

2015 Soybean Herbicide Evaluation  
Average across locations

| Herbicide                                    | Rate  | Pre       |      |      |      |      |      | Final |      |      |      |      |      | Yield | returns |      |     |
|--|---|-----------|------|------|------|------|------|-------|------|------|------|------|------|-------|---------|------|-----|
|  |   | Gift      | Corw | Girw | Colq | Vele | Rrpw | Gift  | Corw | Girw | colq | Vele | Rrpw |       |         |      |     |
| Preemergence/ POST II (4-inch weeds)         |   | % control |      |      |      |      |      |       |      |      |      |      |      |       |         |      |     |
| (Product/A)                                  |   | bu/A \$/A |      |      |      |      |      |       |      |      |      |      |      |       |         |      |     |
| 1  | Authority First / Roundup PowerMax + AMS                      | 84        | 95   | 85   | 98   | 95   | 98   | 96    | 99   | 99   | 99   | 99   | 99   | 99    | 99      | 51.7 | 370 |
| 2  | Authority First / Anthem + Roundup PowerMax + AMS             | 81        | 95   | 86   | 98   | 95   | 98   | 98    | 99   | 99   | 99   | 99   | 99   | 99    | 99      | 54.0 | 371 |
| 3  | Authority Assist / Roundup PowerMax + AMS                     | 89        | 48   | 75   | 98   | 95   | 98   | 97    | 99   | 98   | 99   | 99   | 99   | 99    | 99      | 53.9 | 386 |
| 4  | Boundary / Flexstar GT 3.5 + MSO + AMS                        | 85        | 73   | 20   | 96   | 90   | 96   | 98    | 99   | 99   | 99   | 99   | 99   | 99    | 99      | 52.2 | 380 |
| 5  | BroadAxe XC / Flexstar GT 3.5 + MSO + AMS                     | 94        | 49   | 23   | 98   | 95   | 96   | 98    | 99   | 99   | 99   | 99   | 99   | 99    | 99      | 49.5 | 347 |
| 6  | Fierce + FirstRate / Roundup PowerMax + AMS                   | 89        | 95   | 86   | 98   | 95   | 98   | 98    | 99   | 96   | 99   | 99   | 99   | 99    | 99      | 53.2 | 382 |
| 7  | Fierce + Sencor / Roundup PowerMax + AMS                      | 86        | 70   | 71   | 98   | 95   | 98   | 97    | 99   | 96   | 99   | 99   | 99   | 99    | 99      | 53.3 | 392 |
| 8  | Zidua PRO / Roundup PowerMax + NIS + AMS                      | 94        | 88   | 77   | 98   | 95   | 98   | 96    | 99   | 98   | 99   | 99   | 99   | 98    | 99      | 51.8 | 370 |
| 9  | Verdict + Outlook / Roundup PowerMax + NIS + AMS              | 92        | 78   | 70   | 97   | 95   | 98   | 95    | 99   | 96   | 98   | 99   | 99   | 98    | 99      | 51.5 | 381 |
| 10   | Zidua + Verdict / Roundup PowerMax + NIS + AMS                | 89        | 73   | 73   | 96   | 91   | 98   | 97    | 99   | 96   | 98   | 99   | 99   | 99    | 99      | 50.2 | 363 |
| 11   | Sonic / Durango DMA + AMS                                     | 87        | 78   | 79   | 98   | 95   | 94   | 96    | 99   | 98   | 99   | 99   | 99   | 99    | 99      | 51.9 | 382 |
| 12   | Sonic / Durango DMA + AMS                                     | 87        | 80   | 86   | 98   | 95   | 95   | 96    | 99   | 97   | 99   | 99   | 99   | 99    | 99      | 53.6 | 388 |
| 13   | Surveil / Durango DMA + AMS                                   | 87        | 93   | 88   | 98   | 95   | 92   | 96    | 99   | 99   | 99   | 99   | 99   | 99    | 99      | 52.8 | 394 |
| 14   | Enlite / Abundit Extra + AMS                                  | 74        | 60   | 76   | 98   | 78   | 92   | 97    | 99   | 97   | 99   | 99   | 99   | 99    | 99      | 51.4 | 385 |
| 15   | Enlite / Abundit Extra + Cinch + AMS                          | 76        | 59   | 79   | 98   | 95   | 98   | 98    | 99   | 97   | 99   | 98   | 99   | 99    | 99      | 51.6 | 370 |
