

| Brand | Hybrid | Days to Bloom | Days to Mature | Plant Ht. in | Root Ldg ² 0-9 | Harvest Moisture % | Oil ³ % | Test Weight lbs/bu | Yield | | | | |
|------------------|------------------------|------------------|-------------------|--------------------|---------------------------------|--------------------------|-----------------------|--------------------------|----------------|------|------|---------|------|
| | | | | | | | | | @ 10% moisture | | | Average | |
| | | | | | | | | | 2002 | 2003 | 2005 | 2yr | 3yr |
| NuSun | | | | | | | | | | | | | |
| Croplan Genetics | 3080 DMR | 82 | 127 | 73 | 1.2 | 18.1 | 45.7 | 30.1 | -- | -- | 2531 | -- | -- |
| Dahlgren | DO-4440 | 79 | 127 | 60 | 0.1 | 15.5 | 44.8 | 33.0 | -- | -- | 3005 | -- | -- |
| Dahlgren | DO-4455CL ¹ | 83 | 128 | 79 | 5.0 | 19.4 | 38.8 | 29.4 | -- | -- | 2234 | -- | -- |
| Dahlgren | DO-4421 | 76 | 126 | 72 | 1.0 | 14.8 | 38.7 | 28.4 | 2061 | 2334 | 2560 | 2447 | 2318 |
| Dyna-Gro Seed | 93C05 ¹ | 81 | 127 | 72 | 0.1 | 15.1 | 40.5 | 30.7 | -- | -- | 2540 | -- | -- |
| Dyna-Gro Seed | 91N05 | 76 | 124 | 58 | 0.3 | 13.0 | 43.5 | 32.0 | -- | -- | 2152 | -- | -- |
| Dyna-Gro Seed | 93N05 | 79 | 128 | 64 | 0.0 | 15.4 | 44.1 | 32.9 | -- | -- | 2852 | -- | -- |
| Integra Seed | INT 536NS | 77 | 126 | 63 | 0.5 | 17.9 | 42.3 | 31.2 | 2431 | 2200 | 2673 | 2436 | 2435 |
| Integra Seed | 735 NS/CL ¹ | 80 | 126 | 70 | 0.0 | 14.0 | 41.3 | 31.6 | -- | -- | 2602 | -- | -- |
| Interstate Seed | Hysun 521 | 78 | 126 | 63 | 0.3 | 18.5 | 41.6 | 31.2 | 2594 | 2154 | 2462 | 2308 | 2403 |
| Interstate Seed | Hysun 525 | 82 | 126 | 67 | 0.6 | 16.5 | 42.2 | 33.6 | -- | 2066 | 2447 | 2257 | -- |
| Interstate Seed | Hysun 511 | 76 | 124 | 63 | 0.6 | 12.7 | 43.6 | 32.3 | -- | -- | 2229 | -- | -- |
| Interstate Seed | 4704NS | 79 | 127 | 60 | 0.0 | 15.5 | 43.0 | 32.8 | -- | -- | 2662 | -- | -- |
| Interstate Seed | 4540NS | 80 | 127 | 61 | 0.0 | 14.5 | 43.5 | 33.6 | -- | -- | 2343 | -- | -- |
| Interstate Seed | 4575NS/CL ¹ | 80 | 127 | 72 | 0.7 | 14.2 | 40.3 | 30.8 | -- | -- | 2416 | -- | -- |
| Interstate Seed | F10003 | 78 | 127 | 64 | 0.3 | 13.5 | 44.1 | 33.5 | -- | -- | 2537 | -- | -- |
| Interstate Seed | F10016 | 80 | 127 | 66 | 0.3 | 17.1 | 44.0 | 32.6 | -- | -- | 2821 | -- | -- |
| Interstate Seed | Ex8888 ¹ | 83 | 127 | 81 | 5.9 | 20.0 | 37.5 | 28.7 | -- | -- | 2049 | -- | -- |
| Monsanto/Dekalb | DKF 30-33 NS | 82 | 128 | 73 | 3.7 | 17.6 | 39.7 | 32.8 | -- | -- | 2405 | -- | -- |
