

# 2010 CMDC

# Transgenic Corn & Soybeans

# Don Lee

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2009 University of Nebraska–Lincoln Extension CMDC

## Agrobacterium vs gene gun

- **Single copy gene inserts**

Plants regenerated from tissue culture.

2010CMDC-Genetics-Lee001

Event #1

One copy of the transgene (cuts in line)

Event #1

Or... Several copies can insert

2010CMDC-Genetics-Lee002

## Doubled Haploids

Conventional Method

Double Haploid Method

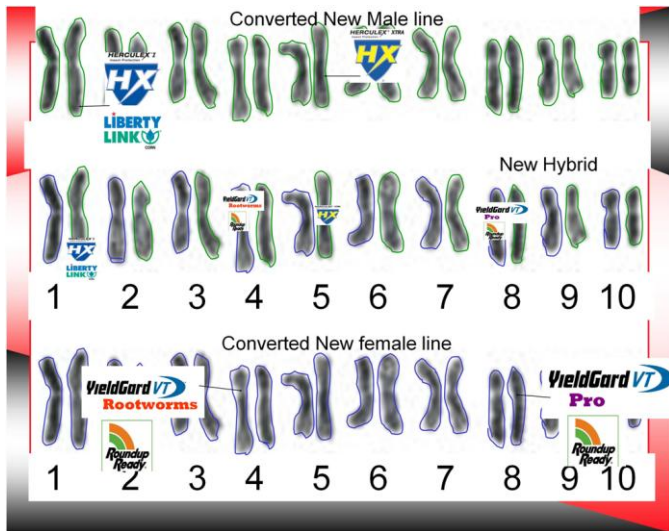
Stock 6

2010CMDC-Genetics-Lee003

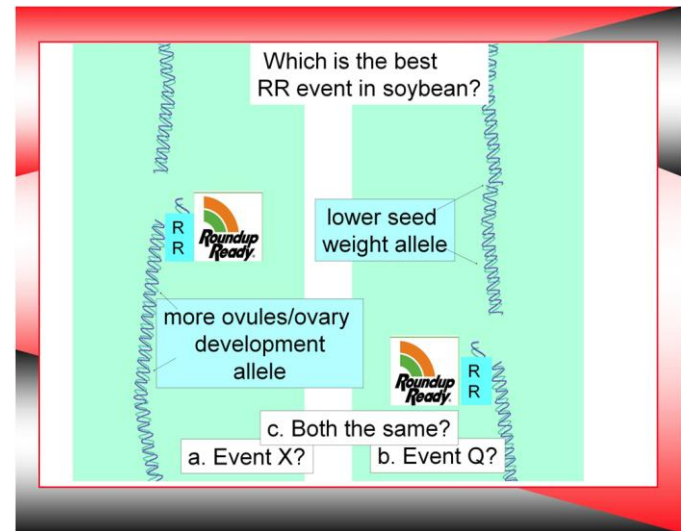
## Platforms

- **Set of same transgenes in every hybrid**
  - 2 genes to kill corn borers
  - 2 genes to kill root worms
  - **Herbicide resistance**

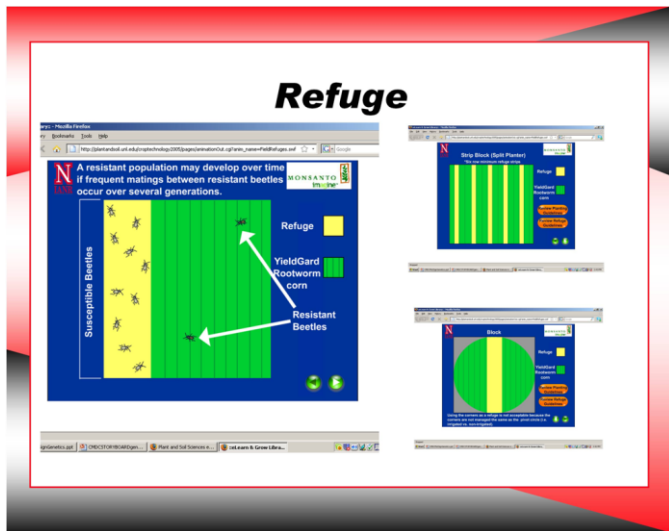
2010CMDC-Genetics-Lee004



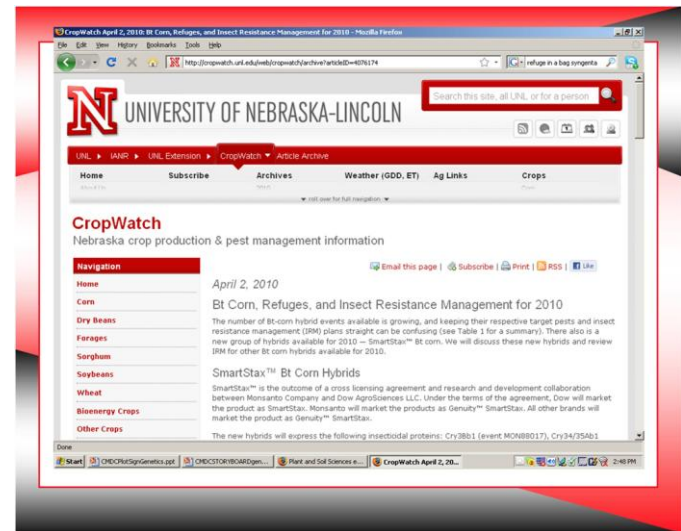
2010CMDC-Genetics-Lee005



2010CMDC-Genetics-Lee006



2010CMDC-Genetics-Lee007



2010CMDC-Genetics-Lee008