

| Brand | Hybrid | Oil Type | Herb Type | DMR Rate | Days to Bloom | Days to Mature | Plant Ht. in | Oil ¹ % | Test Weight lbs/bu | Yield | | | | |
|------------------|---------------|----------|-----------|----------|---------------|----------------|--------------|--------------------|--------------------|-----------------|------|------|---------|------|
| | | | | | | | | | | @ 10% moisture | | | Average | |
| | | | | | | | | | | 2005 | 2006 | 2007 | 2yr | 3yr |
| | | | | | | | | | | -----lbs/a----- | | | | |
| Advanta Pacific | F30236 NS/DM | NS | C | Yes | 70 | 120 | 50 | 45.4 | 30.2 | -- | 2500 | 2300 | 2400 | -- |
| Advanta Pacific | F51122 NS/DM | NS | CL | Yes | 75 | 122 | 68 | 45.7 | 32.4 | -- | -- | 2652 | -- | -- |
| Advanta Pacific | F51179 NS/DM | NS | C | Yes | 76 | 124 | 68 | 48.2 | 34.7 | -- | -- | 2774 | -- | -- |
| Advanta Pacific | F51231 NS/DM | NS | C | Yes | 70 | 121 | 61 | 47.1 | 34.1 | -- | 3002 | 2363 | 2683 | -- |
| Advanta Pacific | F51289 NS/DM | NS | C | Yes | 70 | 121 | 56 | 48.3 | 33.9 | -- | -- | 2963 | -- | -- |
| Advanta Pacific | F51321 NS/DM | NS | C | Yes | 72 | 125 | 63 | 43.8 | 32.6 | -- | -- | 2487 | -- | -- |
| Croplan Genetics | 3080 DMR NS | NS | C | Yes | 75 | 124 | 64 | 50.7 | 31.7 | 2531 | 3005 | 2794 | 2900 | 2777 |
| Croplan Genetics | 356 NS | NS | C | No | 78 | 126 | 69 | 47.6 | 32.5 | -- | -- | 2846 | -- | -- |
| Croplan Genetics | 378 DMR NS | NS | C | Yes | 76 | 124 | 71 | 48.5 | 33.0 | -- | -- | 3290 | -- | -- |
| Croplan Genetics | 528CL NS | NS | CL | No | 76 | 123 | 68 | 46.6 | 34.1 | -- | -- | 2941 | -- | -- |
| Croplan Genetics | 564CL NS | NS | CL | No | 79 | 125 | 73 | 46.6 | 33.8 | -- | -- | 2989 | -- | -- |
| Croplan Genetics | 584CL NS | NS | CL | No | 80 | 127 | 82 | 42.4 | 31.2 | -- | -- | 2292 | -- | -- |
| Croplan Genetics | 803 DMR NS | NS | C | Yes | 73 | 122 | 61 | 47.9 | 33.8 | -- | -- | 2533 | -- | -- |
| Dahlgren | 4421NS | NS | C | No | 73 | 122 | 70 | 45.4 | 30.2 | 2560 | 3212 | 3014 | 3113 | 2929 |
| Dahlgren | EX4370 | Trad | C | No | 72 | 123 | 58 | 48.4 | 32.9 | -- | -- | 2661 | -- | -- |
| Dahlgren | EX4377NS | NS | C | No | 73 | 123 | 55 | 47.7 | 32.4 | -- | -- | 2741 | -- | -- |
| DEKALB | DKF29-30 | NS | C | Yes | 73 | 122 | 67 | 47.2 | 34.0 | -- | -- | 2431 | -- | -- |
| DEKALB | DKF34-33 | NS | C | Yes | 77 | 124 | 70 | 48.6 | 44.4 | -- | -- | 2593 | -- | -- |
| DEKALB | DKF34-80CL | NS | CL | Yes | 77 | 124 | 70 | 50.8 | 32.9 | -- | -- | 2927 | -- | -- |
| DEKALB | DKF35-10 | NS | C | Yes | 76 | 125 | 73 | 42.7 | 34.2 | 2775 | 3107 | 2877 | 2992 | 2920 |
| DEKALB | DKF37-31 | NS | C | No | 77 | 125 | 72 | 48.4 | 32.6 | -- | -- | 2972 | -- | -- |