| 16   | Rowel / Roundup WeatherMax + Warrant + Cobra + COC + AMS      | 80        | 50   | 73   | 98   | 88   | 98   | 96    | 99   | 98   | 99   | 99   | 99   | 99    | 99      | 46.4 | 304 |
| Preemergence/ POST I (2-inch weeds)          |   |           |      |      |      |      |      |       |      |      |      |      |      |       |         |      |     |
| 17   | Rowel / Roundup WeatherMax + Warrant + AMS                    | 93        | 95   | 72   | 98   | 95   | 98   | 95    | 99   | 91   | 99   | 99   | 99   | 99    | 99      | 53.0 | 383 |
| 18   | Authority First / Roundup WeatherMax + Warrant + AMS          | 93        | 95   | 86   | 97   | 95   | 98   | 91    | 99   | 89   | 99   | 99   | 99   | 99    | 99      | 54.1 | 377 |
| 19   | Boundary / Flexstar GT 3.5 + Dual II Magnum + NIS + AMS       | 96        | 95   | 20   | 98   | 95   | 98   | 98    | 99   | 95   | 99   | 99   | 99   | 99    | 99      | 54.9 | 389 |
| POST I (2-inch weeds) / POST III (Late Post) |   |           |      |      |      |      |      |       |      |      |      |      |      |       |         |      |     |
| 20   | Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS | 30        | 94   | 0    | 31   | 95   | 32   | 98    | 99   | 99   | 99   | 99   | 99   | 99    | 99      | 48.2 | 350 |
| Checks                                       |   |           |      |      |      |      |      |       |      |      |      |      |      |       |         |      |     |
| 21   | Weedy Check   | 0         | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 0     | 0       | 22.3 | 190 |
| 22   | Weed Free   | 96        | 84   | 100  | 98   | 96   | 98   | 99    | 99   | 100  | 99   | 99   | 99   | 99    | 99      | 53.7 | 456 |
| LSD(0.10)                                    |   | 7         | 25   | 8    | 1    | 10   | 5    | 2     | 1    | 2    | 1    | 1    | 1    | 1     | 3.4     | 28   |     |

2015 Soybean Herbicide Evaluation - Lamberton

| Herbicide   | Rate  | Yeft      | Pre       |      | Yeft | Final |      | Yield | returns |    |
|---|---|-----------|-----------|------|------|-------|------|-------|---------|----|
|   |   |           | Tawh      | Colq |      | Tawh  | Colq |       |         |    |
| <u>Preemergence/ POST II (4-inch weeds)</u>         |   |           |           |      |      |       |      |       |         |    |
|   | (Product/A)   |           | % control |      |      |       |      | bu/A  | \$/A    |    |
| 1   | Authority First / Roundup PowerMax + AMS                      | 86        | 99        | 99   | 91   | 99    | 99   | 61.9  | 456     |    |
| 2   | Authority First / Anthem + Roundup PowerMax + AMS             | 88        | 99        | 99   | 97   | 99    | 99   | 60.8  | 429     |    |
| 3   | Authority Assist / Roundup PowerMax + AMS                     | 93        | 99        | 99   | 94   | 98    | 99   | 63.4  | 467     |    |
| 4   | Boundary / Flexstar GT 3.5 + MSO + AMS                        | 91        | 99        | 99   | 95   | 99    | 99   | 60.0  | 446     |    |
| 5   | BroadAxe XC / Flexstar GT 3.5 + MSO + AMS                     | 97        | 99        | 99   | 97   | 99    | 99   | 56.9  | 409     |    |
| 6   | Fierce + FirstRate / Roundup PowerMax + AMS                   | 90        | 99        | 99   | 96   | 99    | 99   | 65.1  | 483     |    |
| 7   | Fierce + Sencor / Roundup PowerMax + AMS                      | 88        | 99        | 99   | 94   | 99    | 99   | 61.0  | 457     |    |
| 8   | Zidua PRO / Roundup PowerMax + NIS + AMS                      | 89        | 99        | 99   | 92   | 99    | 99   | 59.5  | 436     |    |
| 9   | Verdict + Outlook / Roundup PowerMax + NIS + AMS              | 97        | 99        | 99   | 90   | 99    | 99   | 58.5  | 440     |    |
