

(04TILLAGE2)

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

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

**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

(04TILLAGE2)

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

Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	WEIGHT	MOISTURE	YIELD
Rating Unit	LBS	PERCENT	BU/ACRE
Rating Date	10-28-04	10-28-04	10-28-04
Crop Stage			
Trt-Eval Interval	HARVEST	HARVEST	HARVEST
ARM Action Codes			TY1
# Subsamples, Dec.	1	1	1

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7
1	YETTER STRIP TILLER				A	1225.0 a	17.4 a	232.9 a
2	NO-TILLAGE				A	1241.3 a	17.2 a	236.4 a
3	RIPPER				B	1245.0 a	17.3 a	236.9 a
4	FALL CHISEL				A	1230.0 a	17.3 a	234.2 a
5	SPRING 1 PASS FINISH				C	1258.8 a	17.7 a	238.5 a
LSD (P=.05)						72.27	0.44	13.61
Standard Deviation						46.90	0.28	8.83
CV						3.78	1.63	3.75
Replicate F						19.197	6.287	17.835
Replicate Prob(F)						0.0001	0.0083	0.0001
Treatment F						0.320	1.414	0.263
Treatment Prob(F)						0.8594	0.2881	0.8960

Means followed by same letter do not significantly differ (P=.05, LSD)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Column 3: TY1 = 0.1944643\*[5]\*(100-[6])/84.5