| Monsanto/Dekalb | MH5330 | 78 | 128 | 75 | 0.7 | 14.8 | 42.9 | 33.4 | -- | -- | 2780 | -- | -- |
| Monsanto/Dekalb | MH 4331B | 83 | 129 | 72 | 2.3 | 18.4 | 44.5 | 32.9 | -- | -- | 2995 | -- | -- |
| Monsanto/Dekalb | MH4435 | 83 | 125 | 72 | 1.9 | 16.0 | 42.1 | 29.4 | -- | -- | 2586 | -- | -- |
| Monsanto/Dekalb | MH4336 | 82 | 125 | 72 | 2.3 | 14.8 | 44.3 | 31.6 | -- | -- | 2775 | -- | -- |
| Monsanto/Dekalb | DKF 35-10 NS | 82 | 128 | 76 | 1.3 | 16.4 | 40.5 | 33.7 | -- | -- | 2775 | -- | -- |
| Monsanto/Dekalb | DKF 33-33 NS | 79 | 125 | 80 | 1.7 | 15.0 | 42.3 | 31.5 | -- | -- | 2598 | -- | -- |
| Monsanto/Dekalb | MH5434 | 81 | 127 | 81 | 2.0 | 15.2 | 44.3 | 30.0 | -- | -- | 2923 | -- | -- |
| Mycogen Seeds | 8N251 | 76 | 125 | 68 | 0.5 | 13.9 | 45.7 | 30.8 | -- | -- | 2143 | -- | -- |
| Mycogen Seeds | 8N270 | 75 | 127 | 62 | 0.2 | 13.1 | 43.6 | 32.3 | -- | -- | 2542 | -- | -- |
| Mycogen Seeds | 8N386CL ¹ | 81 | 128 | 76 | 0.3 | 16.6 | 40.7 | 28.9 | -- | -- | 2217 | -- | -- |
| Mycogen Seeds | 8D310 | 78 | 126 | 77 | 1.4 | 15.1 | 38.4 | 28.8 | -- | -- | 2795 | -- | -- |
| Nidera S.A | FN 693 | 83 | 128 | 82 | 1.3 | 17.0 | 43.8 | 29.7 | -- | -- | 2876 | -- | -- |
| Pioneer | 63M80 | 77 | 126 | 69 | 0.0 | 12.9 | 46.8 | 32.9 | 2910 | 2282 | 3439 | 2861 | 2877 |
| Pioneer | X2405 | 75 | 123 | 64 | 0.1 | 12.6 | 45.0 | 30.7 | -- | -- | 2331 | -- | -- |
| Pioneer | X2505 | 79 | 124 | 66 | 0.0 | 12.2 | 40.9 | 30.0 | -- | -- | 2643 | -- | -- |
| Proseed | E-3 | 80 | 125 | 66 | 1.3 | 14.4 | 40.8 | 30.4 | -- | -- | 1932 | -- | -- |
| Proseed | CL-43 ¹ | 82 | 124 | 72 | 0.6 | 13.9 | 36.7 | 31.3 | -- | -- | 2765 | -- | -- |
| Proseed | T-1 | 82 | 128 | 78 | 2.3 | 16.7 | 44.0 | 27.3 | -- | -- | 2111 | -- | -- |
| Proseed | T-6 | 80 | 126 | 74 | 1.0 | 14.3 | 43.6 | 32.4 | -- | -- | 2691 | -- | -- |
| Proseed | CL 55-15 ¹ | 82 | 126 | 72 | 0.4 | 14.2 | 39.5 | 31.0 | -- | -- | 2409 | -- | -- |
| Proseed | 9441 | 83 | 125 | 76 | 0.1 | 13.1 | 41.5 | 29.2 | -- | -- | 2430 | -- | -- |
| Proseed | 9405 | 83 | 129 | 76 | 0.7 | 27.3 | 40.8 | 29.4 | -- | -- | 2241 | -- | -- |
| Seeds 2000 | Defender Plus | 76 | 125 | 67 | 0.0 | 13.2 | 42.1 | 32.6 | -- | -- | 3244 | -- | -- |
| Seeds 2000 | Colonel | 80 | 125 | 69 | 1.9 | 14.1 | 41.1 | 26.8 | 2363 | 2601 | 2747 | 2674 | 2570 |
| Seeds 2000 | Viper ¹ | 80 | 126 | 68 | 0.5 | 14.2 | 39.7 | 30.4 | -- | -- | 2394 | -- | -- |

