

## Evaluation of the Impact of Herbicide Tank Mix Partners with MON76980 (Xtendimax) herbicide in Xtend Soybeans at Rochester, MN in 2017.

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The objective of this trial was to evaluate the impact of various herbicide tank mix partners with MON76980 (Xtendimax) herbicide on Xtend soybeans in southeastern Minnesota. The research site was a Lawler loam series with pH of 6.0, O.M. 2.3% and soil test P and K levels of 44 ppm and 164 ppm, respectively. The field was fall chisel plowed, and was disked once and field cultivated twice in the spring prior to planting. Fall fertilizer was broadcast on November 3, 2016 at a rate of 0-46-180-0 lbs/A. The previous crop was corn. Asgrow AG21X7 Xtend soybean was planted on May 26, 2017 at a depth of 1.5 inch in 30-inch rows at a rate of 165,000 seeds per acre. The crop emerged on June 5, 2017. A randomized complete block design was used with four replications. Preemergence (PRE) and postemergence (POST) treatments were applied with a tractor-mounted sprayer delivering 15 gpa at 30 psi with a ground speed of 4.5 mph using TTI 11002 nozzles. Plots were evaluated on June 16, July 3, July 13, and October 4. Application dates, environmental conditions, and weed stages can be found in Table 1. Performance rating for giant ragweed, common waterhemp, common lambsquarters, and grass control, and crop injury from herbicides are reported in Tables 2 through 6, respectively.

### Summary:

Significant crop injury was observed when either Cobra or Warrant Ultra herbicides were included in the postemergence tank mix applied on June 21 to V3 soybeans. Cobra herbicide resulted in 60% injury to the soybeans, Table 6. Warrant Ultra herbicide plus Destiny HC and Wheelhouse additives resulted in 53% crop injury, Table 6. The addition of Xtendimax and Roundup PowerMax to Warrant Ultra herbicide plus Detiny HC and Wheelhouse resulted in 59% crop injury, which was the same as the injury observed with Cobra, Table 6. Crop yield did not differ statistically across all treatments, even with 60% injury to V3 soybean. (University of Minnesota Extension Regional Office, Rochester.)

**Table 1. Application timing, plant stage, environmental conditions.**

Date	5/27	6/21	7/7
<b>Treatment</b>	PRE	POST I	POST II
	A	B	C
<b>Temperature (°F)</b>			
Air	71	74	73
Soil	63.4	72.4	81.4
<b>Relative Humidity (%)</b>	63	55	61
<b>Wind (mph)</b>	13	16	8
<b>Soil Moisture</b>	NORMAL	NORMAL	NORMAL
<b>Soybean</b>			
Stage		V3	V6
Height (in)		6.6	13.5
<b>Giant Ragweed</b>			
Weed Density (ft <sup>2</sup> )		1.5	
Height (in)		5.3	4.5
<b>Common Lambsquarter</b>			
Weed Density (ft <sup>2</sup> )		5.3	
Height (in)		2.1	3.3
<b>Common Waterhemp</b>			
Weed Density (ft <sup>2</sup> )		20.0	
Height (in)		2.4	3.0
<b>Grass</b>			
Weed Density (ft <sup>2</sup> )		4	
Height (in)		2.4	3.5
<b>Rainfall after each application (in)</b>			
Week 1	0.1	0.95	0.53
Week 2	0.08	1.53	3.34
Week 3	1.07	0.53	2.02

