

# Tips to Achieve Higher Yield in Hybrid Maize

## Crop Establishment

- ♦ 30,000 to 32,000 plant populations per acre should be maintained using row to row distance of 60 cm (24 inches) and plant to plant distance of 20 cm (8 inches).
- ♦ Sowing can be done either using seed drill machine or manual line sowing.
- ♦ Seeds should be placed at a shallow depth of 4-5 cm.



Line Sowing of maize using Seed drill

## Nutrient Management

- ♦ Apply 5-6 cart load of well decomposed FYM or compost/acre at the time of land preparation.
- ♦ Use 60:25:25 (N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O) kg per acre for better productivity  
Basal: DAP - 55 kg, MOP -22 kg
- ♦ 1st topdressing (25-30 DAS, knee height) : Urea - 55 kg
- ♦ 2nd topdressing (45-50 DAS, before tasseling): Urea-55 kg and MOP -22 kg



## Weed Management

- ♦ Use Atrazine as pre-emergence (1-2 DAS) or early post emergence (15 DAS) at 400 gm/acre (2gm/litre).
- ♦ Apply herbicide at proper moisture level after sowing. In case of sowing under dry condition herbicide should be applied after the rainfall.
- ♦ Use flat fan nozzles for herbicide spraying.
- ♦ One hand weeding should be done at 25-30 DAS to coincide with 1st intercultural operation.

For more details visit:  
[www.csisa.org](http://www.csisa.org)  
Email: [cimmyt-csisa@cgiar.org](mailto:cimmyt-csisa@cgiar.org)