filling should be taken up wherever seedling died. Top dressing of urea @10k/ha for RCPL and @20kg/ha for local Bhalum rice may be given. Water level may be maintained at 2-5cm in the lowland field. Field bunds should be repaired and rain water should be conserved for life saving irrigation.
Ahu(Autum n) rice	Tillering to Panicle initiation		Ahu rice is at tillering stage in low lying areas of the district. Water level may be maintained at 2-5cm. Weeding followed by top dressing of urea @43kg/ha may be given. Conserve rain water in the field and ponds for use during dry period.
Kharif maize	Cob maturity		Kharif maize varieties like Vijay, RCM-76, Local white and yellow, DA-61-A and QPM are at maturity stage. Physiologically mature cob may be harvested. Residue may be retained in the field to conserve moisture for the second crop like toria.
Groundnut	Flowering		J.L-24, Girnar-1 and TG-1A varieties of groundnut are at vegetative stage. Weeding is recommended to harvest a good crop.
Mesta	flowering		Mesta now is at flowering stage in low altitude region. Top dressing of Urea @ 43kg/ha may be given.
Banana	Flowering to maturing		Cheni Champa, MalBhog, Jahaji, Kaskol, Kaitkhun and Cavendish varieties banana are at flowering stage. Harvesting may be done in low land areas.
Mandarin Orange	Fruiting	Aphids	Khasi mandarin, Kinnow varieties of mandarin oranges are at fruiting stage. Weeding followed by earthing up may be done. Spraying of Malathion 0.1% may be done for controlling aphids.
Ginger & turmeric	Root & shoot development		Turmeric variety of Lakhadong, Megha turmeric & ginger of Nadia, Jamaika, Suprabha, Thingpui, Rio de Jenerio, Thinglaidong varieties are at root and shoot development stage. Top dressing with Urea @ 22 kg/ha in case of ginger and @ 32kg/ha in turmeric should be done