



2020 Irrigated Confection Sunflower Hybrid  
Performance Trial at Burlington

Brand	Hybrid	Technology Traits <sup>a</sup>	Yield <sup>b</sup> lb/ac	2-Year Avg. Yield lb/ac	Moisture percent	Test Weight lb/bu	Plant Height in	Population plants/ac	Seed Retained Over Screen			
									Over 24/64	Over 22/64	Over 20/64	Over 16/64
Red River Commodities	RRC 2414	N/A	<b>3469</b>	2874	12.2	20.1	67	15,972	46.1	20.7	17.3	11.9
Royal Hybrid	RH609CLP	Clearfield Plus	2977	-	12.1	21.2	57	14,375	44.0	27.2	20.3	7.6
Valia Genetics	Valia 92	N/A	2817	-	12.9	22.0	55	14,810	29.1	21.9	19.9	23.3
Royal Hybrid	20-EXP05*	Clearfield	2787	-	11.5	23.6	60	15,536	27.9	16.2	10.7	25.8
Valia Genetics	Valia 41	N/A	2695	2769	12.2	21.5	57	13,649	19.8	27.8	31.4	19.4
Royal Hybrid	8D310CL*	Clearfield	2674	-	12.7	25.8	53	16,698	18.1	10.5	8.4	52.3
Red River Commodities	RRC 2319	N/A	2643	2453	12.4	20.4	62	13,576	41.7	23.5	18.9	14.9
Valia Genetics	Valia 95	N/A	2626	-	12.1	20.7	45	12,124	39.8	20.9	14.2	18.8
Red River Commodities	RRC 2310	N/A	2591	2199	13.0	19.3	63	12,778	53.5	25.6	13.2	6.0
Royal Hybrid	15-EXP02	ExpressSun	2563	-	12.1	19.8	58	9,220	48.3	26.6	17.0	6.5
Royal Hybrid	RH1121	N/A	2555	-	11.8	21.4	58	13,068	53.0	24.3	13.7	7.6
Royal Hybrid	20-EXP3	ExpressSun	2520	-	11.5	21.2	56	14,665	38.6	30.5	17.7	10.8
Red River Commodities	EX 97404	N/A	2353	-	14.4	21.2	58	9,874	47.1	25.6	15.1	10.5
<b>Average</b>			<b>2713</b>	<b>2574</b>	<b>12.4</b>	<b>21.4</b>	<b>57</b>	<b>13,565</b>	<b>39.0</b>	<b>23.2</b>	<b>16.8</b>	<b>16.6</b>
<sup>c</sup> LSD (P<0.30)			264									
<sup>c</sup> LSD (P<0.05)			508									
Coefficient of Variation (%)			12.7									

\*Hybrids with an asterisk are conoil type hybrids.

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

<sup>b</sup>Yields were corrected to 10% moisture at harvest. Hybrids 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, the difference is significant. Hybrid yields in the top yield group (P<0.30) are in bold. Farmers should use the LSD (P<0.30) for selecting superior hybrids to minimize economic loss due to false negative results and others may use LSD (P<0.05) to minimize the risk of false positive results.

**Site Information**

Collaborator: Gerhard Heintges  
 Planting Date: June 1, 2020  
 Harvest Date: October 14, 2020  
 Fertilizer: N at 125, P at 40, and S at 5 lb/ac  
 Soil Type: Norka-Colby silt loams  
 GPS Coordinates: 39.187, -102.2714

*This table may be reproduced only in its entirety.*