

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

Brand Name	Hybrid Name	Yield* (lbs/a)	Test Wt (lbs/Bu)	Moisture at harvest (%)	Flower days after Aug. 1	Plant Height (inches)	SEED SIZE	
							%>22/64	%>20/64
Sunopta	D9530CL	3143	20	4.9	3	51	66	16
Seeds 2000	5009	3124	19	4.9	1	50	75	7
Sunopta	D9592CL	2930	20	5	2	51	74	6
Sunopta	D-9530	2815	18	5	1	53	76	9
Sunopta	EX-11CL	2729	19	5	2	53	68	8
Seeds 2000	X4337	2708	20	4.9	2	58	74	13
Sunopta	D9569	2415	22	5	2	54	73	12
CHS	RH402CL	2320	22	4.9	1	51	79	6
Sunopta	9579	2179	21	5	1	41	72	8
Seeds 2000	JAGUAR II	2115	17	4.9	1	57	70	10
Seeds 2000	X4334	2084	22	4.9	2	56	63	17
Seeds 2000	JAGUAR	1641	20	5	1	53	77	6
	<b>AVERAGE</b>	<b>2516</b>	<b>20</b>	<b>5</b>	<b>2</b>	<b>53</b>	<b>72</b>	<b>10</b>
	<b>c.v.</b>	<b>21</b>	<b>11</b>	<b>2</b>	<b>45</b>	<b>9</b>	<b>12</b>	<b>52</b>
	<b>L.S.D. (0.05)</b>	<b>756</b>	<b>3</b>	<b>0.2</b>	<b>1</b>	<b>7</b>	<b>13</b>	<b>7</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 formulae:

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

Y = wt of seed from 10 heads

N = No. of heads/plot

**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