

CMDC

ASSORTED YEARS

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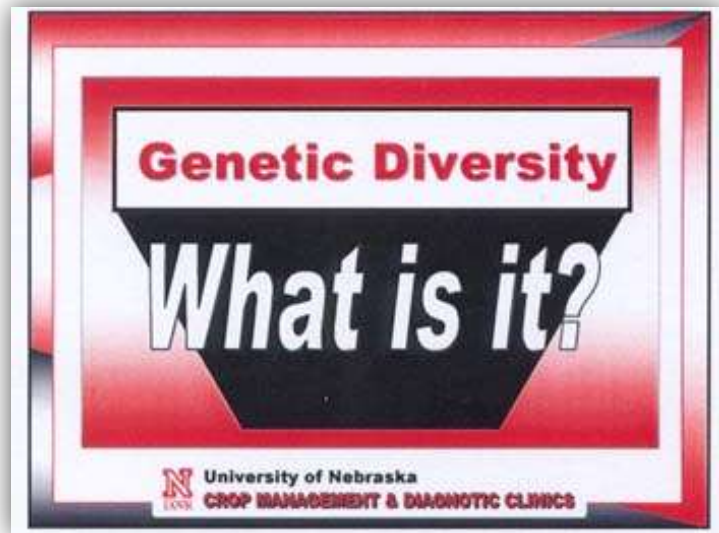
comp1



comp2



comp3



gen1

Hybrid Genetic Makeup Determines

1. Maturity
2. Plant Characteristics
3. Grain Characteristics
4. Tolerance

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gen2

Maturity



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gen3

Grain Characteristics

1. Yield - Highest?
- Most stable?
2. Dry down
3. Test weight
4. Special Trials
 - High Oil
 - Low Phytate



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gen4

Tolerance

1. Drought
2. Insects - Bt
3. Herbicides
4. High pH
5. Cold

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gen5

Stand Variability



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gen6

Glyphosates


Brand	Salt
Roundup (liquid)	IPA
Roundup Ultra Dry	NH ₄
Generics	IPA
Touchdown Pro	DA

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herb1

No-Till Weed Management

- **EPP Residual fb Post if needed**
- **Burndown with/without Residual fb Post**


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herb2

Herbicide Site of Action

II. Amino Acid Synthesis Inhibitor

- A. *ALS - AHAS Inhibitor*
 - 1.
 - 2.
 - 3.
- B. *EPSPS Inhibitor*
- C. *GS Inhibitor*

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herb3

Herbicide Mode of Action

- I. Lipid Synthesis Inhibitors
- II. Amino Acid Synthesis
- III. Seedling Growth Inhibitor
- IV. Growth Regulator
- V. Photosynthesis Inhibitor
- VI. Cell Membrane Disrupter
- VII. Pigment Inhibitor

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Herbicide Selectivity

- Absorption
- Metabolism
- Translocation
- Insensitive Site of Action

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herb5

Enzymes

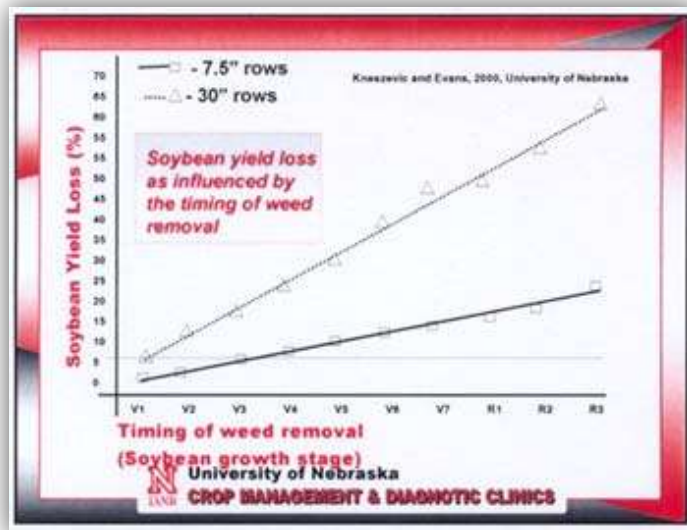
→ Amino Acids: Plant Lives

→ No Amino Acids: Plant Dies

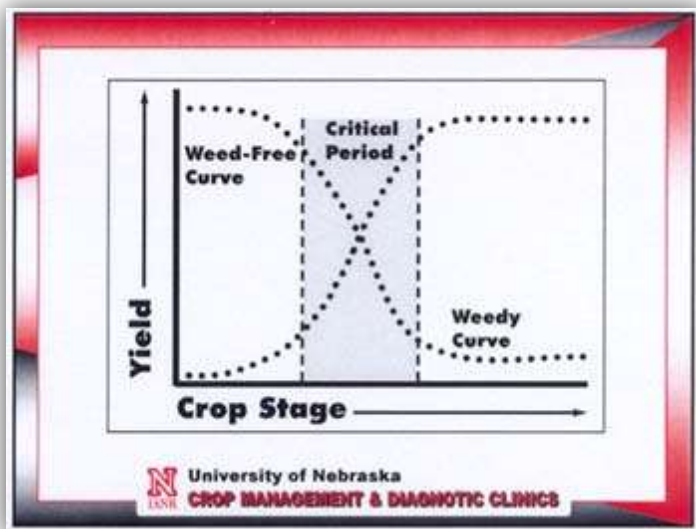
Amino Acids: Plant Lives

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herb6



herb7



herb8