

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