**Table 2. Giant ragweed control with Xtendimax plus tank mix partners in Xtend soybeans at Rochester, MN in 2017.**

Pest Code Rating Date				Giant Ragweed				YIELD	
				Jun-16-2017	Jul-3-2017	Jul-13-2017	Oct 4-2017	Oct-18-2017	
Trt	Treatment	Rate	Appl	Percent Control (%)				Bu/A	
<b>PRE (5/26/217) / POST I (6/21/17) / POST II (7/7/17)</b>									
1	SOA 15,9 WARRANT ROUNDUP POWERMAX ROUNDUP POWERMAX	48 32 32	fl oz/a fl oz/a fl oz/a	A B C	10.0	96.3 ab	98.5 a	98.3	45.3
2	SOA 15, 4, 9 WARRANT MON76980 ROUNDUP POWERMAX	48 22 32	fl oz/a fl oz/a fl oz/a	A B C	10.0	93.0 bc	99.0 a	98.8	47.5
3	SOA 15, 14, 9 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 10 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	10.0	92.0 c	97.0 a	97.8	42.6
4	SOA 15, 14, 9 WARRANT WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 48 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	10.0	82.5 d	91.8 b	96.8	43.1
5	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 ROUNDUP POWERMAX	48 32 22 32	fl oz/a fl oz/a fl oz/a fl oz/a	A B B C	10.0	98.3 a	99.0 a	98.5	46.7
6	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	10.0	99.0 a	99.0 a	98.8	42.1
7	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ROUNDUP POWERMAX	48 32 22 48 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	10.0	98.8 a	99.0 a	98.8	43.7
8	SOA 15,9,4,1 WARRANT ROUNDUP POWERMAX MON76980 SELECT MAX ROUNDUP POWERMAX	48 32 22 6 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	10.0	98.8 a	98.8 a	98.8	47.2
9	SOA 15,9,4,2 WARRANT ROUNDUP POWERMAX MON76980 FIRSTRATE ROUNDUP POWERMAX	48 32 22 0.6 32	fl oz/a fl oz/a fl oz/a oz wt/a fl oz/a	A B B B C	10.0	98.8 a	99.0 a	98.5	43.4
10	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	10.0	98.8 a	99.0 a	99.0	43.7
11	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B C	10.0	99.0 a	99.0 a	98.8	44.7
12	SOA 15,9,4,14,1 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SELECT MAX SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 6 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B B C	10.0	99.0 a	99.0 a	98.5	44.0
<b>LSD P=.10</b>					<b>NS</b>	<b>3.4</b>	<b>2.9</b>	<b>NS</b>	<b>NS</b>

**Table 3. Waterhemp control with Xtendimax plus tank mix partners in Xtend soybeans at Rochester, MN in 2017.**

Pest Code				Common Waterhemp				YIELD Oct-18-2017				
				Jun-16-2017	Jul-3-2017	Jul-13-2017	Oct 4-2017					
Rating Date				Percent Control (%)				Bu/A				
Trt	Treatment	Rate	Appl									
<b>PRE (5/12/17) / POST I (6/21/17) / POST II (7/7/17)</b>												
1	SOA 15,9 WARRANT ROUNDUP POWERMAX ROUNDUP POWERMAX	48 32 32	fl oz/a fl oz/a fl oz/a	A B C	80.0	97.3	b	96.8	b	95.8	b	45.3
2	SOA 15, 4, 9 WARRANT MON76980 ROUNDUP POWERMAX	48 22 32	fl oz/a fl oz/a fl oz/a	A B C	81.3	96.3	c	98.5	a	98.5	a	47.5
3	SOA 15, 14, 9 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 10 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	81.3	98.8	a	99.0	a	99.0	a	42.6
4	SOA 15, 14, 9 WARRANT WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 48 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	81.3	98.8	a	99.0	a	99.0	a	43.1
5	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 ROUNDUP POWERMAX	48 32 22 32	fl oz/a fl oz/a fl oz/a fl oz/a	A B B C	81.3	99.0	a	98.8	a	99.0	a	46.7
6	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	82.5	99.0	a	99.0	a	98.8	a	42.1
7	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ROUNDUP POWERMAX	48 32 22 48 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	80.0	98.8	a	99.0	a	98.5	a	43.7
8	SOA 15,9,4,1 WARRANT ROUNDUP POWERMAX MON76980 SELECT MAX ROUNDUP POWERMAX	48 32 22 6 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	83.8	99.0	a	99.0	a	98.5	a	47.2
9	SOA 15,9,4,2 WARRANT ROUNDUP POWERMAX MON76980 FIRSTRATE ROUNDUP POWERMAX	48 32 22 0.6 32	fl oz/a fl oz/a fl oz/a oz wt/a fl oz/a	A B B B C	82.0	99.0	a	99.0	a	98.3	a	43.4
10	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	78.3	99.0	a	99.0	a	98.8	a	43.7
11	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B C	81.3	99.0	a	99.0	a	99.0	a	44.7
12	SOA 15,9,4,14,1 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SELECT MAX SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 6 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B B C	80.0	99.0	a	99.0	a	99.0	a	44.0
<b>LSD P=.10</b>					<b>NS</b>	<b>0.8</b>		<b>0.8</b>		<b>1.1</b>		<b>NS</b>

