

**Scotts Bluff Co Nebraska Irrigated Sunflower Variety Trial 2012 Oil Types**

<b>Brand Name</b>	<b>Hybrid Name</b>	<b>Yield* (lbs/a)</b>	<b>Flower days after Aug. 1</b>	<b>Plant Height (inches)</b>
Mycogen	8H449-CL, DM	1706	2	49
Mycogen	8N421-CL, DM	1744	1	45
Mycogen	8N510	1674	5	47
Mycogen	8N6785	2177	4	48
Seeds 2000	FALCON	1568	2	50
Seeds 2000	DURANGO	898	4	52
Seeds 2000	X6878	1608	2	49
Seeds 2000	TORINO	1485	2	46
Seeds 2000	X3822	1655	3	45
Seeds 2000	DAYTONA	1680	3	45
Seeds 2000	X6872	1762	2	45
Syngenta	NX24121	1170	1	49
Syngenta	NX24122(CL)	1711	2	47
Syngenta	NX24123(CL)	1511	3	48
Syngenta	3495 NS/CL/DM	1557	2	48
Syngenta	3158 NS/CL/DM	1394	2	51
Syngenta	3990 NS/CL/DM	1469	4	47
Syngenta	3733 NS/DM	1701	4	47
Syngenta	3733 NS/DM Pelleted	1513	3	49
Syngenta	3995 NS/SU	1574	3	50
Syngenta	3845 HO	1435	1	47
Syngenta	3158 NS/CL/DM Pelleted	1034	1	50
	<b>AVERAGE</b>	<b>1546</b>	<b>3</b>	<b>48</b>
	<b>c.v.</b>	<b>13</b>	<b>40</b>	<b>9</b>
	<b>L.S.D. (0.05)</b>	<b>290</b>	<b>1</b>	<b>6</b>

\*Adjusted for 10% moisture

**Hand Harvesting:**

In order to avoid total yield loss due to bird damage, 10 random heads were hand harvested ~2 weeks before they were dry enough to combine. There was already 20-50% seed loss due to bird. The wet heads were dried in dryer and threshed when they were dry.

**Yield calculation:**

Total number of heads were counted for each plot and plot seed weight was calculated using the formula

$$\text{Plot Yield} = Y \times (N/10)$$

Y = wt of seed from 10 heads

N = No. of heads/plot

**Moisture and Test Weight:**

Seed amount from 10 heads was too less to obtain moisture and test weight (TW)

However, seeds from 5 plots were bulked and used to estimate average of moisture and TW

Average moisture = 5.2% and was used to adjust yield on 10% moisture basis.

Average TW = 31.5. TW of each entry was not obtained and not reported.

**Site:** Scottsbluff, NE

**Planted:** 6/1/2012

**Harvested:** 9/25/2012

**Previous crop:** Camelina

**Fertilizer:** 30 lbs N

**Herbicide:** 2 Pints Prowl H2O, 2.5 oz Spartin Pre Plant

**Insecticide:** None

