

# Nebraska Sunflower Variety (Oil) Test - 2016

## Perkins Co.\_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	N4Hm354	7	HO	1	1037	27	44	60	55	10977
Nuseed	Hornet	6	HO	2	866	26	45	63	57	13329
Syngenta	SY7919	1	HO	3	865	26	43	63	58	7841
Croplan	432	11	NS	4	830	26	42	56	52	12633
Nuseed	Camano II	4	NS	5	830	27	45	62	56	10019
Croplan	545	8	NS	6	782	26	43	65	59	11936
Syngenta	3732 NS	3	NS	7	776	26	44	58	50	10367
Croplan	553	10	HO	8	690	27	43	63	63	10193
Croplan	455	12	HO	9	682	26	44	60	59	10280
Syngenta	SY7717	2	HO	10	657	27	42	57	57	10454
Nuseed	Falcon	5	NS	11	636	27	43	61	54	12197
Croplan	458	13	HO	12	629	27	44	62	60	10193
Croplan	549	9	HO	13	614	28	43	57	56	12110
<b>Averages of all entries</b>					<b>761</b>	<b>26</b>	<b>44</b>	<b>60</b>	<b>56</b>	<b>10964</b>
<b>CV</b>					<b>25</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>16</b>
<b>Differences required for sig. at 5%</b>					<b>278</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>2520</b>

\*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:** Grant, NE

**Planted:** 6/11/2016

**Harvested:** 11/1/2016

**Herbicide:** 2 pints Prowl H2O

**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