**Table 4. Common lambsquarters control with Xtendimax plus tank mix partners in Xtend soybeans at Rochester, MN in 2017.**

Pest Code	Rating Date	Trt	Treatment	Rate	Appl	Common Lambsquarters				YIELD	
						Jun-16-2017	Jul-3-2017	Jul-13-2017	Oct 4-2017	Oct-18-2017	
						Percent Control (%)				Bu/A	
<b>PRE (5/12/17) / POST I (6/21/17) / POST II (7/7/17)</b>											
1	SOA 15,9					75.0	98.0	a	99.0	98.3	45.3
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
2	SOA 15, 4, 9					77.5	92.5	b	99.0	98.8	47.5
	WARRANT	48	fl oz/a	A							
	MON76980	22	fl oz/a	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
3	SOA 15, 14, 9					75.0	52.5	d	98.5	98.5	42.6
	WARRANT	48	fl oz/a	A							
	COBRA	10	fl oz/a	B							
	SUPERB HC	0.5	% v/v	B							
	WHEELHOUSE	0.5	% v/v	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
4	SOA 15, 14, 9					79.5	62.5	c	98.3	98.5	43.1
	WARRANT	48	fl oz/a	A							
	WARRANT ULTRA	48	fl oz/a	B							
	DESTINY HC	0.5	% v/v	B							
	WHEELHOUSE	0.5	% v/v	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
5	SOA 15,9,4					74.5	99.0	a	98.8	99.0	46.7
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
6	SOA 15,9,4,14					77.0	99.0	a	99.0	98.8	42.1
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	COBRA	10	fl oz/a	B							
	SUPERB HC	0.5	% v/v	B							
	WHEELHOUSE	0.5	% v/v	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
7	SOA 15,9,4					75.0	99.0	a	99.0	99.0	43.7
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	WARRANT	48	fl oz/a	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
8	SOA 15,9,4,1					75.0	99.0	a	98.8	98.5	47.2
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	SELECT MAX	6	fl oz/a	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
9	SOA 15,9,4,2					75.8	99.0	a	99.0	98.8	43.4
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	FIRSTRATE	0.6	oz wt/a	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
10	SOA 15,9,4,14					78.3	99.0	a	99.0	98.8	43.7
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	WARRANT ULTRA	48	fl oz/a	B							
	DESTINY HC	0.5	% v/v	B							
	WHEELHOUSE	0.5	% v/v	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
11	SOA 15,9,4,14					78.8	99.0	a	99.0	98.8	44.7
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	WARRANT	48	fl oz/a	B							
	COBRA	10	fl oz/a	B							
	SUPERB HC	0.5	% v/v	B							
	WHEELHOUSE	0.5	% v/v	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
12	SOA 15,9,4,14,1					75.8	99.0	a	99.0	99.0	44.0
	WARRANT	48	fl oz/a	A							
	ROUNDUP POWERMAX	32	fl oz/a	B							
	MON76980	22	fl oz/a	B							
	WARRANT	48	fl oz/a	B							
	COBRA	10	fl oz/a	B							
	SELECT MAX	6	fl oz/a	B							
	SUPERB HC	0.5	% v/v	B							
	WHEELHOUSE	0.5	% v/v	B							
	ROUNDUP POWERMAX	32	fl oz/a	C							
<b>LSD P=-.10</b>						<b>NS</b>	<b>4.5</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>

