

Horseweed control with tank-mixtures used in XtendFlex soybean

Trial ID: NC02-20  
Conducted: Campus, T-18

Study Dir.: Constine, Sprague  
Investigator: Christy Sprague

**Planting Date:**  
**Variety:**  
**Population:**  
**Soil Type:** CL clay loam  
**Plot Size:** 10 X 25 FT  
**Row Spacing:**  
**No. of Reps:** 4  
**% OM:** 3.5  
**pH:** 6.3  
**Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** No-till  
**Fertilizer:**

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1	ERICA	Horseweed	Erigeron canadensis
Crop	Code	Common Name	
1			

**Application Description**

**Application Timing:** A  
**Date Treated:** POST  
Jun-1-2020  
**Time Treated:** 1:50 PM  
**% Cloud Cover:** 80  
**Air Temp., Unit:** 75 F  
**% Relative Humidity:** 65  
**Wind Speed/Unit/Dir:** 7 MPH SW  
**Soil Temp, Unit:** 68 F  
**Leaf Moist/Dew Presence (Y/N):** 5  
**Soil Moist:** 5

**Crop Stage at Each Application**

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

**Weed Stage at Each Application**

**Weed 1 Name:** A  
ERICA  
**Height:** 4-6 " (5)  
**Stage:** bolt

**Weed Density**

**Date:** 1  
Jun-1-2020  
**Weed Name:** ERICA  
**Density:** 57 FT<sup>2</sup>

**Application Equipment**

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	CUB	3.8 mph	TTI	11003	22 "	20 "	100 "	19 GPA	WATER	27 psi

**Comments:** Plot 405 possibly sprayed with treatment 6

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Location: Campus, T-18

Trial Year: 2020

Protocol ID: NC02-20

Investigator (Creator): Christy Sprague

Project ID:

Study Director: Constine, Sprague

Sponsor Contact:

Pest Code				ERICA	ERICA	ERICA	ERICA	
Rating Date				Jun-9-2020	Jun-15-2020	Jun-22-2020	Jul-13-2020	
Rating Type				control	control	control	control	
Rating Unit				percent	percent	percent	percent	
Trt-Eval Interval				8 DA-A	14 DA-A	21 DA-A	42 DA-A	
Number of Decimals				0	0	0	0	
Trt No.	Treatment Name	Rate	Appl	Appl				
		Rate Unit	Timing	Code				
1	Roundup PowerMax AMS	32 fl oz/a 8.5 lb/100 gal	POST	A	5	4	0	0
2	Liberty AMS	32 fl oz/a 8.5 lb/100 gal	POST	A	88	90	69	30
3	Liberty Roundup PowerMax AMS	32 fl oz/a 32 fl oz/a 8.5 lb/100 gal	POST	A	73	74	50	21
4	XtendiMax Intact	22 fl oz/a 0.5 % v/v	POST	A	46	64	74	84
5	Untreated				0	0	0	0
6	XtendiMax Roundup PowerMax Intact	22 fl oz/a 32 fl oz/a 0.5 % v/v	POST	A	45	66	80	93
7	Liberty XtendiMax MON 301471	32 fl oz/a 22 fl oz/a 1.5 % v/v	POST	A	71	85	85	83
8	Liberty XtendiMax Roundup PowerMax MON 301471	32 fl oz/a 22 fl oz/a 32 fl oz/a 1.5 % v/v	POST	A	59	70	78	82
	LSD P=.05				7.5	7.3	8.7	6.2
	Standard Deviation				5.1	5.0	5.9	4.2
	CV				10.58	8.81	11.04	8.75