

Nebraska Sunflower Variety (Oil) Test - 2016

Cheyenne County_Dryland

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)
Nuseed	Camano II	4	NS	1	1102	27	39	62	58	8567
Nuseed	Falcon	5	NS	2	1058	28	39	67	56	7478
Syngenta	3732 NS	3	NS	3	877	27	39	63	55	4574
Nuseed	N4Hm354	7	HO	4	874	28	39	62	56	9148
Croplan	545	8	NS	5	864	28	39	68	57	7551
Syngenta	SY7717	2	HO	6	857	27	39	60	54	8712
Nuseed	Hornet	6	HO	7	855	28	39	67	56	7550
Croplan	432	11	NS	8	854	27	37	60	57	7405
Croplan	549	9	HO	9	822	28	37	60	67	7914
Croplan	553	10	HO	10	757	28	37	67	54	5736
Croplan	458	13	HO	11	751	27	37	65	64	9801
Croplan	455	12	HO	12	736	27	38	63	62	6534
Syngenta	SY7919	1	HO	13	723	28	39	67	54	6825
Mycogen	MY8H456CL	15	NS	14	655	28	41	71	57	5518
Mycogen	8H449CLDM	14	NS	15	288	27	41	69	51	2396
Averages of all entries					805	27	39	64	57	3892
CV					16	2	4	3	7	39
Differences required for sig. at 5%					189	1	3	3	6	7074

*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 (17500/acre)

Site: High Plains Ag. Lab (near Sidney, NE)

Planted: 6/7/2016

Harvested: 10/28/2016

Previous cr Wheat

Fertilizer: 40 lbs N

Herbicide: 2 Pints Prowl H2O, 2.5 oz Spartan Pre Plant

Comments Plant population (<50% of target 17,500/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

