

Agricultural Advisories for the farmers of Assam for kharif season

A. Advisories for rice

- **Transplantation in main field of *kharif* rice**

After uprooting of seedling and before transplanting in the main field, root dip treatment of seedlings with 0.02% solution of chloropyriphos (1 ml/l of water) along with 1% urea (10 g/l of water) for 3 hours may be done to protect the crop initially from stem borer, gall midge and hopper in the main field. Alternatively, carbofuran @ 3 g/sqm can also be applied in the bed 5 -7 days before uprooting.

- **Fertilizer application in the main field of *kharif* rice**

At the time of planting for the HYVs, half of urea and whole of SSP and MOP should be applied at the time of final puddling and rest amount of urea to be applied at tillering and another at panicle initiation stage. (132 kg Urea, 125 kg SSP and 66 kg MOP per hectare)

B. Advisories for other field crops

- Optimum sowing time of kharif oilseed crop ‘Sesamum’ is July to 1st fortnight of August. Important varieties are ST 1683, Koliabor local, AST 1 etc. Excess rain water to be drained out through surface drainage channel of 25cm wide, 15cm deep spaced at 6 m.
- Sowing of Green gram and Black gram with the recommended variety should be completed by 2nd fortnight of September.
- Seed of Black gram and green gram to be inoculated with Rhizobium (@ 50g/kg of seeds) along with PSB (@50g/kg of seeds).
- In case of sugarcane, planted during March – April, a light earthing up should be done to fill trenches/furrows within 1½ - 2 months after planting. While carrying out the 1st earthing up, 200 kg Urea and 50 kg MOP per hectare is to be top dressed. Application of nitrogenous fertilizer is to be completed within 90 -100 days of planting.

C. Advisories for horticultural crops

- For controlling fruit fly in cucurbits, spraying of Malathion 50 EC @ 2 ml/lit with 1% molasses to attract the pest is recommended. As an ITK, smoking with rice straw bundle along with dry chilli can also be practiced. For controlling cut worm, incorporation of Malathion 5% dust in the soil around the plant is recommended.

- Recommended planting time of betel vine is May – August. It is propagated by terminal stem cutting obtained from mature mother vines. Before planting, soil should be treated with formalin solution (4%) by sprinkling @ 3 litre per sqm of soil and covered with polythene sheets or moist gunny bags for 24 hours. Planting should not be done for 15 -20 days following formalin treatment.

D. Advisories for livestock enterprises

- The litter materials in poultry shed need to be changed to prevent coccidiosis infestation. If red diarrhea symptoms notice in the birds, immediately suggested to give anticoccidial drugs (Amprolium) in the drinking water for 3 -5 days.
- Store feed properly in dry place to avoid fungal growth. Clump formation in feed bags is indicative of spoilage.
- Ensure deworming of goats (Albendazole @ 7.5 mg/kg body weight) especially young kids before the start of rainy season.
- In case of pregnant does, pregnancy safe anthelmintic (Fenbendazole @ 5 mg/kg body weight) should be administered 15 days prior to expected date of kidding.