

NOVELGRO TERRA TRIAL ON MAIZE

Location : Sidomulyo, Lampung
Time : First Quarter 2009 (last crop in the wet season)
Variety : Pioneer Hibrida P-23
Fertilization : 450 kgs of urea, 120 kgs of Amonium Sulphate, 120 kgs NPK
Irrigation : Rainfall every 3-4 days
Soil : Red Podzolic Soil

Harvest quantity :

- Typical Crop (without Novelgro Terra) : 5 metric tons / hectare
- Treated Crop (with Novelgro Terra) : 9 metric tons / hectare

REMARKS:

Novelgro Terra was used as seed treatment and soil treatment. As seed treatment, Terra was diluted to 1:1000 concentration to wet the seed right before planting. And as soil treatment, a dosage of 400 cc / ha with dilution of 1 : 1000 was applied with a sprayer throughout the corn plantation at soil preparation. Fertilization was carried according to the farmer's custom practice.

Roots volume increase was observed in the treated plants compare to the untreated plants and **drought stress reduction** was observed in the treated plants compare to the untreated plants.

Aluminum poisening was reduced on the treated plants compare to the untreated plants.

Earlier seed germination and plants emergence was observed on the treated plants compare to the untreated plants.







untreated plant



treated plant