

Nebraska Sunflower Variety (Oil) Test - 2016

Box Butte Co._Irrigated

Brand	Hybrid	Entry	Oil Type*	Yield rank	Yield** (lbs/a)	Bushel wt (lbs/bu)	Oil %	Flowering (days after planting)	Plant height (inches)	Population (plants/a)
Syngenta	3732 NS	3	NS	1	1406	28	35	68	53	7086
Croplan	549	9	HO	2	1332	29	36	68	61	5808
Nuseed	Hornet	6	HO	3	1284	29	35	67	59	8247
Syngenta	SY7717	2	HO	4	1271	29	36	67	53	5460
Syngenta	SY7919	1	HO	5	1227	28	36	71	58	7318
Mycogen	8N510	16	HO	6	1061	29	38	71	58	7783
Croplan	458	13	HO	7	1060	29	36	68	61	6505
Nuseed	Falcon	5	NS	8	1054	29	34	67	59	9177
Nuseed	Camano II	4	NS	9	1051	29	33	67	54	4182
Nuseed	N4Hm354	7	HO	10	1045	28	37	69	55	7783
Croplan	545	8	NS	11	1041	28	36	71	57	5460
Croplan	455	12	HO	12	1038	29	34	66	60	7434
Croplan	432	11	NS	13	1035	28	35	63	59	8131
Averages of all entries					1147	29	35	68	57	6952
CV					24	3	3	5	8	30
Differences required for sig. at 5%					ns	1	2	5	8	3467

*NS = NuSun; HO - High Oleic; T = Traditional

**Adjusted for 10% moisture

Realistic yield would be much higher if population would have been at or near the target population (22000/acre)

Site: Alliance-Hemingford, NE

Planted: 6/6/2016

Harvested: 10/29/2016

Fertilizer: 0

Herbicide: 2 pints Prowl H2O

Comments Plant population (<50% of target 22,000/a) in the field remained the main issue. It is because of combinations of issues with the planter, thinning by new summer crew and chemical injury in few plots.

Oil Data Done at the USDA-ARS, Northern Crop Science Laboratory by Dr. Brent Hulke's group

