

Oilseeds

Flax

Dawson Creek Averages 1992-97

Variety	Days to Bloom	Days to Mature	Height cm	1000 k Weight grams	Test Weight kg/hl	Yield kg/ha	Yield bu/ac	Yield % of Norlin	Station Years
AC EMERSON	69	117	57	7.0	68.6	2377	42	99%	[2]
AC LINORA	68	121	60	6.5	67.8	2495	44	93%	[3]
AC McDUFF	68	122	55	5.9	67.3	2221	40	104%	[4]
AC WATSON	59	114	58	7.7	67.2	3565	63	114%	[1]
CDC NORMANDY	65	117	60	6.4	67.9	3278	58	108%	[2]
CDC TRIFFID	61	115	60	7.1	67.1	4026	72	129%	[1]
FLANDERS	67	118	51	5.7	66.8	2413	43	112%	[4]
FP 998	61	114	59	6.8	66.5	3457	61	111%	[1]
NORLIN	66	119	57	6.0	67.8	2245	40	100%	[4]
SOMME	70	119	57	5.5	67.6	2059	37	112%	[3]
VIMY	65	121	60	6.1	66.7	2293	41	105%	[4]

Solin

LINOLA 947	69	122	59	6.1	68.1	2538	45	94%	[3]
LINOLA 989	68	121	59	6.4	66.8	2839	51	94%	[2]

Yields of NORLIN	1992	1994	1995	1997	Average
kg/ha	890	2045	2924	3123	2246
bu/ac	16	36	52	56	40
CV %	18.84%	14.07%	7.86%	6.40%	

Flax- Very late maturity risks frost damage that causes grade loss. Dessication improves harvestability. Straw does not breakdown readily and should be removed to avoid becoming tangled in machinery.

Solin - New yellow-seeded flax which produces food quality oil. Very late maturity.

Safflower - Annual oilseed or birdseed crop. Very late maturity (120 days). We were successful in harvesting a plot of **Saffire** in 1999 but seed was of very poor quality.

Sunola - Open pollinating miniature sunflower adapted for short growing season . Not only is it frost tolerant after about mid August, but frost will speed up dry down and improve oil content. Best harvested at about 18% moisture but safe storage is at less than 12%. High oil content and black seed ideal for birdseed.

Sunwheat - Hybrid dwarf sunflower similar to sunola. Slightly shorter than sunola it produces larger heads and should be seeded at a lesser rate. Black seeds are slightly larger than sunola.

Dwarf Sunflowers

Variety and Seeding Rate Trials

Sunola / Sunwheat

Fort St. John 1995

Variety	Type	Seeding Rate seeds/ac	1000 k grams	Test Weight lb/bu	Yield kg/ha	Yield bu/ac	Yield lb/ac	Yield % of Sierra
AC SIERRA	sunola	75000	45.9	32.0	2223	62	1985	100%
SUNWHEAT 101	sunwheat	40000	55.8	29.8	1622	49	1448	73%
SUNWHEAT 103	sunwheat	40000	71.3	29.8	2826	85	2523	127%

Coefficient of Variation = 19.83 %

Direct combined at 136 days

Variety	Type	Seeding Rate seeds/ac	1000 k grams	Test Weight lb/bu	Yield kg/ha	Yield bu/ac	Yield lb/ac	Yield % of Sierra
AC SIERRA	sunola	65000	50.0	31.3	2438	70	2177	100%
SUNWHEAT 101	sunwheat	30000	61.4	28.3	1777	56	1587	73%
SUNWHEAT 103	sunwheat	30000	83.9	28.3	2429	77	2169	100%

Coefficient of Variation = 16.58 %

Direct combined at 136 days

Sunola / Sunwheat

Fort St. John 1994

Variety	Type	Seeding Rate seeds/ac	1000 k grams	Test Weight lb/bu	Yield kg/ha	Yield bu/ac	Yield lb/ac	Yield % of Sierra	Protein Content %	Oil Content %
AC AURORA	sunola	75000	50.1	34.9	1336	34	1193	84%	17.3	46.0
AC SIERRA	sunola	75000	49.2	34.4	1590	41	1420	100%	16.2	50.7
SUNWHEAT 101	sunwheat	40000	58.8	32.0	2196	61	1961	138%	15.6	42.7
SUNWHEAT 103	sunwheat	40000	65.8	32.5	2366	65	2113	149%	16.9	48.2

Coefficient of Variation = 19.52%

Direct combined at 138 days

Variety	Type	Seeding Rate seeds/ac	1000 k grams	Test Weight lb/bu	Yield kg/ha	Yield bu/ac	Yield lb/ac	Yield % of Sierra	Protein Content %	Oil Content %
AC AURORA	sunola	65000	70.7	33.4	1687	45	1506	93%	16.6	45.5
AC SIERRA	sunola	65000	60.4	33.2	1823	49	1628	100%	16.9	49.5
SUNWHEAT 101	sunwheat	30000	70.1	30.6	2423	71	2163	133%	17.5	41.6
SUNWHEAT 103	sunwheat	30000	75.5	30.4	2065	61	1843	113%	16.7	46.0

Coefficient of Variation = 10.49%

Direct combined at 138 days