

2002 Oil Type Sunflower - Continuously Cropped No-till Hettinger

Brand	Hybrid	Days to Bloom	Days to Mature	Plant Height	Test Weight	Oil Content	Yield			Avg. Yield	
							2000	2001	2002	2 Year	3 Year
		days	days	inches	lbs/bu	%	lbs/ac				
Croplan Gen.	CL322*	79	121	48	31.2	38.8		1857	2161	2009	
Croplan Gen.	CL308*	76	121	45	33.1	44.3			2095		
Dekalb	DKF29-90	76	122	50	35.0	43.1	2205	1929	2073	2001	2069
Dekalb	DKF31-01NS*	78	122	58	32.7	36.7	2024	1628	2395	2012	2016
Dekalb	DKF33-33NS*	77	120	50	33.2	37.7			1571		
Dekalb	DK3868	79	121	48	33.5	43.0	2394	2139	2170	2154	2234
Dekalb	DK3875	80	122	46	31.0	39.0	3029	3293	1574	2434	2632
IntegraSeed	432	81	124	46	30.0	41.6			2260		
IntegraSeed	435	82	121	46	31.7	40.7			1993		
IntegraSeed	536NS*	78	119	43	32.0	39.4			1480		
IntegraSeed	541NS*	80	121	48	31.0	37.7			2261		
IntegraSeed	550NS*	82	122	44	29.7	39.7			2196		
IntegraSeed	544NS*	80	121	44	29.4	37.1			2069		
IntegraSeed	567NS*	80	121	42	31.2	41.8			2025		
Interstate	F63105NS*	79	120	44	31.3	38.9			1583		
Interstate	IS6521	76	120	46	34.3	40.2	2401	2043	2147	2095	2197
Interstate	IS6039	78	119	48	33.3	41.0	2031	2097	1749	1923	1959
Interstate	F90039HO**	78	122	51	31.4	41.5			2296		
Interstate	990213NS*	82	122	44	29.4	39.6			1594		
Interstate	HySun 450*	82	124	44	30.6	39.4		2434	2307	2370	
Interstate	IS4049	80	121	48	30.6	42.1	1668	2686	2103	2394	2152
Interstate	IS5331	78	120	36	30.3	40.0		1538	2100	1819	
Interstate	HySun 521*	78	121	38	31.7	38.3		2049	1937	1993	
Interstate	F00001	77	120	48	30.8	37.8			1616		
Kaystar	9404	80	122	47	30.0	37.2	2317	2289	2262	2276	2289
Mycogen	8377NS*	80	122	49	31.0	40.7	1738	1238	1903	1570	1626

continued

Brand	Hybrid	Days to Bloom	Days to Mature	Plant Height	Test Weight	Oil Content	Yield			Avg. Yield	
							2000	2001	2002	2 Year	3 Year
		days	days	inches	lbs/bu	%	lbs/ac				
Mycogen	8N327*	78	121	48	32.7	41.7			2115		
Mycogen	8N421*	80	123	52	30.9	41.5			2431		
Mycogen	SF260	80	120	47	31.3	42.7	2476	1890	2183		
Mycogen	SF270	76	120	42	32.5	37.4			1502		
Proseed	9612	80	122	53	30.5	36.3	1856	1803	1847	1825	1835
Proseed	9405*	81	123	45	26.5	37.2			1757		
Proseed	K-405*	80	121	44	28.5	36.2			1606		
Proseed	K-441*	80	120	47	30.4	38.2			2170		
Proseed	K-653*	81	121	46	28.4	34.8			2220		
Seeds 2000	Bronco*	81	123	42	30.4	40.4	2205	2025	2210	2118	2147
Seeds 2000	Blazer*	78	122	40	30.5	40.3			2264		
E. Mat. check	Hysun 311		116								
M. Mat. check	C270		120								
L. Mat. check	P6451		122								
Check	USDA 894	79	119	48	30.7	38.5	1800		2112		
Trial Mean		79	121	46	31.1	39.7	1950	2002	1991	--	--
C.V. %		2.0	1.4	7.1	2.6	4.0	14.0	12.6	15.9	--	--
LSD .05		2	3	7	1.3	2.6	442	356	515	--	--
LSD .01		3	4	9	1.7	3.4	587	469	683	--	--

* Nusun

** High Oleic

Planting date: May 13, 2002

Harvest date: October 9, 2002

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

2002 Confection Sunflower - Continuously Cropped No-till Hettinger									
Brand	Hybrid	Yield	Test weight	Days to Bloom	Days to mature	Plant height	Seed over Screen		
							22/64	20/64	18/64
		lbs/ac	lbs/bu	days	days	inches	%		
Interstate Seed	IS8048	2039	26.4	76	122	41	35	39	8
Interstate Seed	IS33139	2214	25.0	80	124	46	41	38	11

IntegraSeed	INT626	2024	27.0	77	123	46	36	43	11
USDA Check	Hyb 924	2033	26.4	76	123	38	21	46	16
Trial Mean		2077	26.2	77	123	43	33	42	12
C.V. %		5.9	2.8	3.1	1.7	7.8	28.3	15.1	26.1
LSD .05		NS	NS	NS	NS	NS	NS	NS	NS

Planting date: May 13, 2002

Seeding rate: 20,000 seeds/acre, thinned to 18,000 plants/acre.

Row spacing: 28"

Harvest date: October 9, 2002

Previous crop: HRSW

NS = no statistical difference between hybrids.