

2007 Dryland Oil Sunflower Variety Performance Trial at Dailey¹.

Hybrid	Yield ²	Moisture	Test Weight	Plant Height	Density	Oil Content
	lb/ac	%	lb/bu	inches	plants/ac	%
Mycogen 8N453DM	1477	6.4	23.3	49	13933	33.68
DEKALB DKF38-45	1154	6.3	22.0	49	12179	31.59
Monsanto MH6641	1134	6.5	23.9	55	13734	30.63
Monsanto MH6640	1114	6.5	22.8	50	14652	32.63
Mycogen 8H419CL	1029	6.4	19.3	53	16698	33.44
Mycogen 8N358CL	962	6.2	24.0	49	13792	33.91
Seeds 2000 Blazer-NS	892	6.4	22.0	46	13807	32.55
Monsanto MH6639	891	6.5	22.1	49	12929	29.97
Mycogen 8N510	864	6.4	20.4	50	13613	32.75
Mycogen 8N337DM	838	6.4	20.3	51	13212	33.31
Dyna-Gro 94N82	837	6.4	23.0	55	15341	33.69
DEKALB DKF37-31	829	6.5	22.3	46	12502	30.12
Mycogen 8N386CL	824	6.5	21.0	56	13959	31.07
Check Two ³	807	6.3	22.0	57	14816	35.16
Fontanelle 902 NS	805	6.5	22.4	54	12886	33.50
Dyna-Gro FX07419	781	6.7	15.6	49	15694	30.38
Garst XF06NS16	759	6.6	22.9	48	15017	29.82
Monsanto MH6638	753	6.5	22.8	49	13103	31.86
Dyna-Gro 94C38	752	6.5	20.5	52	15150	32.24
Garst 4420NS	734	6.6	20.8	51	13306	30.93
DEKALB DKF34-33	729	6.5	18.1	50	14157	29.80
Fontanelle IS 4668	709	6.5	20.0	51	15219	30.61
Garst 4704NS	707	6.5	20.1	44	14157	30.54
Triumph R657	688	6.5	21.5	48	9883	33.16
Triumph s678 w/ Myconate	648	6.3	21.9	49	14217	32.56
Fontanelle IS 5880	639	6.5	20.9	52	11258	31.67
DEKALB DKF34-80CL	623	6.5	20.9	50	12282	31.04
Garst 4651NS	603	6.4	21.0	53	14077	28.58
Pioneer M91	537	6.3	23.8	52	10280	34.69
Dyna-Gro FX07519DM	454	6.3	22.5	42	15791	30.44
Advanta Pacific AP534NS/CL	447	6.5	20.9	56	13635	31.46
Seeds 2000 Sierra-HO	399	6.6	21.9	54	13649	28.30
Triumph s678	394	6.4	21.0	46	13646	31.53
Average	782	6.4	21.5	50	13813	31.75

¹Trial conducted on the Dan and Dave Anderson farm; seeded 6/2 and harvested 10/9.

²Yields corrected to 10% seed moisture.

³Check Two is Triumph 645.

⁴Yields above are only indicative of yield trends for these hybrid varieties as the trial was planted in low soil moisture, received a rain following planting, and suffered from slight crusting which resulted in uneven emergence, variable plant stands, and some plots were lost to an accidental misapplication of herbicide.

*No significant lodging.

Site Information

Plot Size: 5' x 32' with 30" row spacing

Experimental Design: randomized complete block, 4 replications

Seeding Rate: approximately 18,000 seeds/acre

Previous Crop: corn

Soil Type: Platner loam

Fertilization: 65 lbs N acre⁻¹; 15 lbs P₂O₅ acre⁻¹

Herbicide: Round-up, Spartan

Insecticide: none