



2017 Irrigated Oil Sunflower Hybrid
Variety Performance Trial at Prospect Valley

Brand	Hybrid	Technology		Yield ^c	Moisture	Test Weight	Plant Height	Population	Oil Content ^c
		Oil Type ^a	Traits ^b						
				lb/ac	percent	lb/bu	in	plants/ac	percent
Dyna-Gro	XH72H47CL	HO	Clearfield	4211	6.7	32.5	63	19,907	40.7
Croplan	568 CL HO	HO	Clearfield, DM	4138	7.0	31.9	60	18,605	41.2
Nuseed	N4HM521	HO	Clearfield, DM	4022	7.3	30.4	60	18,123	38.7
Nuseed	N4HM505	HO	Clearfield, DM	3976	7.1	32.4	63	22,732	39.1
Dyna-Gro	XH72N54CP	HO	Clearfield Plus	3869	6.9	35.2	66	21,936	42.0
Croplan	455 E HO	HO	ExpressSun, DM	3856	6.8	33.0	63	21,658	39.2
Dyna-Gro	XH71H27CL	HO	Clearfield	3802	6.7	32.3	69	21,805	39.9
Croplan	549 CL	NS	Clearfield, DM	3744	6.4	32.8	71	19,387	38.1
Nuseed	Hornet	HO	Clearfield, DM	3712	6.7	32.5	64	19,605	39.6
Croplan	7919 CL HO	HO	Clearfield, DM	3547	7.1	30.7	59	18,965	39.8
Croplan	545 CL	NS	Clearfield, DM	3539	6.9	32.6	57	18,456	38.4
Croplan	450 E HO	HO	ExpressSun, DM	3499	6.9	32.3	64	17,583	37.6
Croplan	3845 HO	HO	N/A	3422	6.5	32.4	57	15,580	40.4
Nuseed	Camaro II	NS	Clearfield, DM	3388	6.5	33.4	63	21,898	38.6
Croplan	3732	NS	N/A	3350	6.6	32.8	56	19,529	40.5
Dyna-Gro	XH71N44CL	NS	Clearfield	3335	7.0	32.7	58	22,911	39.2
Croplan	432 E	NS	ExpressSun, DM	3328	6.7	32.3	58	22,261	36.5
Dyna-Gro	XH72H38CL	HO	Clearfield	3287	6.6	31.8	57	17,501	38.7
Dyna-Gro	XH72H12CP	HO	Clearfield Plus	3205	6.4	32.7	65	20,391	39.7
Croplan	458 E HO	HO	ExpressSun, DM	3180	6.7	31.2	57	19,050	38.7
Croplan	7717 CL HO	HO	Clearfield, DM	3172	6.5	31.9	58	19,273	37.4
Nuseed	N4HM354	NS	Clearfield, DM	3167	6.4	33.0	61	21,872	39.6
Dyna-Gro	XH72H22HCL	HO	Clearfield	2819	6.6	32.9	52	19,084	37.5
Dyna-Gro	XH72H61CL	HO	Clearfield	2735	6.5	31.4	65	19,179	38.3
Dyna-Gro	HX71N33CL	NS	Clearfield	2688	6.4	33.4	58	22,619	39.9
Nuseed	Cobalt II	HO	Clearfield, DM	2485	6.7	32.9	57	20,055	39.3
Dyna-Gro	XH73H14CL	HO	Clearfield	2450	6.7	32.3	52	21,161	38.6
Dyna-Gro	XH73H32CL	HO	Clearfield	2401	6.7	32.7	66	17,707	39.3
Dyna-Gro	XH71H11CL	HO	Clearfield	2166	6.6	32.6	58	22,035	39.2
Average				3327	6.7	32.4	61	20,030	39.2

^dLSD (P<0.30)

256

^dLSD (P<0.05)

488

Coefficient of Variation (%)

10.5

^aOil type designations: HO=High oleic; NS=NuSun/Mid-oleic.

^bTechnology trait designations: Clearfield and Clearfield Plus=tolerant to Beyond herbicide; DM=downy mildew resistance; ExpressSun=tolerant to Express herbicide; N/A=no technology traits.

^cYield and oil content were corrected to 10% moisture.

^dIf 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: David Ruppel
 Planting Date: June 5, 2017
 Harvest Date: November 3, 2017
 Fertilizer: Poultry manure at 4.5 ton/ac
 Herbicide: Sonalan at 3 pt/ac
 Insecticide: Warrior at 1.92 oz/ac and Lorsban at 0.67 pt/ac
 Irrigation: Furrow irrigation
 Soil Type: Weld loam

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