| 10  | Zidua + Verdict / Roundup PowerMax + NIS + AMS                | 93        | 99        | 99   | 94   | 99    | 99   | 59.2  | 439     |    |
| 11  | Sonic / Durango DMA + AMS                                     | 84        | 94        | 99   | 91   | 99    | 99   | 66.1  | 502     |    |
| 12  | Sonic / Durango DMA + AMS                                     | 89        | 99        | 99   | 92   | 99    | 99   | 61.5  | 455     |    |
| 13  | Surveil / Durango DMA + AMS                                   | 93        | 99        | 99   | 92   | 99    | 99   | 63.6  | 486     |    |
| 14  | Enlite / Abundit Extra + AMS                                  | 83        | 99        | 99   | 93   | 99    | 99   | 65.0  | 500     |    |
| 15  | Enlite / Abundit Extra + Cinch + AMS                          | 85        | 99        | 99   | 97   | 99    | 99   | 63.8  | 474     |    |
| 16  | Rowel / Roundup WeatherMax + Warrant + Cobra + COC + AMS      | 86        | 99        | 99   | 91   | 99    | 99   | 51.4  | 347     |    |
| <u>Preemergence/ POST I (2-inch weeds)</u>          |   |           |           |      |      |       |      |       |         |    |
| 17  | Rowel / Roundup WeatherMax + Warrant + AMS                    | 86        | 99        | 99   | 91   | 99    | 99   | 63.9  | 476     |    |
| 18  | Authority First / Roundup WeatherMax + Warrant + AMS          | 88        | 99        | 98   | 79   | 99    | 99   | 60.5  | 431     |    |
| 19  | Boundary / Flexstar GT 3.5 + Dual II Magnum + NIS + AMS       | 95        | 99        | 99   | 97   | 99    | 99   | 59.3  | 426     |    |
| <u>POST I (2-inch weeds) / POST III (Late Post)</u> |   |           |           |      |      |       |      |       |         |    |
| 20  | Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS | 0         | 0         | 0    | 97   | 99    | 99   | 54.1  | 400     |    |
| <u>Checks</u>                                       |   |           |           |      |      |       |      |       |         |    |
| 21  | Weedy Check   | 0         | 0         | 0    | 0    | 0     | 0    | 27.0  | 230     |    |
| 22  | Weed Free   | 99        | 99        | 99   | 99   | 99    | 99   | 61.5  | 523     |    |
|   |   | LSD(0.10) | 6         | 2    | 1    | 6     | 1    | 1     | 4.2     | 36 |

2015 Soybean Herbicide Evaluation - Rochester

| Herbicide   | Rate  | Pre         |      |           |      | Final |      |      |      | Yield | returns |
|---|---|-------------|------|-----------|------|-------|------|------|------|-------|---------|
|   |   | Grs         | Girw | Colq      | Tawh | Grs   | Girw | Colq | Tawh |       |         |
| <u>Preemergence/ POST II (4-inch weeds)</u>         |   | (Product/A) |      | % control |      |       |      | bu/A | \$/A |       |         |
| 1   | Authority First / Roundup PowerMax + AMS                      | 99          | 85   | 99        | 99   | 99    | 99   | 99   | 43.2 | 298   |         |
| 2   | Authority First / Anthem + Roundup PowerMax + AMS             | 99          | 86   | 99        | 99   | 99    | 99   | 99   | 44.3 | 289   |         |
| 3   | Authority Assist / Roundup PowerMax + AMS                     | 99          | 75   | 99        | 99   | 98    | 98   | 99   | 41.0 | 277   |         |
| 4   | Boundary / Flexstar GT 3.5 + MSO + AMS                        | 99          | 20   | 99        | 99   | 99    | 99   | 98   | 39.4 | 271   |         |
| 5   | BroadAxe XC / Flexstar GT 3.5 + MSO + AMS                     | 99          | 23   | 99        | 99   | 99    | 99   | 99   | 40.6 | 271   |         |
| 6   | Fierce + FirstRate / Roundup PowerMax + AMS                   | 99          | 86   | 99        | 99   | 99    | 96   | 99   | 40.8 | 277   |         |
| 7   | Fierce + Sencor / Roundup PowerMax + AMS                      | 99          | 71   | 99        | 99   | 98    | 96   | 98   | 41.3 | 290   |         |
