Crop Stress

Conditions which interfere with normal growth & development

Abiotic Stress

1. Weather
2. Soils

Biotic Stress

1. Weeds
2. Insects
3. Diseases
4. Management

Abiotic - Weather

Too Wet
Too Hot
Optimum
Too Cold
Too Dry
Abiotic - Soil
1. pH - acidity - salinity - calcareous
2. Texture - water & fertility capacity
3. Structure - compaction

Managing Crop Stress
1. With cultural practices
2. With genetics

Cultural Practices Management
1. Conventional breeding
2. GMOs

Genetic Management
1. Plant date and rate
2. Moisture conserving tillage