

2008 CMDC Plant Stress – Dale Flowerday

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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**

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