

**2021 Irrigated Confection Sunflower Hybrid
Performance Trial at Prospect Valley**

Brand	Hybrid	Technology Traits ^a	Yield ^b lb/ac	Moisture percent	Test Weight lb/bu	Seed Retained Over Screen			
						Over 24/64	Over 22/64	Over 20/64	Over 16/64
Royal Hybrid	RH609CLP	Clearfield Plus	3390	13	17	90.6	6.5	2.5	0.0
Royal Hybrid	21-EXP01	ExpressSun	3330	12	17	78.3	15.3	4.9	1.1
Nuseed	NSKM15788	Clearfield	3270	12	15	56.0	31.0	10.4	2.0
Red River Commodities	RRC 2414	N/A	2940	12	16	94.2	3.7	1.1	0.5
SH Seeds	Express	IMI	2160	12	16	83.6	11.8	3.4	0.7
SH Seeds	SHS 46	IMI	2160	12	16	89.6	7.5	1.9	0.8
Red River Commodities	RRC 2319	N/A	2130	13	16	77.4	15.2	5.0	1.8
Nuseed	4334	Clearfield	1920	12	16	90.6	5.9	2.9	0.0
Red River Commodities	RRC 2310	N/A	1830	11	17	60.0	27.0	11.4	1.1
Nuseed	NJKE15790	Clearfield	1710	13	18	35.1	31.1	22.5	10.5
Nuseed	NDKM16761	Clearfield	1650	11	16	63.1	26.8	8.5	1.1
Average			2410	12	17	74.4	16.5	6.8	1.8
^c LSD (P<0.30)			330						
^c LSD (P<0.05)			644						
Coefficient of Variation (%)			25.5						

^aTechnology trait designations: Clearfield and Clearfield Plus=tolerant to Beyond herbicide; ExpressSun=tolerant to Express herbicide; IMI=tolerant to imidazolinone herbicide; N/A=no technology traits.

^bYields were corrected to 10% moisture at harvest. Hybrids in the top yield group

^cFarmers selecting a hybrid based on yield should use the LSD (.30) to protect themselves from false negative decisions. Companies or researchers may be interested in the LSD (.05) to avoid false positive conclusions.

Site Information

Collaborator: Leon Zimbelman
 Planting Date: June 12, 2021
 Harvest Date: October 22, 2021
 Soil Type: Colby loam
 GPS Coordinates: 40.01568, -104.43006

*The data included in this table may not be republished without permission.
 Contact Sally Jones-Diamond at sally.jones@colostate.edu.*