| Dyna-Gro | 92N53DM | NS | C | Yes | 74 | 123 | 67 | 51.0 | 32.5 | -- | -- | 2621 | -- | -- |
| Integra Seed | Int.536NSDM | NS | C | Yes | 73 | 123 | 61 | 44.3 | 31.9 | 2673 | 3066 | 2855 | 2960 | 2865 |
| Integra Seed | Int.735NSCLDM | NS | CL | Yes | 75 | 123 | 69 | 44.4 | 33.2 | 2602 | 2749 | 2396 | 2573 | 2582 |
| Interstate Seed | IS4575 NS/CL | NS | CL | No | 77 | 125 | 66 | 43.9 | 32.2 | 2416 | 2512 | 2535 | 2524 | 2488 |
| Interstate Seed | IS4668 NS/CL | NS | CL | No | 78 | 125 | 77 | 42.0 | 31.4 | -- | 2780 | 2288 | 2534 | -- |
| Interstate Seed | IS4704 NS | NS | C | No | 75 | 123 | 64 | 45.4 | 32.8 | 2662 | 2851 | 2600 | 2726 | 2704 |
| Interstate Seed | IS5770 NS/DM | NS | C | Yes | 76 | 125 | 71 | 46.1 | 33.3 | -- | -- | 3321 | -- | -- |
| Interstate Seed | IS5880 NS/CL | NS | CL | Yes | 77 | 125 | 70 | 42.6 | 32.0 | -- | 2712 | 2804 | 2758 | -- |
| Interstate Seed | IS6131 NS/DM | NS | C | Yes | 73 | 121 | 61 | 47.2 | 34.5 | -- | -- | 2502 | -- | -- |
| Interstate Seed | IS7120 HO/DM | HO | C | Yes | 73 | 124 | 61 | 45.0 | 32.9 | -- | -- | 2494 | -- | -- |
| Monsanto | MH6641 | NS | C | Yes | 78 | 124 | 68 | 48.0 | 33.0 | -- | -- | 3417 | -- | -- |
| Monsanto | MH6642 | NS | C | Yes | 74 | 124 | 64 | 48.1 | 33.1 | -- | -- | 2905 | -- | -- |
| Monsanto | MH6643 | NS | C | Yes | 76 | 124 | 69 | 47.1 | 33.2 | -- | -- | 2802 | -- | -- |
| Mycogen Seeds | 8H350DM | HO | C | Yes | 74 | 122 | 70 | 46.6 | 32.3 | 2057 | 2531 | 2617 | 2574 | 2402 |
| Mycogen Seeds | 8N270 | NS | C | No | 73 | 123 | 59 | 48.8 | 33.0 | -- | -- | 2623 | -- | -- |
| Mycogen Seeds | 8N337DM | NS | C | Yes | 74 | 123 | 66 | 51.3 | 32.2 | -- | 3096 | 2830 | 2963 | -- |
| Mycogen Seeds | 8N358CL | NS | CL | No | 76 | 124 | 68 | 48.8 | 31.1 | -- | 2843 | 2858 | 2851 | -- |
| Mycogen Seeds | 8N453DM | NS | C | Yes | 77 | 124 | 72 | 50.9 | 34.8 | -- | 2794 | 2853 | 2823 | -- |
| Pioneer Brand | 3622 | NS | C | Yes | 76 | 124 | 73 | 48.3 | 35.2 | -- | -- | 3080 | -- | -- |
| Pioneer Brand | 4635 | HO | C | Yes | 78 | 126 | 75 | 43.3 | 36.9 | -- | -- | 2981 | -- | -- |
| Pioneer Brand | 63M80 | NS | C | Yes | 74 | 124 | 70 | 51.3 | 34.0 | 3439 | 3724 | 2931 | 3328 | 3365 |
| Pioneer Brand | 63N81 | NS | C | Yes | 76 | 124 | 71 | 47.9 | 35.5 | -- | -- | 2479 | -- | -- |
| Pioneer Brand | 64H41 | HO | C | Yes | 77 | 124 | 76 | 45.6 | 37.3 | 3055 | 3210 | 2541 | 2876 | 2935 |
| Proseed | 6004 | NS | CL | No | 79 | 124 | 81 | 46.2 | 36.3 | -- | -- | 2768 | -- | -- |
| Proseed | 6294 | HO | CL | No | 80 | 125 | 75 | 44.6 | 34.4 | -- | -- | 2675 | -- | -- |
| Proseed | 6481 | NS | C | No | 77 | 124 | 75 | 46.8 | 32.2 | -- | -- | 3277 | -- | -- |
| Proseed | A-1 | NS | C | No | 75 | 123 | 66 | 51.1 | 35.6 | -- | -- | 2708 | -- | -- |

