Site specific N Management practices - U.S.G. leaf colour chart
Surface Seeding of Rice in Water Logged Area

- Wheat seeds broadcasted in standing paddy field or after paddy harvest
- Avoids fallow fields
- Helps in taking one more crop
- Additional yield 3-4 t/ha
- Low lying areas of IGP of India, Bangladesh and Nepal
- Popular in Yangtze River in China
- Saves labour, fuel and tillage costs
R.C. through use of laser land leveling

- Leveling by
  - animal drawn leveler
  - tractor drawn leveler
  - laser land leveler (both direction)
- Poor crop stand
- Laser land leveler
- Over irrigation and uneven distribution due to unevenness
  - increase water application efficiency up to 50%
  - cropping intensity by 40%
  - labour requirement by 35%
  - crop yield by 15 to 66%
Uneven distribution of irrigation water under traditional land leveling

Waterlogging in a wheat field

Laser leveled field prepared for rice transplanting

Non-uniform crop stand in an undulated field