2008 CMDC
Plant Stress –
Dale Flowerday

Crop Stress

Conditions which interfere with normal growth & development

2008CMDC-Flowerday-001

Abiotic Stress

1. Weather
2. Soils

2008CMDC-Flowerday-002

Biotic Stress

1. Weeds
2. Insects
3. Diseases
4. Manageme t

2008CMDC-Flowerday-003

Abiotic - Weather

2008CMDC-Flowerday-004

Abiotic - Soil

1. pH - acidity - salinity
   - calcareous
2. Texture - water & fertility capacity
3. Structure - compaction

2008CMDC-Flowerday-005

Managing Crop Stress

1. With cultural practices
2. With genetics

2008CMDC-Flowerday-006

Cultural Practices Management

1. Conventional breeding
2. GMOs

2008CMDC-Flowerday-007

Genetic Management

1. Plant date and rate
2. Moisture conserving tillage

2008CMDC-Flowerday-008