

Sunflower Variety Trial

WREC, Williston, ND 2016

Variety	Company	Hybrid Type	Oil Type	Downy Mildew Resistant	Plants per Acre	Days to Flower	Days to Mature	Plant Height	Oil			Test Weight	Yield		
									2016	2-Yr Avg*	3-Yr Avg*		2016	2-Yr Avg*	3-Yr Avg*
									----%----	(lb/bu)	(lb/a)	(lb/a)	(lb/a)		
Talon	Nuseed	Express	NuSun	No	13236	64	95	51	34.4	32.9	31.9	29.6	1689	1544	1692
Hornet	Nuseed	Clearfield	High Oleic	Yes	16586	67	101	46	39.3	37.3	35.4	32.4	1988	1720	1764
Cobalt II	Nuseed	Clearfield	High Oleic	Yes	17256	64	97	46	37.5	35.4	34.0	32.9	2240	1814	1768
Camaro II	Nuseed	Clearfield	NuSun	Yes	15581	66	97	47	37.0	36.0	34.3	34.3	2002	1877	1795
68H7	NuTech	Express	High Oleic	Yes	15246	65	105	53	38.5	36.7	34.6	34.8	2480	1913	1817
N4HM354	Nuseed	Clearfield	High Oleic	Yes	17592	63	94	50	38.2	36.2	-	33.6	2118	1799	-
63C4	NuTech	Clearfield	NuSun	Yes	18932	63	95	49	38.6	-	-	33.1	1371	-	-
Daytona	Nuseed	Clearfield	High Oleic	No	17927	65	103	45	38.4	-	-	33.7	2108	-	-
Falcon	Nuseed	Express	NuSun	No	17089	66	100	45	38.1	-	-	34.6	1879	-	-
Mean					16604.9	64.7	98.3	47.9	37.77	-	-	33.23	1986.03	-	-
CV (%)					8.3	0.9	1.3	6.7	1.8	-	-	1.9	8.6	-	-
LSD (5%)					1999.7	0.8	1.9	4.7	1.00	-	-	0.91	248.55	-	-
LSD (10%)					1657.7	0.7	1.6	3.9	0.83	-	-	0.76	206.04	-	-

Location of the WREC: Latitude 48° 8'; Longitude 103° 44'W; Elevation 2105 ft

Previous crop: Durum

Planting Date: 6/3/2016

Harvest Date: 10/26/2016

Harvested area: 50.75 ft²

Soil test (0-6"): P=17 ppm; K=274 ppm; pH=6.5; OM=2.2%

Soil type: Williams-Bowbells loam

(0-24"): NO3-N=33 lb/a

Applied fertilizer in lb/a: 85.56 N

Chemical Applications: RT3 at 32fl.oz/a (preplant spring applied), Prowl H₂O at 3pints/a (preplant spring applied)DAP¹ = Days after planting

*Previous year averages were adjusted to 10% moisture