

2003 Oil Type Sunflower Variety Trial - Continuously Cropped No-till

Hettinger, North Dakota

Brand	Hybrid	Trait*	Days to Bloom	Days to Mature	Plant Height	Test Weight †	Oil Content †	Yield		
								2002	2003	2 yr Avg.
			days	days	inches	lbs/bu	%	lbs/Ac		
Dekalb	DKF 33-33NS	NS	78	122	52	32.7	37.0	1571	1995	1783
	DKF 30-33NS	NS	79	126	56	31.6	39.7		2492	
	Exp 38-80CL	CL	80	120	44	28.8	37.5		2418	
	Exp 38-30NS	NS	83	127	57	30.6	44.4		2707	
	Exp 31-22NS	NS	82	124	50	31.0	52.2		1932	
IntegraSeed	INT 432		79	123	50	29.8	50.4	2260	2878	2569
	INT 550	NS	84	129	50	28.6	42.5	2196	2844	2520
	INT 541	NS	82	126	54	30.5	42.9	2261	2316	2288
	INT 536	NS	77	124	50	31.9	42.5	1480	1796	1638
	INT 434		78	121	56	32.4	47.0		2497	
	INT 552	NS	84	126	51	30.0	47.0		2138	
Interstate	F10002NS	NS	78	126	50	30.0	40.0		1848	
	Hysun 525	NS	81	122	50	31.4	42.8	1583	2347	1965
	Hysun 450	NS	84	129	52	29.8	47.3	2307	2103	2205
	Hysun 424	NS	84	126	51	30.8	48.6	1594	1865	1730
	IS 6039		78	121	50	32.8	50.4	1749	1991	1870
	IS 6521		78	121	53	31.6	46.0	2147	1595	1871
	IS 4049		82	129	57	30.8	47.8	2103	2632	2368
	HyOleic 120	HO	78	125	60	30.9	46.5	2296	2664	2480
Kaystar Seed	8300		76	123	52	29.4	46.4		2168	
	8303		78	123	52	31.9	45.7		2143	
	2015NS	NS	76	125	48	32.5	43.6		1825	
Legend Seed	LSF 117N	NS	76	123	52	32.2	43.5		2128	
	LSF 119N	NS	82	124	56	29.1	34.9		1808	
	LSF 126N	NS	81	123	56	31.9	44.8		2470	
	LX 02N	NS	84	127	54	29.6	46.0		2231	

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Brand	Hybrid	Trait*	Days to Bloom	Days to Mature	Plant Height	Test Weight	Oil Content †	Yield		
								2002	2003	2 yr Avg.
			days	days	inches	lbs/bu	%	lbs/Ac		
Mycogen	SF260		79	119	51	31.7	48.6	1890	1993	1942
	SF187		80	122	48	30.5	42.1		2403	
	8N327	NS	76	124	50	30.8	55.6	2115	2357	2236
	8488NS	NS	80	126	60	31.2	47.4		2944	

	8N421	NS	82	128	53	30.1	47.4	2431	1936	2184
Proseed	9441	NS	83	124	52	31.0	47.6		1444	
	9405	NS	82	127	55	27.5	42.9	1757	2546	2152
	CL5515	NS,CL	83	124	54	30.8	43.9		2465	
	Ex12	NS	79	120	57	29.4	48.6		2472	
	Ex14	NS	79	123	56	30.5	48.9		2302	
	Ex15	NS	78	118	52	30.2	47.4		2556	
	Ex39	NS	78	119	46	28.8	41.6		2349	
Seeds 2000	Colonel	NS	81	120	54	27.7	38.1		2439	
	Blazer	NS	80	124	48	32.2	48.6	2264	2429	2346
	Charger	NS,CL	81	125	57	29.7	37.1		2256	
E. Mat. check	Hysun 311		76	121	54	28.8	44.8	1589	2105	1847
M. Mat. check	Myc SF270		78	123	48	32.7	45.7	1502	2308	1905
L. Mat. check	P6451		82	126	53	29.4	50.2	2009	2412	2210
Check	USDA 894		82	124	54	28.9	37.8	2112	2471	2292
Trial Mean			80	124	53	30.2	44.9	1991	2274	--
C.V. %			1.2	2.8	10.4	3.9	7.7	15.9	10.7	--
LSD .05			1	5	8	1.6	4.8	515	341	--
LSD .01			2	6	10	2.2	6.4	683	450	--

* Trait: NS = Nusun, CL = Clearfield, HO = High Oleic

Planting date: May 15, 2003

Harvest date: October 17, 2003

Seeding rate: 21,000 seeds/acre, thinned to 18,650 plants/acre.

Row spacing: 28"

Previous crop: HRSW

Yields and oil content are adjusted to 10% moisture. Oil content has been adjusted for nusun types.