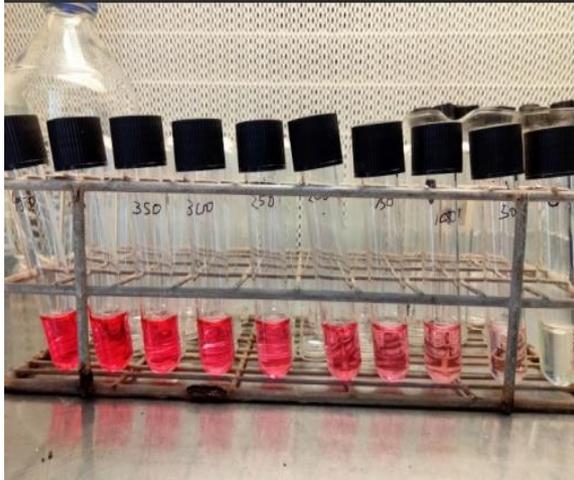


# Soil Science Division



# Mandate

- **Improve mineral nutrition for better rice yield**
- **Identification and reclamation of problem soil**
- **Develop appropriate soil and fertilizer management interventions for sustainable rice production**





# Major Research Fields

**Soil Fertility and Plant Nutrition**

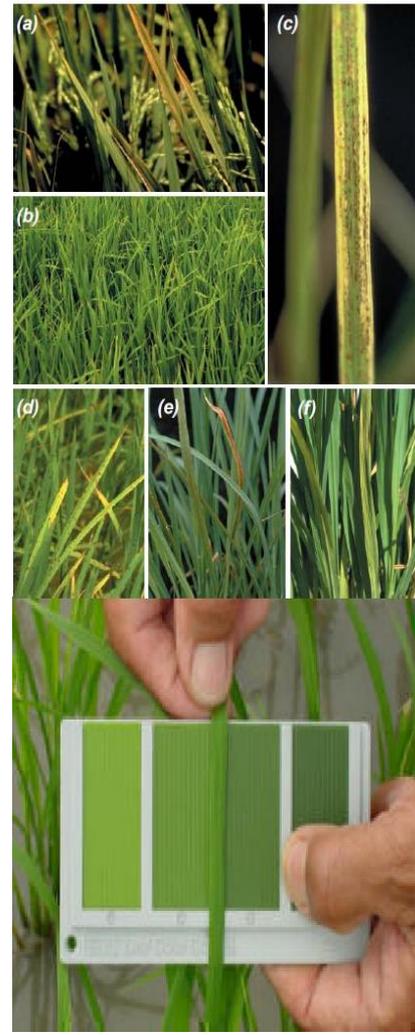
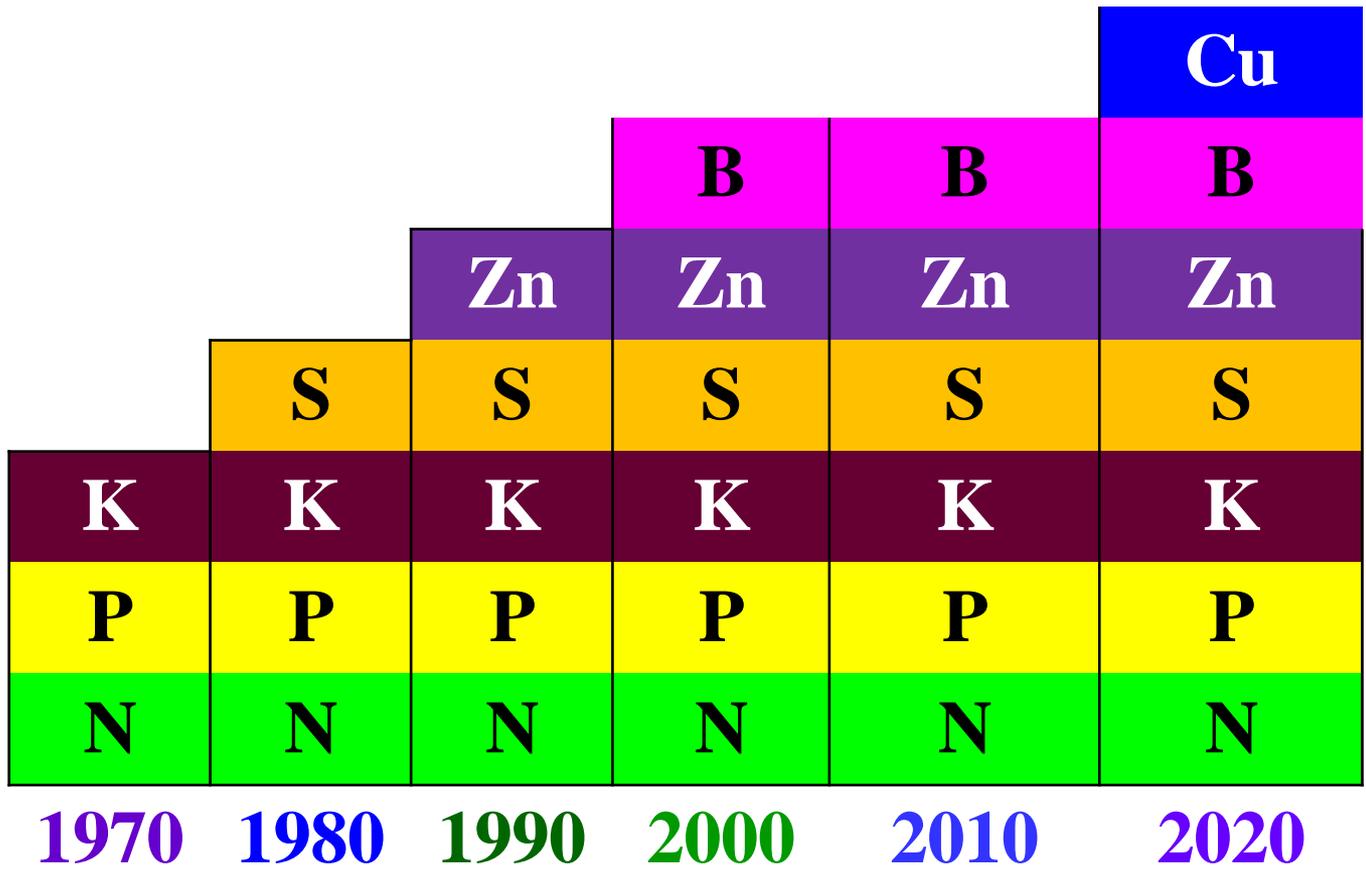
**Problem Soil Management**

