

2008 Soybean Herbicide Evaluation - Waseca

Tall waterhemp site

| Herbicide | Rate (pt/A) | Giant | Tall | Giant | Common | Yield (bu/A) | Cost | Returns |
|---|---|-----------------------|-----------|---------|---------------|-----------------|-------|---------|
| | | foxtail | waterhemp | ragweed | lambsquarters | | | |
| | | -----(% control)----- | | | | ----(\$/A)----- | | |
| <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' | | 81 | 95 | 75 | 79 | 43.8 | 59.05 | 335 |
| <u>Preemergence/ POST II (6-inch weeds)</u> | | | | | | | | |
| Authority First / Roundup Original Max + AMS | 3.2 oz / 22 oz + 3 qt | 97 | 99 | 99 | 99 | 50.3 | 46.89 | 406 |
| Authority Asist / Roundup Original Max + AMS | 5 oz / 22 oz + 3 qt | 97 | 98 | 96 | 99 | 48.4 | 46.21 | 389 |
| IntRRo / Roundup WeatherMax + AMS | 4 pt / 22 oz + 3 qt | 99 | 92 | 96 | 76 | 50.7 | 47.71 | 408 |
| Gangster / Roundup Original Max + AMS | 2.4 oz / 22 oz + 3 qt | 99 | 89 | 99 | 99 | 47.8 | 49.70 | 380 |
| Prefix / Touchdown Total + AMS | 2 pt / 24 oz + 3 qt | 99 | 99 | 98 | 95 | 48.5 | 46.09 | 390 |
| Boundary / Touchdown Total + AMS | 1.5 pt / 24 oz + 3 qt | 96 | 97 | 91 | 86 | 49.9 | 48.37 | 401 |
| Valor SX / Roundup Original Max + AMS | 2 oz / 22 oz + 3 qt | 96 | 92 | 89 | 94 | 51.7 | 44.90 | 420 |
| Valor SX + Python / Roundup Original Max + AMS | 1.5 oz + 0.5 oz / 22 oz + 3 qt | 98 | 92 | 99 | 95 | 48.7 | 47.28 | 391 |
| Valor SX + Sencor / Roundup Original Max + AMS | 1.75 oz + 4 oz / 22 oz + 3 qt | 96 | 93 | 95 | 92 | 49.2 | 47.72 | 395 |
| Sonic / Durango + AMS | 4.5 oz / 24 oz + 3 qt | 98 | 99 | 99 | 99 | 46.9 | 49.80 | 372 |
| Enlite / Roundup PowerMax + AMS | 2.8 oz / 22 oz + 3 qt | 97 | 89 | 87 | 96 | 44.8 | 47.79 | 356 |
| Enlite / Roundup PowerMax + Harmony + AMS | 2.8 oz / 22 oz + 0.125 oz + 3 qt | 95 | 91 | 96 | 93 | 52.4 | 50.29 | 421 |
| <u>POST I (4-inch weeds)/POST III(Canopy)</u> | | | | | | | | |
| Roundup WeatherMax + AMS / Roundup WeatherMax + AMS | 22 oz + 3 qt / 22 oz + 3 qt | 99 | 99 | 98 | 99 | 47.1 | 50.60 | 373 |
| Durango DMA + First Rate + AMS / Durango DMA + AMS | 24 oz + 0.3 oz + 3 qt / 24 oz + 3 qt | 99 | 98 | 99 | 99 | 51.2 | 51.82 | 409 |
| Touchdown Total + AMS / Touchdown Total + AMS | 24 oz + 3 qt / 24 oz + 3 qt | 99 | 98 | 99 | 99 | 49.8 | 48.57 | 400 |
| <u>POST II (6-inch weeds)</u> | | | | | | | | |
| Classic + Roundup PowerMax + AMS | 0.33 oz / 22 oz + 3 qt | 99 | 74 | 96 | 99 | 46.9 | 33.36 | 389 |
| Harmony GT + Roundup PowerMax + AMS | 0.5 oz + 22 oz + 3 qt | 96 | 74 | 86 | 86 | 45.1 | 38.78 | 367 |
| Harmony GT + Classic + Roundup PowerMax + AMS | 0.5 oz + 0.33 oz + 22 oz + 3 qt | 96 | 77 | 71 | 80 | 41.3 | 43.35 | 329 |
| Resource + Roundup Original Max + NIS + AMS | 2 oz + 22 oz + 0.25% + 3 qt | 96 | 56 | 58 | 82 | 40.5 | 32.27 | 333 |
| Cadet + Roundup Original Max + NIS + AMS | 0.4 oz + 22 oz + 0.25% + 3 qt | 99 | 53 | 67 | 83 | 31.4 | 32.99 | 250 |
| Roundup WeatherMax+AMS | 22 oz + 3 qt | 99 | 71 | 86 | 75 | 36.8 | 30.30 | 301 |
| <u>Checks</u> | | | | | | | | |
| Weedy Check | - | 0 | 0 | 0 | 0 | 14.9 | 0 | 134 |
| Weed Free | - | 100 | 100 | 100 | 100 | 48.7 | 0 | 438 |
| | | LSD(0.10) | 5 | 12 | 12 | 16 | 4.3 | 38 |

Soybean Variety: Pioneer 91M92

Planting date: May 20

Pre application: May 21

4" Weeds applied 20-Jun

6" weeds applied 30-Jun