

Cover Crop / Herbicide Interaction Demonstration

Plot Technicians:

Austin Carlson and Anthony Bly

July 24 - Wheat Harvested

July 26 - Herbicides sprayed

July 29 - Cover Crops planted

Herbicides = 5 ft strips sprayed South to North

CC = 7.5 ft strips planted east to west

		Warm Season						Cool Season							
		Sorghum	Sudan	Millet	Teff	Sunhemp	Sunflower	Cow Pea	Rye	Triticale	Oats	Radish	Turnip	Hairy Vetch	Rape
South	oz/a														
	Sharpen	0.25	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape
1		SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Dicamba	4	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	16	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
2,4-D Amine	4	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	16	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
2,4-D Ester	4	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	16	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Stinger	2	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	8	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Glyphosate	24	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	32	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Pursuit	3	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	6	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Liberty	22	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	29	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Harmony	0.5	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	0.9	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Express	0.17	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	0.33	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Bromoxynl	16	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	24	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Aim	1.5	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	2	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
Tacoma	2	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	
	6	SS	Millet	Teff	SH	Sflw	CwP	Rye	Trit	Oats	Radish	Turnip	H Vetch	Rape	

5ft E-W

7.5 ft N-S

Evaluation: Cover Crop / Herbicide Interaction Demonstration

Plot Technicians:

Austin Carlson and Anthony Bly

evaluated = 8-29-22

July 24 - Wheat Harvested

July 26 - Herbicides sprayed

July 29 - Cover Crops planted

Herbicides = 5 ft strips sprayed South to North

CC = 7.5 ft strips planted east to west

		Warm Season							Cool Season						
		Sorghum		Millet	Teff	Sunhemp	Sunflower	Cow Pea	Rye	Triticale	Oats	Radish	Turnip	Hairy Vetch	Rape
		oz/a	Sudan												
South	Sharpen	0.25	7	10	7	6	3	9	9	9	8	4	2	9	4
		1	8	10	5	8	2	9	9	8	8	3	3	9	3
	Dicamba	4	7	8	8	5	6	7	10	10	9	9	10	7	9
		16	5	6	5	4	4	1	10	10	8	9	10	3	9
	2,4-D Amine	4	7	9	3	6	8	8	10	9	8	9	9	4	9
		16	6	9	4	5	4	6	10	10	7	7	7	1	8
	2,4-D Ester	4	10	10	6	6	7	8	7	9	9	9	9	6	8
		16	9	10	6	8	7	8	6	7	8	8	8	3	6
	Stinger	2	10	10	10	7	3	8	9	8	9	10	10	1	10
		8	10	10	10	7	3	8	8	6	9	10	10	1	10
	Glyphosate	24	10	10	10	10	10	10	10	10	10	10	10	10	10
		32	10	10	10	10	10	10	10	10	10	10	10	10	10
	Pursuit	3	0	4	4	4	5	10	7	7	4	0	0	8	0
		6	0	1	2	2	5	10	4	4	1	0	0	8	0
	Liberty	22	9	10	7	9	9	10	10	10	9	10	10	10	10
		29	8	10	7	9	9	10	10	10	6	10	10	10	10
	Harmony	0.5	6	7	8	8	6	10	10	10	10	7	3	8	5
		0.9	6	7	7	6	4	10	10	10	10	7	3	6	3
	Express	0.17	7	9	9	6	6	10	10	10	10	10	10	10	9
		0.33	6	9	6	6	6	10	10	9	10	10	10	10	9
Bromoxynl	16	7	10	9	8	5	7	10	10	10	10	10	10	10	
	24	6	10	9	8	5	7	10	10	10	10	10	10	10	
Aim	1.5	8	10	6	5	5	10	10	10	10	8	8	10	9	
	2	5	10	5	5	2	10	10	10	10	6	6	10	7	
Tacoma	2	8	9	7	3	3	10	8	8	8	7	8	8	9	
	6	6	8	6	1	1	10	8	8	8	6	6	7	9	

5ft E-W

7.5 ft N-S

10 = no injury or effect on stand or biomass
 0 = maximum effect or stand and biomass loss

red 0-3
 Yellow 4-7
 green 8-10