

2018 Hidalgo County Oilseed Sunflower Trial

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Company	Hybrid	Oil Type*	Moisture	Test Wt.	Seed Yield @ 10%	Oil Content	Gross Crop
			%	lb/bu	moisture lb/A	%	Value** \$/acre
Dyna-Gro	H49NS14CL	NuSun	13.2 a	29.7 d	1547 a	44.2 bc	254 a
Croplan	7717 CL HO	HO	8.7 c	30.8 b	1532 a	44.8 ab	253 a
Nuseed	Camaro II	NuSun	8.8 c	30.2 cd	1401 b	43.8 c	229 b
Dyna-Gro	H48HO15CL	HO	11.5 b	27.0 g	1263 c	45.7 a	210 bc
Nuseed	Sierra	HO	11.4 b	27.8 f	1279 bc	41.9 d	207 c
Nuseed	Daytona	HO	9.3 c	30.7 bc	1263 c	44.2 bc	207 c
Croplan	7111 CL HO	HO	8.3 c	32.0 a	1265 c	41.3 d	205 c
Nuseed	Hornet	HO	9.1 c	28.5 e	1246 c	43.5 c	203 c
Dyna-Gro	49HO19CL	HO	8.6 c	28.7 e	1206 c	43.9 c	197 c
Mean			9.9	29.5	1334	43.7	218
P>F			0.0001	<0.0001	<0.0001	<0.0001	<0.0001
LSD(0.05)			1.7	0.6	124	0.9	21
CV%			19.4	5.3	11.9	3.4	12.1

* Oil type derived from seed companies. The National Sunflower Association identifies NuSun as mid-oleic (55-77% oleic value). All samples were tested by the Kansas Grain Inspection Service and all had oleic values greater than 85%. The apparent difference between the two hybrids reported to be NuSun and the oil analysis results for this trial are not understood.

*Crop value based on \$0.162/lb base price plus 1% premium for each percent oil content over 43%

ADDITIONAL SINGLE REPLICATE ENTRIES- Small plot size due to seed availability

Company	Hybrid	Oil Type	Moisture	Test Wt.	Seed Yield @ 10%	Oil Content	Gross Crop
			%	lb/bu	moisture lb/A	%	Value \$/acre
Nuseed	NHKM30047DM	HO	15.5	29	1269	45.2	210
Nuseed	N4HM411	HO	10.8	28.5	1383	43.9	226

This trial was a dryland, commercially grown, on-farm trial with 3 random replications of 1.8 acre plots. Thanks to all cooperating seed companies.