

Ohio State University
Horticulture and Crop Science

CROP SAFETY OF CORN AFTER POST GRASS CORN BURNDOWN

Trial ID: 08CORNREPLANT Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH E-1 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 DKC 63-42
Planting Date: Apr/24/2008 Planting Method: JOHN DEERE 7200
Rate: 32097 SEED/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: CONVENTIONAL

Crop 2: ZEAMX CORN, FIELD Variety: DEKALB DKC 63-42
Planting Date: May/01/2008 Planting Method: JOHN DEERE 7200
Rate: 32097 SEED/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: CONVENTIONAL

Crop 3: ZEAMX CORN, FIELD Variety: DEKALB DKC 63-42
Planting Date: May/07/2008 Planting Method: JOHN DEERE 7200
Rate: 32097 SEED/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 40 FT Reps: 3
Tillage Type: CONVENTIONAL Study Design: FACTORIAL

SOIL DESCRIPTION

% OM: 3.1 Texture: SILTY CLAY LOAM
pH: 6.2 Soil Name: KOKOMO
CEC: 23.5 Fert. Level: EXCELLENT

APPLICATION DESCRIPTION

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Application Date: Apr/24/2008
Time of Day: 11:00 A.M
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROADCAST
Air Temp., Unit: 62 F
% Relative Humidity: 39
Wind Velocity, Unit: 8 E
Soil Temp., Unit: 54 F
Soil Moisture: DRY/MOIST
% Cloud Cover: 1

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX
Crop 2 Code, Stage: ZEAMX
Crop 3 Code, Stage: ZEAMX

APPLICATION EQUIPMENT

A

Appl. Equipment: BACKPACK
Operating Pressure: 53
Nozzle Type: DG
Nozzle Size: 11002
Nozzle Spacing, Unit: 18 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 20 GPA
Propellant: CO2

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Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	PHYTO	PHYTO	PHYTO
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	7 DAE	14 DAE	28 DAE
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3
1	FUSION	6 oz/a		2" CORN A		0 a	0 a	0 a
1	COC	0.8 qt/a		2" CORN				
	1 1 DAY AFTER APPLICATION							
2	FUSION	6 oz/a		2" CORN A		0 a	0 a	0 a
2	COC	0.8 qt/a		2" CORN				
	2 1 WEEK AFTER APPLICATION							
3	FUSION	6 oz/a		2" CORN A		0 a	0 a	0 a
3	COC	0.8 qt/a		2" CORN				
	3 2 WEEKS AFTER APPLICATION							
4	SELECT MAX	6 oz/a		2" CORN A		0 a	0 a	0 a
4	COC	0.8 qt/a		2" CORN				
	4 1 DAY AFTER APPLICATION							
5	SELECT MAX	6 oz/a		2" CORN A		0 a	0 a	0 a
5	COC	0.8 qt/a		2" CORN				
	5 1 WEEK AFTER APPLICATION							
6	SELECT MAX	6 oz/a		2" CORN A		0 a	0 a	0 a
6	COC	0.8 qt/a		2" CORN				
	6 2 WEEKS AFTER APPLICATION							
7	TARGA	8 oz/a		2" CORN A		0 a	0 a	0 a
7	COC	0.8 qt/a		2" CORN				
	7 1 DAY AFTER APPLICATION							
8	TARGA	8 oz/a		2" CORN A		0 a	0 a	0 a
8	COC	0.8 qt/a		2" CORN				
	8 1 WEEK AFTER APPLICATION							
9	TARGA	8 oz/a		2" CORN A		0 a	0 a	0 a
9	COC	0.8 qt/a		2" CORN				
	9 2 WEEKS AFTER APPLICATION							
10	UTC					0 a	0 a	0 a
	10 1 DAY AFTER APPLICATION							
11	UTC					0 a	0 a	0 a
	11 1 WEEK AFTER APPLICATION							
12	UTC					0 a	0 a	0 a
	12 2 WEEKS AFTER APPLICATION							
	LSD (P=.05)					0.0	0.0	0.0
	Standard Deviation					0.0	0.0	0.0
	CV					0.0	0.0	0.0
	Bartlett's X2					0.0	0.0	0.0
	P(Bartlett's X2)					.	.	.
	Replicate F					0.000	0.000	0.000
	Replicate Prob(F)					1.0000	1.0000	1.0000
	Treatment F					0.000	0.000	0.000
	Treatment Prob(F)					1.0000	1.0000	1.0000

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