

On-Farm Comparison Results Bowman

FINAL

Nebraska Soybean & Feed Grains Profitability Project

FINAL

| | |
|--|---|
| <i>Years:</i> | 2009-2010 |
| <i>Title:</i> | Planting Depth |
| <i>Crop:</i> | Corn |
| <i>NSFGPP Operator:</i> | Ron Bowman, Dodge County |
| <i>Private Industry Cooperator:</i> | Jerry Mulliken |
| <i>Objective:</i> | To determine & document the profitability of planting deeper. |
| <i>Treatments:</i> | Normal depth (2.25") vs. Deeper depth (3.0") |

April 2011

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Results: 2009

Corn (Lund Field) (Pioneer 32N73)

| <u>Variable</u> | <u>2.25" Depth</u> | <u>3.0" Depth</u> | <u>Prob>/T/</u> |
|-----------------------------------|--------------------|-------------------|--------------------|
| Yield, bu/ac @ 15.5% | 200 | 218 | 0.0123 ** |
| Moisture, % | 32.5 | 32.6 | 0.203 ns |
| Plant Population, 28,200 seeds/ac | | | |

Planting Date: 4/23/09

Harvesting Date: 10/03/09

Corn (Home Field)

| <u>Variable</u> | <u>2.25" Depth</u> | <u>3.0" Depth</u> | <u>Prob>/T/</u> |
|----------------------|--------------------|-------------------|--------------------|
| Yield, bu/ac @ 15.5% | 230 | 240 | 0.0187 ** |

Planting Date: 4/24/09

Harvesting Date: 10/07/09

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Results: 2010

Variable

Yield, bu/ac @ 15.5%

Moisture, %

Plant Population, 32,500 seeds/ac

Corn

2.25" Depth

172

12.9

(Pioneer 1395)

3.0" Depth

171

12.9

Prob>/T/

0.958 ns

0.675 ns

Planting Date: 4/17/10

Harvesting Date: 10/21/10

Summary: Grain yield was increased significantly by planting deeper in both studies in 2009. Planting depth had no effect on grain yield in 2010.

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