| 8   | Zidua PRO / Roundup PowerMax + NIS + AMS                      | 99          | 77   | 99        | 99   | 97    | 98   | 99   | 42.0 | 287   |         |
| 9   | Verdict + Outlook / Roundup PowerMax + NIS + AMS              | 99          | 70   | 99        | 99   | 96    | 96   | 96   | 40.7 | 289   |         |
| 10  | Zidua + Verdict / Roundup PowerMax + NIS + AMS                | 99          | 73   | 99        | 99   | 98    | 96   | 97   | 41.2 | 286   |         |
| 11  | Sonic / Durango DMA + AMS                                     | 99          | 79   | 99        | 99   | 99    | 98   | 99   | 41.3 | 292   |         |
| 12  | Sonic / Durango DMA + AMS                                     | 99          | 86   | 99        | 99   | 99    | 97   | 99   | 41.9 | 289   |         |
| 13  | Surveil / Durango DMA + AMS                                   | 99          | 88   | 99        | 99   | 99    | 99   | 99   | 40.3 | 288   |         |
| 14  | Enlite / Abundit Extra + AMS                                  | 99          | 76   | 99        | 99   | 98    | 97   | 99   | 39.9 | 287   |         |
| 15  | Enlite / Abundit Extra + Cinch + AMS                          | 99          | 79   | 99        | 99   | 99    | 97   | 99   | 39.6 | 268   |         |
| 16  | Rowel / Roundup WeatherMax + Warrant + Cobra + COC + AMS      | 99          | 73   | 99        | 99   | 99    | 98   | 99   | 36.5 | 220   |         |
| <u>Preemergence/ POST I (2-inch weeds)</u>          |   |             |      |           |      |       |      |      |      |       |         |
| 17  | Rowel / Roundup WeatherMax + Warrant + AMS                    | 99          | 72   | 99        | 99   | 99    | 91   | 99   | 41.1 | 282   |         |
| 18  | Authority First / Roundup WeatherMax + Warrant + AMS          | 99          | 86   | 99        | 99   | 99    | 89   | 99   | 43.2 | 284   |         |
| 19  | Boundary / Flexstar GT 3.5 + Dual II Magnum + NIS + AMS       | 99          | 20   | 99        | 99   | 99    | 95   | 98   | 41.8 | 278   |         |
| <u>POST I (2-inch weeds) / POST III (Late Post)</u> |   |             |      |           |      |       |      |      |      |       |         |
| 20  | Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS | 0           | 0    | 0         | 0    | 99    | 99   | 98   | 98   | 37.1  | 255     |
| <u>Checks</u>                                       |   |             |      |           |      |       |      |      |      |       |         |
| 21  | Weedy Check   | 0           | 0    | 0         | 0    | 0     | 0    | 0    | 0    | 5.8   | 50      |
| 22  | Weed Free   | 100         | 100  | 100       | 100  | 100   | 100  | 100  | 100  | 42.6  | 362     |
|   | LSD(0.10)   | 1           | 8    | 1         | 1    | 2     | 2    | 1    | 1    | 4.7   | 40      |

2015 Soybean Herbicide Evaluation - Waseca

| Herbicide                                     | Rate  | Gift      | Corw | Pre  |      |      | Final |      |      |      | Yield | returns |      |
|---|---|-----------|------|------|------|------|-------|------|------|------|-------|---------|------|
|   |   |           |      | Colq | Vele | Rrpw | Gift  | Corw | colq | Vele |       |         | Rrpw |
| Preemergence/ POST II (4-inch weeds)          |   |           |      |      |      |      |       |      |      |      |       |         |      |
|   | (Product/A)   | % control |      |      |      |      |       |      |      |      |       |         |      |
| 1   | Authority First / Roundup PowerMax + AMS                      | 68        | 95   | 95   | 95   | 95   | 98    | 99   | 99   | 99   | 99    | 50.0    | 356  |
| 2   | Authority First / Anthem + Roundup PowerMax + AMS             | 56        | 95   | 95   | 95   | 95   | 99    | 99   | 99   | 99   | 99    | 57.0    | 397  |
