



**2017 Dryland Oil Sunflower Hybrid  
Variety Performance Trial at Julesburg**

Brand	Hybrid	Oil Type <sup>a</sup>	Technology		Yield <sup>c</sup> lb/ac	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac	Oil Content <sup>c</sup> percent
			Oil Type <sup>a</sup>	Traits <sup>b</sup>						
Croplan	7919 CL HO	HO	Clearfield, DM		2466	8.9	25.1	59	10,388	37.7
Nuseed	N4HM521	HO	Clearfield, DM		2342	8.5	23.8	61	9,868	36.5
Nuseed	Hornet	HO	Clearfield, DM		2332	7.7	26.1	61	11,967	38.1
Croplan	3732	NS	N/A		2326	7.8	26.7	55	9,928	38.8
Croplan	549 CL	NS	Clearfield, DM		2229	7.1	27.1	67	12,560	36.9
Croplan	455 E HO	HO	ExpressSun, DM		2222	7.9	26.5	58	11,869	37.9
Croplan	545 CL	NS	Clearfield, DM		2118	7.9	26.4	56	13,581	37.1
Croplan	568 CL HO	HO	Clearfield, DM		2095	8.5	25.9	57	9,029	37.1
Croplan	7717 CL HO	HO	Clearfield, DM		1959	7.1	26.8	60	12,816	37.5
Croplan	432 E	NS	ExpressSun, DM		1955	7.3	26.0	54	12,091	35.3
Nuseed	N4HM354	NS	Clearfield, DM		1952	7.2	26.5	53	14,233	36.5
Nuseed	Cobalt II	HO	Clearfield, DM		1898	7.5	26.6	57	12,793	37.4
Nuseed	Camaro II	NS	Clearfield, DM		1827	7.6	27.1	61	11,388	35.8
Croplan	458 E HO	HO	ExpressSun, DM		1823	7.9	23.5	59	10,113	34.6
Croplan	3845 HO	HO	N/A		1761	7.6	26.2	48	7,752	37.7
Croplan	450 E HO	HO	ExpressSun, DM		1628	7.9	26.3	57	9,822	34.5
<b>Average</b>					<b>2058</b>	<b>7.8</b>	<b>26.0</b>	<b>58</b>	<b>11,262</b>	<b>36.8</b>
<sup>d</sup> LSD (P<0.30)					196					
<sup>d</sup> LSD (P<0.05)					376					
Coefficient of Variation (%)					13.0					

<sup>a</sup>Oil type designations: HO=High oleic; NS=NuSun/Mid-oleic.

<sup>b</sup>Technology trait designations: Clearfield=tolerant to Beyond herbicide; DM=downy mildew resistance; ExpressSun=tolerant to Express herbicide; N/A=no technology traits.

<sup>c</sup>Yield and oil content were corrected to 10% moisture.

<sup>d</sup>If the difference between two hybrid yields equals or exceeds the LSD value, there is a 70% chance (P<0.30) or 95% chance (P<0.05) the difference is significant.

**Site Information**

Collaborator: Josh Leachman  
 Planting Date: June 8, 2017  
 Harvest Date: November 2, 2017  
 Fertilizer: N at 40 lb/ac and P at 34 lb/ac at planting  
 Herbicide: Pre-plant: Spartan at 4 oz/ac and Prowl H20 at 1.8 pt/ac  
 Soil Type: Richfield loam

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