

# Weed control



www.rkbassam.in

## Introduction

Why control weeds?

- Prevent yield loss due to weed competition.
- Maintain purity and/or quality and market price of harvested grain.
- Prevent build-up 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 to facilitate water flow.
- Reduce time and cost of land preparation and weeding operations.

## Manual control

- Nonchemical; ecologically sound.
- Provides clean and thorough weeding.
- Good for resource-poor farmers where labor is available at low wages.



## Cultural control

- Cost effective and easy to practice: Acceptable and accessible to small & large farmers
- Non-chemical and ecologically sound
- Prevention is better than cure



## Mechanical control

- Non-chemical and ecologically sound.
- Less labor needed and costs less than hand weeding.
- Less drudgery and stress than in hand weeding.



## Chemical control

- 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



Keeps canals and bunds clean and use water to control weeds

