

Specialty Corn Demonstration.

02-WF-SE

OBJECTIVE: Examine corn hybrids with Nutri Dense trait compared to a conventional hybrid.

SUMMARY: Corn yield ranged from 118 to 137 bu/A with no significant differences in corn yield among hybrids.

HYBRIDS

ADLER 2650 NM
ADLER 5480 NM
LEWIS ND6002
PIONEER 32H58
PIONEER 33P66

WEEDS

NA - specialty corn

CROP

corn, field

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

Specialty Corn Demonstration.

Project Code: 02-WF-SE Location: Belleville Research Center

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
 Trial Status: Final Updated: 11-4-02

Objective:

Examine corn hybrids with Nutri Dense trait compared to
 a conventional hybrid.

Weed Code Common Name Scientific Name
 1. NA crop evaluation only

Crop 1: ZEAMX corn, field Variety: See note
 Planting Method: Seeded Planting Date: 6-1-02
 Rate: 28000 S/A Depth: 1.5 IN
 Row Spacing: 30 IN

Plot Width, Unit: 20 FT Plot Length, Unit: 180 FT Reps: 3
 Tillage Type: Reduced-Till Study Design: Randomized complete block
 Previous Crop, Year: GLXMA, 2001

Field Prep./Maintenance: N 150 LB/A, P205 50 LB/A, K20 200 LB/A

Texture: Silt loam % OM: 1.7 pH: 6.3 CEC: 11
 Fert. Level: P1: 46 LB/A, K: 162 LB/A

APPLICATION DESCRIPTION

A

Application Method: NA

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX NA
 Height, Unit: NA NA

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code: NA

APPLICATION EQUIPMENT

A

Appl. Equipment: NA
 Operating Pressure: 40 PSI
 Nozzle Type: Flat fan
 Nozzle Size: 8002
 Boom Length, Unit: 7.5 FT
 Spray Volume, Unit: 20 GPA

NOTES:

Corn hybrids are listed in treatment list.
 Harvested Oct-21-02, (2) 30 inch rows by 177 ft.

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Weed Code			
Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	Lodging	Plants	Yield
Rating Unit	000/A	000/A	bu/A
Rating Date	9-25-02	9-25-02	10-21-02
Trt-Eval Interval			

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Prod Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
1	PIONEER 33P66			0		28.9			135
2	PIONEER 32H58			0		29.3			136
3	ADLER 2650 NM			0		31.8			137
4	ADLER 5480 NM			0		29.9			125
5	LEWIS ND6002			0		29.4			118
LSD (P=.05)				0.0		2.09			19.5
Replicate F				0.000		0.811			5.252
Replicate Prob(F)				1.0000		0.4778			0.0349
Treatment F				0.000		3.224			2.007
Treatment Prob(F)				1.0000		0.0745			0.1864

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Trial Comments

1. Protocol: SIU.
2. Blanket PRE application of Bicep II Magnum at 2.1 qt/A on 6-1-02.