| Brand | Hybrid | Oil Type | Herb Type | DMR Rate | Days to | | Plant Ht. in | Oil ¹ % | Test Weight lbs/bu | Yield | | | | |
|------------|---------------|----------|-----------|----------|---------|--------|-----------------|-----------------------|-----------------------|-----------------|------|------|---------|------|
| | | | | | Bloom | Mature | | | | @ 10% moisture | | | Average | |
| | | | | | | | | | | 2005 | 2006 | 2007 | 2yr | 3yr |
| | | | | | | | | | | -----lbs/a----- | | | | |
| Proseed | CL7001 | NS | CL | No | 79 | 126 | 78 | 42.8 | 31.3 | -- | -- | 2527 | -- | -- |
| Proseed | E-3 | HO | C | Yes | 75 | 122 | 67 | 45.4 | 33.1 | -- | -- | 2389 | -- | -- |
| Proseed | E-4 | HO | C | Yes | 75 | 122 | 68 | 45.3 | 32.5 | -- | -- | 2655 | -- | -- |
| Proseed | E-5 | HO | C | Yes | 77 | 125 | 75 | 45.3 | 32.4 | -- | -- | 2805 | -- | -- |
| Proseed | E-85 | HO | C | Yes | 76 | 124 | 74 | 44.5 | 31.1 | -- | 2765 | 2560 | 2662 | -- |
| Proseed | EE-1 | HO | C | Yes | 77 | 123 | 73 | 39.1 | 33.0 | -- | -- | 3122 | -- | -- |
| Proseed | EE-2 | HO | C | Yes | 78 | 124 | 79 | 41.0 | 32.2 | -- | -- | 3327 | -- | -- |
| Proseed | EE-3 | HO | C | Yes | 77 | 122 | 67 | 41.1 | 31.9 | -- | -- | 3035 | -- | -- |
| Seeds 2000 | DEFENDER HO | HO | C | Yes | 73 | 122 | 64 | 41.5 | 33.7 | 2520 | 2966 | 2814 | 2890 | 2767 |
| Seeds 2000 | DEFENDER PLUS | NS | C | Yes | 74 | 123 | 68 | 45.6 | 32.6 | 3244 | 3191 | 2732 | 2962 | 3056 |
| Seeds 2000 | Teton HO-DMR | NS | C | Yes | 76 | 124 | 67 | 46.7 | 30.6 | -- | 3020 | 2721 | 2871 | -- |
| Triumph | TRX 7449 | NS | C | Yes | 80 | 127 | 79 | 46.4 | 31.5 | -- | -- | 3012 | -- | -- |
| USDA | 894 | Trad | C | No | 76 | 124 | 70 | 49.6 | 34.4 | 2217 | 3301 | 2691 | 2996 | 2736 |
| Trial Mean | | | | | 75 | 124 | 68 | 46.7 | 33.2 | 2562 | 3001 | 2756 | -- | -- |
| C.V. % | | | | | 1.1 | 0.9 | 4 | 4.3 | 6.7 | 11.4 | 9.1 | 12.6 | -- | -- |
| LSD 5% | | | | | 1.4 | 1.8 | 5 | 3.2 | 3.6 | 473 | 439 | 563 | -- | -- |

¹Oils were adjusted to 10% moisture. Oil % of NuSun and Traditional hybrids were adjusted for oil type.

Oil Types: Trad=Traditional, NS=NuSun, HO= High Oleic. Herbicide Types: C=Conventional, CL=Clearfield.

DMR=Downy Mildew Resistance.

Roundup applied September 24 by air.

Days to mature for hybrid checks: Hysun 311=1234, SF270=124, PI6451=124

Planting Date: May 16

Harvest Date: October 16,22