Oil Sunflower - 2005 (page 2) **Langdon**

| Brand | Hybrid | Days to Bloom | | Plant Ht. | Root Ldg. ² | Harvest Moisture % | Oil ³ % | Test Weight lbs/bu | Yield | | | | |
|---------------------|-------------|---------------|-------|-----------|------------------------|--------------------|--------------------|--------------------|----------------|------|------|---------|------|
| | | | | | | | | | @ 10% moisture | | | Average | |
| | | | | | | | | | 2002 | 2003 | 2005 | 2yr | 3yr |
| High Oleic | | | | | | | | | | | | | |
| Advanta Pacific,LLC | AP532HO | 83 | 128 | 74 | 2.7 | 17.5 | 42.3 | 34.1 | -- | -- | 2587 | -- | -- |
| Croplan Genetics | 343 DMR,HO | 82 | 129 | 80 | 2.2 | 20.5 | 34.5 | 33.7 | -- | -- | 2559 | -- | -- |
| Interstate Seed | HyOleic 120 | 76 | 126 | 73 | 0.0 | 14.1 | 40.2 | 32.4 | -- | -- | 2063 | -- | -- |
| Interstate Seed | F10046 | 84 | 128 | 69 | 0.9 | 18.3 | 42.1 | 33.5 | -- | -- | 2532 | -- | -- |
| Mycogen Seeds | 8H350 | 78 | 125 | 73 | 0.4 | 15.6 | 41.2 | 28.2 | -- | -- | 2057 | -- | -- |
| Mycogen Seeds | 8H288DM | 78 | 126 | 68 | 0.4 | 15.0 | 44.7 | 32.4 | -- | -- | 2284 | -- | -- |
| Pioneer | 64H41 | 81 | 128 | 78 | 1.3 | 15.0 | 42.2 | 35.7 | -- | -- | 3055 | -- | -- |
| Pioneer | 64H45 | 82 | 127 | 82 | 3.6 | 15.1 | 40.7 | 34.0 | -- | -- | 2643 | -- | -- |
| Proseed | E-1 | 79 | 126 | 76 | 0.4 | 14.8 | 40.0 | 28.7 | -- | -- | 2214 | -- | -- |
| Seeds 2000 | Defender HO | 76 | 125 | 71 | 0.0 | 15.0 | 37.1 | 31.3 | -- | -- | 2520 | -- | -- |
| Triumph | 820HO | 78 | 125 | 72 | 0.4 | 15.8 | 42.6 | 31.5 | -- | -- | 2008 | -- | -- |
| Traditional | | | | | | | | | | | | | |
| Integra Seed | INT 432 | 81 | 127 | 72 | 0.4 | 13.4 | 47.9 | 31.6 | 2683 | 2684 | 2554 | 2619 | 2640 |
| Interstate Seed | 6111 | 72 | 123 | 60 | 0.3 | 14.2 | 43.4 | 33.1 | 2162 | 1863 | 2606 | 2235 | 2210 |
| Interstate Seed | 6521 | 79 | 128 | 63 | 0.6 | 14.1 | 46.1 | 33.2 | 2453 | 2229 | 2846 | 2538 | 2509 |
| Mycogen Seeds | SF270 | 76 | 126 | 63 | 0.0 | 17.4 | 44.7 | 32.0 | 1785 | -- | 2602 | -- | -- |
| Proseed | E-2 | 79 | 126 | 76 | 0.0 | 14.4 | 39.2 | 31.2 | -- | -- | 3159 | -- | -- |
| USDA | 894 | 79 | 125 | 70 | 2.1 | 14.4 | 41.0 | 31.5 | 2106 | 1851 | 2217 | 2034 | 2058 |
| Trial Mean | | 79.5 | 126.4 | 70.2 | 1.0 | 15.5 | 42.2 | 31.5 | 2323 | 2207 | 2562 | -- | -- |
| C.V. % | | 0.9 | 0.8 | 5.0 | 91.2 | 11.1 | 2.6 | 2.4 | 9.1 | 11.0 | 11.4 | -- | -- |
| LSD 5% | | 1.2 | 1.6 | 5.6 | 1.4 | 2.8 | 1.74 | 1.2 | 347 | 395 | 473 | -- | -- |

¹ Clearfield hybrid

² Root lodging: 0=no lodge, 9=flat on ground

³ Oils were adjusted to 10% moisture. Oil % of NuSun and High Oleic hybrids were adjusted for oil type.

Days to mature for hybrid checks: Hysun 311=126, SF270=126, PI6451=128

Planting Date: May 12

Harvest Date: October 24