**Table 5. Grass control with Xtendimax plus tank mix partners in Xtend soybeans at Rochester, MN in 2017.**

Pest Code					GRASS				YIELD Oct-18-2017	
					Jun-16-2017	Jul-3-2017	Jul-13-2017	Oct 4-2017		
Rating Date					Percent Control (%)				Bu/A	
Trt	Treatment	Rate	Appl							
<b>PRE (5/12/17) / POST I (6/21/17) / POST II (7/7/17)</b>										
1	SOA 15,9 WARRANT ROUNDUP POWERMAX ROUNDUP POWERMAX	48 32 32	fl oz/a fl oz/a fl oz/a	A B C	95.8	99.0	a	99.0	99.0	45.3
2	SOA 15, 4, 9 WARRANT MON76980 ROUNDUP POWERMAX	48 22 32	fl oz/a fl oz/a fl oz/a	A B C	97.0	97.0	b	99.0	99.0	47.5
3	SOA 15, 14, 9 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 10 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	97.0	97.5	b	99.0	99.0	42.6
4	SOA 15, 14, 9 WARRANT WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 48 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	96.5	98.5	a	99.0	99.0	43.1
5	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 ROUNDUP POWERMAX	48 32 22 32	fl oz/a fl oz/a fl oz/a fl oz/a	A B B C	96.5	99.0	a	99.0	99.0	46.7
6	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	97.5	99.0	a	99.0	98.5	42.1
7	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ROUNDUP POWERMAX	48 32 22 48 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	96.5	99.0	a	99.0	99.0	43.7
8	SOA 15,9,4,1 WARRANT ROUNDUP POWERMAX MON76980 SELECT MAX ROUNDUP POWERMAX	48 32 22 6 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	96.5	99.0	a	99.0	98.8	47.2
9	SOA 15,9,4,2 WARRANT ROUNDUP POWERMAX MON76980 FIRSTRATE ROUNDUP POWERMAX	48 32 22 0.6 32	fl oz/a fl oz/a fl oz/a oz wt/a fl oz/a	A B B B C	97.0	99.0	a	99.0	98.8	43.4
10	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	97.5	99.0	a	99.0	99.0	43.7
11	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B C	97.5	99.0	a	99.0	99.0	44.7
12	SOA 15,9,4,14,1 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SELECT MAX SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 6 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B B C	97.5	99.0	a	99.0	99.0	44.0
<b>LSD P=.10</b>					<b>NS</b>	<b>0.9</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>

**Table 6. Soybean response to Xtendimax herbicide plus tank mix partners at Rochester, MN in 2017.**

Pest Code Rating Date					Soybean Injury			YIELD Oct-18-2017 Bu/A	
					Jun-16-2017	Jul-3-2017	Jul-13-2017		
Trt	Treatment	Rate	Appl	Percent Injury (%)					
<b>PRE (5/12/17) / POST I (6/21/17) / POST II (7/7/17)</b>									
1	SOA 15,9 WARRANT ROUNDUP POWERMAX ROUNDUP POWERMAX	48 32 32	fl oz/a fl oz/a fl oz/a	A B C	0.0	0.0	e	0.0	45.3
2	SOA 15, 4, 9 WARRANT MON76980 ROUNDUP POWERMAX	48 22 32	fl oz/a fl oz/a fl oz/a	A B C	0.0	0.0	e	0.0	47.5
3	SOA 15, 14, 9 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 10 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	0.0	60.0	a	0.0	42.6
4	SOA 15, 14, 9 WARRANT WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 48 0.5 0.5 32	fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B C	0.0	52.5	b	0.0	43.1
5	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 ROUNDUP POWERMAX	48 32 22 32	fl oz/a fl oz/a fl oz/a fl oz/a	A B B C	0.0	6.3	d	0.0	46.7
6	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	0.0	60.0	a	0.0	42.1
7	SOA 15,9,4 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ROUNDUP POWERMAX	48 32 22 48 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	0.0	12.5	c	0.0	43.7
8	SOA 15,9,4,1 WARRANT ROUNDUP POWERMAX MON76980 SELECT MAX ROUNDUP POWERMAX	48 32 22 6 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a	A B B B C	0.0	8.8	d	0.0	47.2
9	SOA 15,9,4,2 WARRANT ROUNDUP POWERMAX MON76980 FIRSTRATE ROUNDUP POWERMAX	48 32 22 0.6 32	fl oz/a fl oz/a fl oz/a oz wt/a fl oz/a	A B B B C	0.0	15.0	c	0.0	43.4
10	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT ULTRA DESTINY HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B C	0.0	58.8	a	0.0	43.7
11	SOA 15,9,4,14 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B C	0.0	60.0	a	0.0	44.7
12	SOA 15,9,4,14,1 WARRANT ROUNDUP POWERMAX MON76980 WARRANT COBRA SELECT MAX SUPERB HC WHEELHOUSE ROUNDUP POWERMAX	48 32 22 48 10 6 0.5 0.5 32	fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a fl oz/a % v/v % v/v fl oz/a	A B B B B B B B C	0.0	60.0	a	0.0	44.0
<b>LSD P=.10</b>					<b>NS</b>	<b>3.1</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>