

(04TILLAGE2A)

Ohio State University
Horticulture and Crop Science

FALL TILLAGE TRIAL II

Trial ID: 04TILLAGE2 Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH G Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC63-81 RR YG
Planting Date: 4-28-04 **Planting Method:** JOHN DEERE 7200
Rate: 32097 SEED/A **Depth:** 1.5 IN
Row Spacing: 30 IN

SITE AND DESIGN

Plot Width, Unit: 20 FT **Plot Length, Unit:** 200 FT **Reps:** 4
Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance: APPLIED 2.5 PT/A HARNESS XTRA 5.6 ON 4-29-04
APPLIED 22 OZ ROUNDUP WEATHERMAX ON 6-8-04

SOIL DESCRIPTION

% OM: 2.7 **Texture:** silt loam
pH: 6.3 **Soil Name:** Crosby
CEC: 19.3

APPLICATION DESCRIPTION

	A	B	C
Application Date:	11-17-03	11-21-03	4-28-04
Time of Day:	2:00 P.M.	3:00 P.M.	3:00 P.M.
Application Method:	TILLAGE	TILLAGE	TILLAGE
Application Timing:	FALL	FALL	SPRING
Applic. Placement:	SOIL	SOIL	SOIL

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX	ZEAMX	ZEAMX

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Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	# PLANTS	# PLANTS	# PLANTS	# PLANTS
Rating Unit	30 FOOT	30 FOOT	30 FOOT	30 FOOT
Rating Date	5-13-04	5-13-04	6-8-04	6-8-04
Crop Stage	ROW 4	ROW 5	ROW 4	ROW 5
Trt-Eval Interval	7 DAE	7 DAE	30 DAE	30 DAE
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4
1	YETTER STRIP TILLER			A		47	49	51	50
2	NO-TILLAGE			A		44	45	48	48
3	RIPPER			B		45	47	49	49
4	FALL CHISEL			A		39	46	48	50
5	SPRING 1 PASS FINISH			C		45	48	48	49
LSD (P=.05)						9.8	6.3	6.2	5.8
Standard Deviation						6.3	4.1	4.0	3.8
CV						14.46	8.72	8.23	7.75
Replicate F						5.005	5.522	0.825	1.032
Replicate Prob(F)						0.0177	0.0129	0.5048	0.4133
Treatment F						1.013	0.493	0.333	0.169
Treatment Prob(F)						0.4388	0.7411	0.8505	0.9503