**Microbiological Studies**

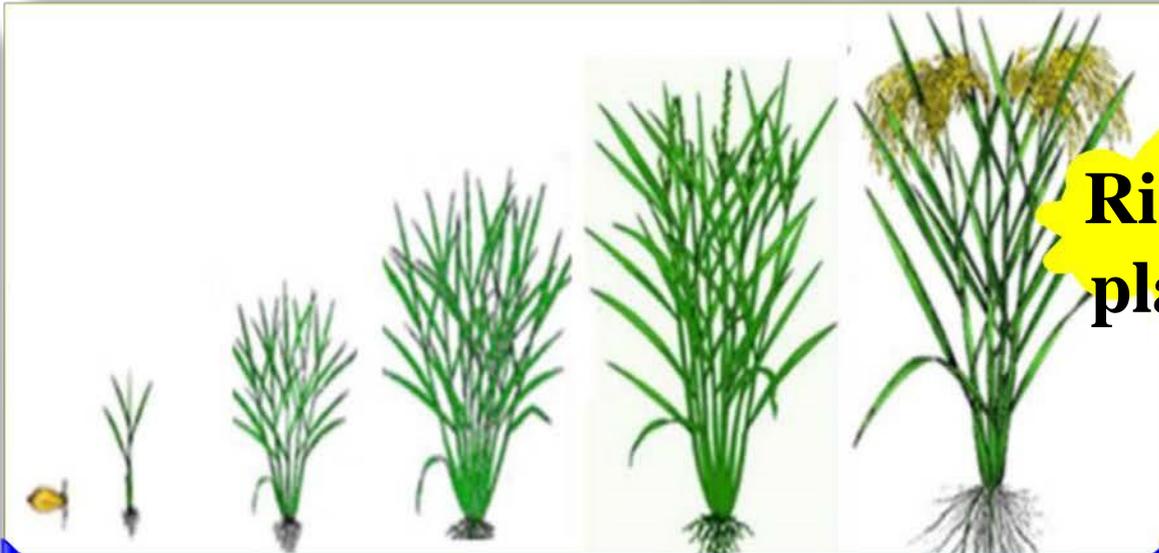
**Physical Aspects of Soil Management**

**Soil & Environment**

# Nutrient Deficiency Identification & Management



## Balanced Chemical fertilizer dose (year 1970 to year 2020)



Right  
rates

Right  
place

Right  
source

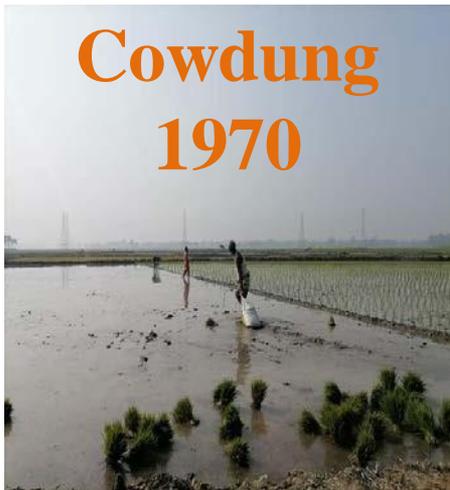
Right  
time

4R

Fertilizer management at different growth stages following 4R principal (1970)

Considering Agro Ecological Zones, Seasons & Cropping pattern

# Determination of Integrated Nutrient Management Doses



**Improvement of Soil health**

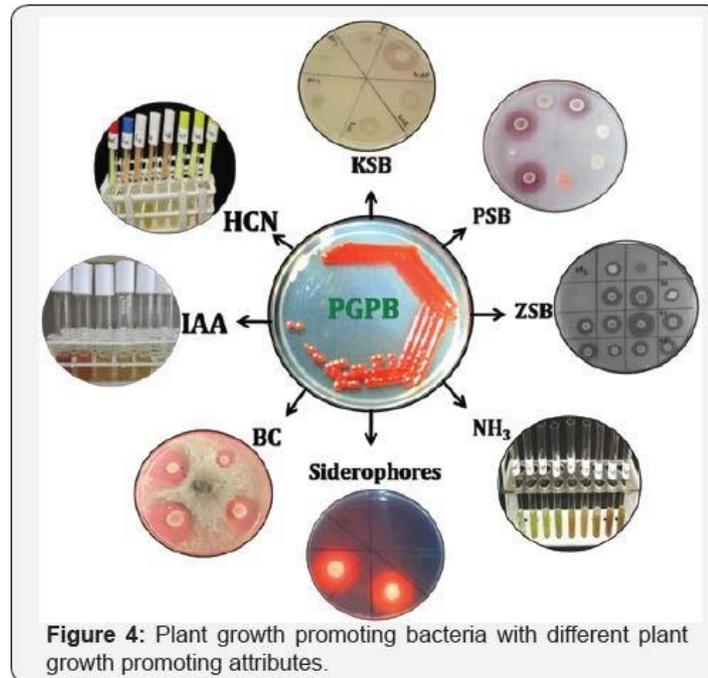
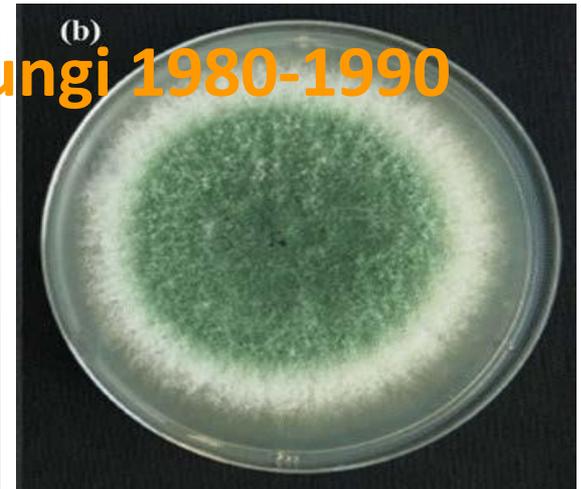
# Problem Soil & Environment Management



# Soil Microbiology and Biofertilizer



**Decomposing fungi 1980-1990**



**Plant Growth Promoting Bacteria 1990-2020**