

# Chemical weed control



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## What is Chemical or Herbicide Weed Control?

In chemical weed control, chemicals called herbicides are used to kill certain plants or inhibit their growth. Chemical weed control is an option in integrated weed management that refers to the integrated use of cultural, manual, mechanical and/or chemical control methods.

## Why Control Weeds?

- Prevent yield loss due to weed competition
- Maintain purity and/or quality and market price of harvested grain
- Prevent buildup of weed seeds in soil
- Prevent weeds that may attract insects or rodents (rats) or act as a host for diseases
- Prevent clogging of field irrigation channels and facilitate water flow
- Reduce time and cost of land preparation and weeding operations

## Why Use Herbicides to Control Weeds?

- Less labor (0.5 person day per ha per application) and less drudgery
- Cost-effective, if practiced properly
- No need to wait for weeds to grow bigger for hand weeding
- Herbicides can differentiate between rice and weeds, even at seedling stage where it is very difficult for people to see the difference

## How to Use Herbicides to Effectively Control Weeds?

1. Weeds need to be controlled from planting until the crop canopy closes.
2. ALWAYS READ and FOLLOW the instructions on the product label.
3. Ensure the product is suited for the type and stage of crop and weeds to be controlled.



Appropriate equipment



Working nozzles



Clean water



Uniform spraying