| 3   | Authority Assist / Roundup PowerMax + AMS                     | 76        | 48   | 95   | 95   | 95   | 99    | 99   | 99   | 99   | 99    | 57.2    | 414  |
| 4   | Boundary / Flexstar GT 3.5 + MSO + AMS                        | 64        | 73   | 90   | 90   | 90   | 99    | 99   | 99   | 99   | 99    | 57.3    | 423  |
| 5   | BroadAxe XC / Flexstar GT 3.5 + MSO + AMS                     | 86        | 49   | 95   | 95   | 89   | 99    | 99   | 99   | 99   | 99    | 51.0    | 359  |
| 6   | Fierce + FirstRate / Roundup PowerMax + AMS                   | 79        | 95   | 95   | 95   | 95   | 98    | 99   | 99   | 99   | 99    | 53.8    | 387  |
| 7   | Fierce + Sencor / Roundup PowerMax + AMS                      | 73        | 70   | 95   | 95   | 95   | 99    | 99   | 99   | 99   | 99    | 57.7    | 429  |
| 8   | Zidua PRO / Roundup PowerMax + NIS + AMS                      | 93        | 88   | 95   | 95   | 95   | 99    | 99   | 99   | 99   | 99    | 53.9    | 388  |
| 9   | Verdict + Outlook / Roundup PowerMax + NIS + AMS              | 79        | 78   | 93   | 95   | 95   | 99    | 99   | 99   | 99   | 99    | 55.2    | 412  |
| 10  | Zidua + Verdict / Roundup PowerMax + NIS + AMS                | 75        | 73   | 90   | 91   | 95   | 99    | 99   | 99   | 99   | 99    | 50.3    | 364  |
| 11  | Sonic / Durango DMA + AMS                                     | 78        | 78   | 95   | 95   | 88   | 99    | 99   | 99   | 99   | 99    | 48.2    | 350  |
| 12  | Sonic / Durango DMA + AMS                                     | 73        | 80   | 95   | 95   | 88   | 99    | 99   | 99   | 99   | 99    | 57.4    | 421  |
| 13  | Surveil / Durango DMA + AMS                                   | 69        | 93   | 95   | 95   | 78   | 98    | 99   | 99   | 99   | 99    | 54.5    | 409  |
| 14  | Enlite / Abundit Extra + AMS                                  | 41        | 60   | 95   | 78   | 78   | 99    | 99   | 99   | 99   | 99    | 49.3    | 367  |
| 15  | Enlite / Abundit Extra + Cinch + AMS                          | 44        | 59   | 95   | 95   | 95   | 99    | 99   | 99   | 98   | 99    | 51.4    | 369  |
| 16  | Rowel / Roundup WeatherMax + Warrant + Cobra + COC + AMS      | 55        | 50   | 95   | 88   | 95   | 99    | 99   | 99   | 99   | 99    | 51.3    | 346  |
| Preemergence/ POST I (2-inch weeds)           |   |           |      |      |      |      |       |      |      |      |       |         |      |
| 17  | Rowel / Roundup WeatherMax + Warrant + AMS                    | 94        | 95   | 95   | 95   | 95   | 96    | 99   | 99   | 99   | 99    | 53.9    | 391  |
| 18  | Authority First / Roundup WeatherMax + Warrant + AMS          | 94        | 95   | 95   | 95   | 95   | 96    | 99   | 99   | 99   | 99    | 58.6    | 415  |
| 19  | Boundary / Flexstar GT 3.5 + Dual II Magnum + NIS + AMS       | 95        | 95   | 95   | 95   | 95   | 99    | 99   | 99   | 99   | 99    | 63.7    | 464  |
| POST I (2-inch weeds) / POST III ( Late Post) |   |           |      |      |      |      |       |      |      |      |       |         |      |
| 20  | Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS | 89        | 94   | 94   | 95   | 95   | 98    | 99   | 99   | 99   | 99    | 53.5    | 394  |
| Checks  |   |           |      |      |      |      |       |      |      |      |       |         |      |
| 21  | Weedy Check   | 0         | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0     | 34.2    | 291  |
| 22  | Weed Free   | 90        | 84   | 96   | 96   | 96   | 99    | 99   | 99   | 99   | 99    | 57.0    | 485  |
|   | LSD(0.10)   | 20        | 25   | 4    | 10   | 14   | 1     | 1    | 1    | 1    | 1     | 7.9     | 67   |