

**University of Wisconsin-Madison**  
Weed Science Program

**Bicyclopyrone: Weed Control and Corn Tolerance**  
(Syngenta)

**Location:** Janesville, WI

**Site and Design:**

- A. Treated plot width: 10 FT
- B. Treated plot length: 28 FT

- C. Tillage type: conventional till
- D. Study design: Randomized Complete Block 4 reps

**Planting date:** 5/13/2015

**Application Description:**

	<b>A</b>
<b>Application Date:</b>	5/13/2015
<b>Type of Application</b>	PRE
<b>Crop Stage</b>	-
<b>Avg Weed Height</b>	-
<b>Days until Precipitation</b>	2 days
<b>Air Temperature, Unit:</b>	67 F
<b>% Relative Humidity:</b>	42
<b>Wind Velocity, Unit:</b>	6 MPH
<b>Soil Temperature, Unit:</b>	60 F
<b>% Cloud Cover:</b>	5

**Application Equipment:**

	<b>A</b>
<b>Appl. Equipment:</b>	CO2 Backpack
<b>Operating Pressure, Unit:</b>	27 PSI
<b>Nozzle Type:</b>	Flat Fan
<b>Nozzle Spacing, Unit:</b>	15 IN
<b>Nozzles/Row:</b>	8
<b>Boom Length, Unit:</b>	10 FT
<b>Boom Height, Unit:</b>	18 IN
<b>Ground Speed, Unit:</b>	3 MPH
<b>Carrier:</b>	WATER
<b>Spray Volume, Unit:</b>	15 GAL/AC
<b>Mix Size, Unit:</b>	1.89 L

**HOW DATA WERE SUMMARIZED:** Weed control, crop injury and yield were averaged among the 4 replications and values are provided in the tables. As variability in performance/safety can occur among replications we have provided standard deviations for each average. The standard deviation should be considered when comparing means among treatments as this provides users with an idea of how variable the response was observed in the field.

Rating Date						Green Foxtail	Lambsquarters	Giant Ragweed	Corn Yield
Rating Type						10/13	10/13	10/13	10/26
Trt No.	Treatment Name	Rate	Rate Unit	Appl. Code		% cntrl	% cntrl	% cntrl	YIELD bu./A
1	Untreated Check				avg stdev	0	0	0	35 25
2	A20540	2050	gai/ha	A	avg stdev	96 8	99 3	54 31	181 58
3	Acuron 3.44 ZC	2890	gai/ha	A	avg stdev	96 7	96 8	44 28	151 14
4	Surestart II 4.25 SC	1340	gai/ha	A	avg stdev	85 30	100 0	10 20	82 57
5	Capreno 3.45 SC	91	gai/ha	A	avg	94	98	23	67
	Parallel 7.8 EC	1640	gai/ha	A	stdev	13	5	39	59
	Atrazine 4L 4 SC	560	gai/ha	A					
6	Instigate 45.84 WG	193	gai/ha	A	avg	96	90	45	139
	Rimsulfuron	18	gai/ha	A	stdev	7	12	21	25
	Mesotrione	175	gai/ha	A					
7	Verdict 5.57 EC	780	gai/ha	A	avg stdev	96 8	90 12	41 37	90 81