

2009 Soybean Herbicide Evaluation - Waseca

Tall waterhemp site

| Herbicide | Rate (Product/A) | Giant | Tall | Yield (bu/A) | Cost ----(\$/A)---- | Returns |
|---|----------------------------------|-----------------------|-----------|-----------------|------------------------|---------|
| | | foxtail | waterhemp | | | |
| | | -----(% control)----- | | | | |
| <u>Preemergence/ POST I (4-inch weeds)</u> | | | | | | |
| Boundary / Flexstar + Fusion + Harmony GT + MSO + .5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5' | | 98 | 68 | 36.1 | 63.54 | 283 |
| Authority First / Raptor + Select + COC + 28%N | 6.4 oz / 4 oz + 6 oz + 1% 2.5% | 98 | 84 | 43.5 | 80.30 | 338 |
| Gangster / Raptor + Select + COC + 28%N | 3 oz / 4 oz + 6 oz + 1% 2.5% | 98 | 60 | 27.3 | 70.86 | 191 |
| <u>Preemergence/ POST II (6-inch weeds)</u> | | | | | | |
| Authority First / Roundup Original Max + AMS | 3.2 oz / 22 oz + 3 qt | 99 | 99 | 50.5 | 48.55 | 436 |
| Authority Asist / Roundup Original Max + AMS | 5 oz / 22 oz + 3 qt | 99 | 99 | 50.3 | 47.12 | 435 |
| IntRRo / Roundup WeatherMax + AMS | 4 pt / 22 oz + 3 qt | 99 | 99 | 49.5 | 48.41 | 427 |
| Gangster / Roundup Original Max + AMS | 2.4 oz / 22 oz + 3 qt | 99 | 99 | 47.7 | 49.08 | 409 |
| Prefix / Touchdown Total + AMS | 2 pt / 24 oz + 3 qt | 99 | 98 | 44.0 | 47.47 | 375 |
| Boundary / Touchdown Total + AMS | 1.5 pt / 24 oz + 3 qt | 99 | 97 | 44.9 | 44.84 | 386 |
| V-10233 / Roundup Original Max + AMS | 3 oz / 22 oz + 3 qt | 99 | 98 | 48.9 | | |
| Valor SX + Python / Roundup Original Max + AMS | 2 oz + 0.5 oz / 22 oz + 3 qt | 99 | 93 | 47.4 | 51.56 | 403 |
| Valor SX + IntRRo / Roundup Original Max + AMS | 2 oz + 1 pt / 22 oz + 3 qt | 99 | 98 | 48.2 | 48.52 | 414 |
| Sonic / Durango + AMS | 4.5 oz / 24 oz + 3 qt | 99 | 99 | 49.2 | 52.28 | 420 |
| Enlite / Roundup Original Max + AMS | 2.8 oz / 22 oz + 3 qt | 99 | 99 | 46.5 | 47.93 | 399 |
| Enlite / Roundup Original Max + Harmony + AMS | 2.8 oz / 22 oz + 0.125 oz + 3 qt | 99 | 99 | 51.2 | 51.89 | 440 |
| <u>POST I (4-inch weeds)/POST III(Canopy)</u> | | | | | | |
| Roundup WeatherMax + AMS / | 22 oz + 3 qt / | 99 | 99 | 47.7 | 47.58 | 410 |
| Roundup WeatherMax + AMS | 22 oz + 3 qt | | | | | |
| Durango DMA + First Rate + AMS / | 24 oz + 0.3 oz + 3 qt / | 99 | 99 | 48.8 | 44.85 | 424 |
| Durango DMA + AMS | 24 oz + 3 qt | | | | | |
| Flexstar GT + AMS / | 3 pt + 3 qt / | 99 | 97 | 50.5 | 59.45 | 425 |
| Touchdown Total + AMS | 24 oz + 3 qt | | | | | |
| <u>POST II (6-inch weeds)</u> | | | | | | |
| Classic + Harmony GT + Roundup Original Max + AMS | 0.33 oz + 22 oz + 3 qt | 99 | 81 | 35.5 | 31.70 | 310 |
| Resource + Roundup Original Max + NIS + AMS | 3 oz + 22 oz + 0.25% + 3 qt | 99 | 86 | 34.7 | 34.20 | 299 |
| Cadet + Roundup Original Max + NIS + AMS | 0.6 oz + 22 oz + 0.25% + 3 qt | 99 | 90 | 44.8 | 35.11 | 395 |
| Roundup WeatherMax+AMS | 22 oz + 3 qt | 99 | 91 | 39.5 | 28.79 | 350 |
| <u>Checks</u> | | | | | | |
| Weedy Check | - | 0 | 0 | 6.9 | 0.00 | 67 |
| Weed Free | - | 99 | 100 | 51.1 | 0.00 | 490 |
| | | LSD(0.10) | 1 | 12 | 6.8 | 67 |

Soybean Variety: Pioneer 91Y90

Planting date: May 20

Pre application: May 21

4" Weeds applied 18-Jun

6" weeds applied 24-Jun