

(04TILLAGE1A)

Ohio State University
Horticulture and Crop Science

FALL TILLAGE TRIAL I

Trial ID: 04TILLAGE1 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

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

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

PLOT 201 HAD STANDING WATER KILLING MANY PLANTS

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.
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					53	52	51	49
2	NO-TILLAGE					50	49	53	50
3	RIPPER					50	53	50	49
4	FALL CHISEL					50	47	47	43
5	SPRING 1 PASS FINISH					51	53	50	52
LSD (P=.05)						5.1	4.2	5.9	5.3
Standard Deviation						3.3	2.7	3.8	3.4
CV						6.49	5.38	7.56	6.98
Replicate F						1.430	1.625	0.473	4.742
Replicate Prob(F)						0.2867	0.2400	0.7074	0.0233
Treatment F						0.456	3.485	1.347	4.267
Treatment Prob(F)						0.7662	0.0452	0.3136	0.0251