



**2019 Irrigated Confection Sunflower Hybrid Performance Trial at Burlington**

Brand	Hybrid	Technology Traits <sup>a</sup>	2-Year Avg.		Moisture	Test Weight	Plant Height	Population	Seed Retained Over Screen			
			Yield <sup>b</sup>	Yield					Over 24/64	Over 22/64	Over 20/64	Over 16/64
			lb/ac	lb/ac	percent	lb/bu	in	plants/ac	percent			
Nuseed	X4334	Clearfield	<b>3188</b>	-	8.4	20.7	74	12,560	46.3	71.1	88.6	98.6
Valia Genetics	Valia 41	N/A	2842	2769	7.0	21.3	72	9,511	23.8	45.5	72.3	95.8
Nuseed	NSKM65810	Clearfield	2478	-	8.5	19.9	69	10,091	30.5	55.5	78.2	97.9
Nuseed	Jaguar II	Clearfield	2350	-	8.3	21.2	70	11,035	33.1	55.8	79.3	97.2
Red River Commodities	RRC 2414	N/A	2278	3100	7.6	22.2	76	10,963	29.9	49.0	75.1	96.3
Red River Commodities	RRC 2319	N/A	2263	2580	7.8	21.8	72	11,689	21.8	46.0	75.3	96.7
Nuseed	LD5009	N/A	2228	2758	7.9	21.4	66	9,946	27.5	45.5	67.1	96.8
Nuseed	NSKM53777	Clearfield	2102	-	7.5	21.1	66	9,801	27.2	49.3	76.5	97.3
Nuseed	N6L602 CL	Clearfield	1949	-	9.0	20.3	65	11,253	30.9	49.9	72.7	96.9
Red River Commodities	RRC 2310	N/A	1807	2508	9.2	21.1	74	11,035	32.0	55.3	78.0	96.5
Valia Genetics	H9811 EXP	N/A	1546	2086	7.4	21.7	66	10,091	26.2	46.6	71.4	96.8
Valia Genetics	H9814 EXP	N/A	1508	-	7.6	20.3	64	11,979	44.1	60.9	78.7	97.0
<b>Average</b>			<b>2211</b>	<b>2634</b>	<b>8.0</b>	<b>21.1</b>	<b>70</b>	<b>10,830</b>	<b>31.1</b>	<b>52.5</b>	<b>76.1</b>	<b>97.0</b>
°LSD (P<0.30)			269									
°LSD (P<0.05)			517									
Coefficient of Variation (%)			21.3									

<sup>a</sup>Technology trait designations: Clearfield=tolerant to Beyond herbicide; N/A=no technology traits.

<sup>b</sup>Yield and oil content were corrected to 10% moisture at harvest. Hybrid(s) in the top yield group (P<0.30) are bolded.

<sup>c</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: Gerhard Heintges  
 Planting Date: June 10, 2019  
 Harvest Date: October 17, 2019  
 Irrigation: Center-pivot  
 Soil Type: Norka-Colby silt loam

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