

Cover Crop / Herbicide Interaction Demonstration

Plot Technicians:
Austin Carlson and Anthony Bly

July 27 - Triticale Harvested
July 28 - Herbicides sprayed
July 29 - Cover Crops planted

Herbicides = 5 ft strips sprayed north to south
CC = 5 ft strips planted west to east

Warm Season Cool Season Warm & Cool Seasons

Greatest herbicide impact Least herbicide impact
0 1 2 3 4 5 6 7 8 9 10

Herbicide	oz/a	Irrigated Plot: 2.5" more moisture compared to the dryland plot	Sorghum	Sudangrass	Sunflower	Cowpea	Buckwheat	Cereal Rye	Barley	Triticale	Oats	Radish	Forage Pea	Turnip	Hairy Vetch
			0	1	2	3	4	5	6	7	8	9	10		
Sharpen	0.25		4	2	3	3	6	7	9	6	8	3	10	3	
	1		7	0	8	4	7	6	10	4	4	5	1	5	
Dicamba	4		9	3	8	8	8	8	8	8	8	3	8	8	
	16		3	1	0	7	8	8	7	6	6	1	5	5	
2,4-D Amine	4		7	3	6	9	8	8	8	7	9	4	7	6	
	16		7	4	4	7	8	8	8	7	6	2	4	2	
2,4-D Ester	4		7	4	8	9	8	7	9	8	10	7	9	8	
	16		5	3	6	6	8	6	7	5	6	2	5	5	
Stinger	2		4	1	5	6	8	8	9	8	10	1	9	1	
	8		2	0	3	4	8	8	9	6	7	0	6	0	
Glyphosate	24		4	3	5	4	8	8	8	9	6	10	9	9	
	32		6	2	5	4	8	8	8	8	8	10	9	9	
Pursuit	3		0	5	10	1	2	1	1	0	0	10	0	8	
	6		0	8	10	2	3	2	2	0	0	10	0	10	
Liberty	22		10	3	6	7	9	9	8	8	10	7	10	9	
	29		10	3	5	4	9	8	8	8	10	7	10	9	
Harmony	0.5		9	3	6	3	8	8	8	8	7	7	3	7	
	0.9		10	6	7	6	8	8	8	8	10	7	6	9	
Express	0.17		7	2	8	3	8	8	8	7	8	7	7	6	
	0.33		3	0	8	1	8	8	8	7	5	4	3	3	
Bromoxynl	16		7	1	9	9	9	9	9	9	9	8	8	7	
	24		8	2	8	8	9	9	9	9	9	8	8	7	
Aim	1.5		7	2	9	7	7	7	8	9	8	7	5	6	
	2		6	0	9	7	7	7	8	9	6	5	3	5	
Tacoma	2		6	0	4	0	8	8	8	7	1	1	0	2	
	6		1	0	7	3	8	8	8	7	4	3	1	4	

Herbicide	oz/a	Dryland Plot: 2.5" less moisture compared to irrigated plot	Sorghum	Sudangrass	Sunflower	Cowpea	Buckwheat	Cereal Rye	Barley	Triticale	Oats	Radish	Forage Pea	Turnip	Hairy Vetch
			0	1	2	3	4	5	6	7	8	9	10		
Sharpen	0.25		6	1	5	6	6	6	5	5	5	7	6	9	8
	1		6	1	5	5	5	5	7	7	7	0	3	1	8
Dicamba	4		7	4	2	8	6	5	6	6	6	9	2	8	8
	16		5	0	0	7	4	4	4	4	4	9	0	7	6
2,4-D Amine	4		7	4	5	7	6	6	6	6	7	6	5	6	7
	16		7	1	4	7	6	6	6	6	7	4	3	3	4
2,4-D Ester	4		9	4	6	8	4	5	5	5	8	8	6	8	6
	16		5	1	4	8	4	5	5	5	6	6	4	7	6
Stinger	2		7	0	3	5	7	7	7	8	8	8	2	9	9
	8		5	0	1	3	5	7	8	8	8	8	1	9	6
Glyphosate	24		8	4	6	8	8	8	8	8	8	9	7	7	9
	32		8	2	6	7	8	8	8	8	8	8	6	7	9
Pursuit	3		0	0	9	0	3	1	0	0	0	0	10	0	10
	6		0	2	10	1	4	2	1	0	0	0	10	0	7
Liberty	22		9	3	9	9	9	9	9	9	8	10	9	10	10
	29		9	1	8	9	9	9	9	9	8	10	9	10	10
Harmony	0.5		7	0	6	5	8	7	8	8	7	7	7	3	8
	0.9		9	2	8	8	8	7	8	8	8	8	9	6	5
Express	0.17		8	3	6	6	7	7	8	8	8	6	7	6	8
	0.33		6	2	4	3	7	7	8	8	8	2	4	5	5
Bromoxynl	16		7	2	7	7	8	8	8	8	8	8	7	7	8
	24		7	3	7	5	8	8	8	8	8	8	7	7	8
Aim	1.5		9	2	6	6	9	9	9	9	9	8	9	5	9
	2		7	0	5	8	9	9	9	9	9	9	7	8	9
Tacoma	2		6	2	6	7	7	7	9	9	9	8	4	7	8
	6		6	1	6	7	8	7	9	9	8	7	9	9	8

5 ft W-E

5 ft W-E

5 ft N-S