

**Parazone burndown programs in no-till corn**

Trial ID: C13-18\_Updated Study Dir.: Burns, Stiles, Powell, Craft  
 Conducted: Campus T-18 Investigator: Erin Burns

**Planting Date:** **Row Spacing:**  
**Variety:** **No. of Reps:** 4  
**Population:** **% OM:** 3.1  
**Soil Type:** LOAM **pH:** 5.9  
**Plot Size:** 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** standing corn stalks  
**Fertilizer:**

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1	ERICA	horseweed	Conyza canadensis
2	LAMAM	Henbit	Lamium amplexicaule
3	LAMPU	Purple deadnettle	Lamium purpureum
4	TAROF	Dandelion	Taraxacum officinale
5	STEME	Common chickweed	Stellaria media
6	ANGR	mainly foxtail species	annual grass
Crop	Code	Common Name	
1			

**Application Description**

**Application Timing:** A  
**Date Treated:** BURN  
 May-25-2018  
**Time Treated:** 8:15 AM  
**% Cloud Cover:** 20  
**Air Temp., Unit:** 66 F  
**% Relative Humidity:** 70  
**Wind Speed/Unit/Dir:** 2 MPH WSW  
**Soil Temp, Unit:**  
**Leaf Moist/Dew Presence (Y/N):** 3  
**Soil Moist:** 3

**Crop Stage at Each Application**

A  
**Crop 1 Name:**  
**Height:**  
**Stage:**

**Weed Stage at Each Application**

A  
**Weed 1 Name:** ERICA  
**Height:** 2 IN  
**Stage:** 8-12 L  
**Weed 2 Name:** LAMAM  
**Height:** 4 IN  
**Stage:** 6 L  
**Weed 3 Name:** LAMPU  
**Height:** 4 IN  
**Stage:** 6 L  
**Weed 4 Name:** TAROF  
**Height:** 6 IN  
**Stage:** flower  
**Weed 5 Name:** STEME  
**Height:** 6 IN  
**Stage:** flower  
**Weed 6 Name:** ANGR  
**Height:** 2 IN  
**Stage:** 5-8 L

**Application Equipment**

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	BACKPA	3.5 MPH	AIXR	1100	22 IN	20 IN	100 IN	19 GPA	WATER	30 PSI

**Comments:**

# Michigan State University

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Pest Code	ERICA	LAMAM	LAMPU	TAROF	STEME	ANGR	ERICA	LAMAM	LAMPU			
Rating Date	Jun-5-2018	Jun-5-2018	Jun-5-2018	Jun-5-2018	Jun-5-2018	Jun-5-2018	Jun-19-2018	Jun-19-2018	Jun-19-2018			
Rating Type	control	control	control	control	control	control	control	control	control			
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent			
Trt-Eval Interval	11 DA-A	11 DA-A	11 DA-A	11 DA-A	11 DA-A	11 DA-A	25 DA-A	25 DA-A	25 DA-A			
Trt No.	Treatment Name	Rate	Unit	Appl Code								
1	Parazone	2 pt/a	A		100	100	100	100	100	97	100	98
1	Surfactant	0.25 %	v/v	A								
2	Parazone	2 pt/a	A		100	100	100	100	100	100	100	100
2	2,4-D Ester	1 pt/a	A									
2	COC	1 %	v/v	A								
3	Parazone	2 pt/a	A		100	100	100	99	100	100	100	98
3	Clarity	0.5 pt/a	A									
3	COC	1 %	v/v	A								
4	Untreated				0	0	0	0	0	0	0	0
5	Parazone	2 pt/a	A		100	100	100	100	100	99	98	100
5	Atrazine	0.825 lb/a	A									
5	COC	1 %	v/v	A								
6	Parazone	2 pt/a	A		100	100	100	100	100	100	100	100
6	2,4-D Ester	1 pt/a	A									
6	Atrazine	0.825 lb/a	A									
6	COC	1 %	v/v	A								
7	Parazone	2 pt/a	A		100	100	100	100	100	100	100	100
7	Clarity	0.5 pt/a	A									
7	Atrazine	0.825 lb/a	A									
7	COC	1 %	v/v	A								
LSD P=.05		0.8					1.5	0.6	0.8	3.4	2.9	3.4
Standard Deviation		0.5	0.0	0.0			1.0	0.4	0.5	2.3	1.9	2.3
CV		0.64	0.0	0.0			1.21	0.44	0.64	2.73	2.28	2.67

Could not calculate LSD (% mean diff) for columns 2,3 because error mean square = 0.

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Pest Code	TAROF	STEME	ANGR
Rating Date	Jun-19-2018	Jun-19-2018	Jun-19-2018
Rating Type	control	control	control
Rating Unit	percent	percent	percent
Trt-Eval Interval	25 DA-A	25 DA-A	25 DA-A

Trt No.	Treatment Name	Rate	Unit	Appl Code			
1	Parazone	2 pt/a	A		95	98	100
1	Surfactant	0.25 % v/v	A				
2	Parazone	2 pt/a	A		100	100	100
2	2,4-D Ester	1 pt/a	A				
2	COC	1 % v/v	A				
3	Parazone	2 pt/a	A		96	100	100
3	Clarity	0.5 pt/a	A				
3	COC	1 % v/v	A				
4	Untreated				0	0	0
5	Parazone	2 pt/a	A		97	96	100
5	Atrazine	0.825 lb/a	A				
5	COC	1 % v/v	A				
6	Parazone	2 pt/a	A		100	100	100
6	2,4-D Ester	1 pt/a	A				
6	Atrazine	0.825 lb/a	A				
6	COC	1 % v/v	A				
7	Parazone	2 pt/a	A		100	100	100
7	Clarity	0.5 pt/a	A				
7	Atrazine	0.825 lb/a	A				
7	COC	1 % v/v	A				
LSD P=.05					5.1	3.8	0.8
Standard Deviation					3.5	2.6	0.5
CV					4.11	3.04	0.64

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