TEXAS A&M UNIVERSITY
Soil & Crop Sciences

College Station
2021 Sunflower
Performance Trial

TEXAS A&M AGRILIFE

Brand	Variety	Plant Height (in)	Lodging (%)	Oil Content (%)	Moisture %	Test Weight (lb/bu)	Yield (lb/acre)
S&W Seed	SW110	82	0	N/A	8.5	31.1	3,314.6
Dyna-Gro	H45NS16	86	0	N/A	8.3	30.7	3,122.6
S&W Seed	SF440	85	0	N/A	8.2	32.0	3,042.0
Nuseed	N4H422	97	0	N/A	8.7	29.4	2,894.8
Dyna-Gro	XH91H54	97	0	N/A	8.1	29.4	2,891.6
Dyna-Gro	H49NS14	85	0	N/A	8.7	26.9	2,641.6
Nuseed	N4H470	93	0	N/A	8.3	28.1	2,580.7
Dyna-Gro	H49HO19	84	0	N/A	8.5	28.2	2,551.8
Dyna-Gro	XH81H52CP	93	0	N/A	8.9	27.5	2,550.8
Nuseed	N4H302	96	0	N/A	8.4	27.3	2,214.2
Nuseed	Falcon	90	0	N/A	8.4	28.6	2,199.9
Nuseed	N4H521	88	0	N/A	8.5	26.5	1,966.5
Dyna-Gro	H48HO15	86	0	N/A	8.8	25.9	1,925.0

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked variety. Shattering score is based on a 0-9 scale. 0 = no shattering, 9 = severe.

TEXAS A&M UNIVERSITY
Soil & Crop Sciences

College Station
2021 Sunflower
Performance Trial

TEXAS A&M AGRILIFE

Brand	Variety	Plant Height (in)	Lodging (%)	Oil Content (%)	Moisture %	Test Weight (lb/bu)	Yield (lb/acre)
Mean		89	0		8.5	28.6	2,607.4
C.V. %		3.5			3.9	2.7	8.1
P>f (hybrid)		0.000			0.173	0.000	0.000
L.S.D.		5.2			0.6	1.3	373.6

Agronomic information

Plant Date	3/31/2021
Harvest Date	8/28/2021
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Seeds per Acre	20,000
Precipitation (in)	30.8
Irrigation (in)	

Herbicide

1.5 pt/ac Dual applied pre-plant

Soil Type	Ships clay
Tillage	Conventional
Previous Crop	Grain Sorghum

Trial Notes

*15 oz/ac Prevathon + 14 oz/ac Quilt applied 6/10

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

Cooperator: Texas A&M AgriLife

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at $p < 0.05$. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.

For additional information contact:
Dr. Ronnie Schnell / Katrina Horn
ronschnell@tamu.edu / khorn@tamu.edu
979-845-2935 / 979-845-8505

Fertilizer Applied

N (lb/ac)	90
P2O5 (lb/ac)	0
K2O (lb/ac)	0
S (lb/ac)	0
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)		pH	
P (ppm)*		Conductivity (umho/cm)	
K (ppm)*		Ca (ppm)*	
S (ppm)*		Mg (ppm)*	
		Na (ppm)*	

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked variety. Shattering score is based on a 0-9 scale. 0 = no shattering, 9 = severe.