

2006 CMDC

Assessing Crop Damage & Replant Decisions

Use & Copyright

The materials in this document were developed by and for use by University of Nebraska–Lincoln Extension in the Institute of Agriculture and Natural Resources. The materials are copyrighted by the Board of Regents of the University of Nebraska–Lincoln on behalf of the University of Nebraska–Lincoln Extension. All rights are reserved.

Copies may be printed for individual personal use; however, these materials can not be republished in print, on another Web site or used commercially without prior written permission. To seek permission to print a publication for educational use, please email us at dpittman1@unl.edu.

Disclaimer

Reference to commercial products or trade names in these publications is made with the understanding that no discrimination is intended and no endorsement by University of Nebraska-Lincoln Extension is implied.

Assessing Crop Damage and Replant Decisions

2006cmdc-aug-replant001

Replant Decisions Must Consider:

- **Growing Season**
- **Crop Selection**
 - *Market Access*
 - *Equipment*
- **Herbicide/Fertilizer**
 - *Carry Over and Weed Control*
 - *Kind and Amount*
- **Irrigated/Dryland**
- **Damage - Kind and Amount**

2006cmdc-aug-replant002

Kind & Amount of Damage

- 1. Direct Damage**
 - **Stand Loss**
 - **Grain Loss**
- 2. Indirect Damage**
 - **Defoliation**
 - **Stalk/Stem Bruising**

2006cmdc-aug-replant003

Comparison of Assessment Methods

- 1. NCIS - Crop Insurance**
- 2. Agronomic - Universities**

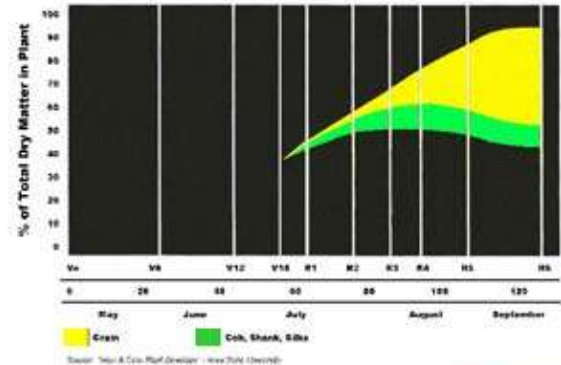
2006cmdc-aug-replant004

Consider

- Replant
- Defoliation
- Pollination

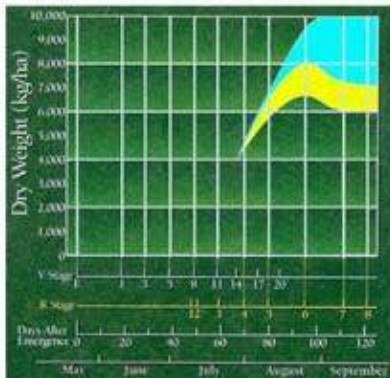
2006cmdc-aug-replant005

Dry Matter - Corn



2006cmdc-aug-replant006

Total Plant Dry Weight - Soybeans



2006cmdc-aug-replant007

What's Left?

- Crop** - Yield
- Season** - GDDs
- Calendar Days

What Can You Get?

- Crop** - Yield
- Use

2006cmdc-aug-replant008

Cause of Crop Damage

Biotic

- **Disease – Dampening Off**
- **Insects – Many**
- **Other – Rodets et. al.**

Abiotic

- **Hail**
- **Flood**
- **Sand Blasting**
- **Drought**

2006cmdc-aug-replant009