



**2017 Irrigated Oilseed Sunflower Hybrid Trial**  
**Dallam County, Texas**  
 (Meyer Farm, Page 1)



Planted July 3, harvested November 3, 2017. Ronald Meyer, cooperators, Dalhart, Texas.

| Company or Brand       | Hybrid        | Hybrid Trait† | Days to Half Bloom | Plant Height (inches) | Avg. Plants/acre | Test Wt. (lbs./bu) | % Oil Content | Oil Yield (lbs./A) | Seed Yield @10% H2O (lbs./A) | Crop Value‡ (\$/Acre) |
|------------------------|---------------|---------------|--------------------|-----------------------|------------------|--------------------|---------------|--------------------|------------------------------|-----------------------|
| Dyna-Gro               | DG H42HO18 CL | HO, CL        | 57                 | 56                    | 18,200           | 28.1               | 38.8          | 644                | 1,660                        | 278                   |
| Dyna-Gro               | DG H49HO19 CL | HO, CL        | 61                 | 62                    | 19,500           | 27.7               | 41.0          | 809                | 1,972                        | 348                   |
| Dyna-Gro               | XH72H22CL     | HO, CL *      | 57                 | 50                    | 16,800           | 28.8               | 40.2          | 844                | 2,098                        | 364                   |
| Dyna-Gro               | XH72H38CL     | HO, CL *      | 60                 | 64                    | 16,500           | 28.7               | 41.1          | 763                | 1,858                        | 328                   |
| Dyna-Gro               | DG H48HO15 CL | HO, CL        | 61                 | 66                    | 18,100           | 26.8               | 43.0          | 906                | 2,107                        | 387                   |
| Dyna-Gro               | DG H44HO12 CL | HO, CL        | 56                 | 56                    | 17,700           | 27.0               | 41.3          | 798                | 1,930                        | 343                   |
| Dyna-Gro               | XH72N54CP     | Nu, CL *      | 58                 | 53                    | 18,500           | 31.7               | 44.7          | 877                | 1,961                        | 350                   |
| Dyna-Gro               | XH73H32CL     | HO, CL *      | 58                 | 53                    | 16,800           | 28.0               | 38.4          | 628                | 1,634                        | 271                   |
| Mycogen                | E84131CL      | HO, CL, SS    | 54                 | 35                    | 18,600           | 27.2               | 40.1          | 682                | 1,701                        | 294                   |
| Mycogen                | MY8H456CL     | HO, CL        | 61                 | 61                    | 18,700           | 26.7               | 42.3          | 907                | 2,146                        | 388                   |
| Mycogen                | 8H449CLDM     | HO, CL        | 59                 | 66                    | 17,400           | 30.1               | 43.2          | 871                | 2,017                        | 371                   |
| Nuseed                 | Cobalt II     | HO, CL        | 57                 | 50                    | 16,500           | 28.1               | 39.4          | 822                | 2,086                        | 355                   |
| Nuseed                 | Hornet        | HO, CL        | 61                 | 60                    | 18,300           | 28.2               | 40.9          | 851                | 2,080                        | 366                   |
| Nuseed                 | N4HM354       | Nu, CL        | 59                 | 59                    | 16,600           | 29.6               | 41.8          | 981                | 2,344                        | 396                   |
| Nuseed                 | N4HM521       | HO, CL        | 59                 | 56                    | 16,800           | 27.1               | 42.1          | 752                | 1,789                        | 322                   |
| Nuseed                 | N4HM505       | HO, CL        | 59                 | 57                    | 18,800           | 27.7               | 40.9          | 953                | 2,331                        | 411                   |
| Terral                 | REV SF364     | Nu, EX        | 57                 | 62                    | 17,500           | 27.5               | 41.8          | 840                | 2,009                        | 339                   |
| Terral                 | REV SF385     | HO, EX        | 58                 | 73                    | 18,500           | 30.2               | 41.3          | 986                | 2,386                        | 424                   |
| <b>Oilseed Average</b> |               |               | <b>58</b>          | <b>58</b>             | <b>17,800</b>    | <b>28.3</b>        | <b>41.2</b>   | <b>829</b>         | <b>2,006</b>                 | <b>\$352</b>          |

|                                  |         |         |        |         |         |         |         |         |
|----------------------------------|---------|---------|--------|---------|---------|---------|---------|---------|
| P-Value (Hybrid)                 | <0.0001 | <0.0001 | 0.0327 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Fisher's Protected LSD (0.05)¶   | 2       | 6       | 1,900  | 1.3     | 1.0     | 103     | 239     | 43      |
| Coefficient of Variation, CV (%) | 3.6     | 15.4    | 8.1    | 5.5     | 4.0     | 14.6    | 13.0    | 14.0    |

†Nu = NuSun mid-oleic, HO = high oleic, EX = Express herb. tolerant, CL = Clearfield herb. tolerant, SS = short stature, \* = Experimental

‡Most common market pricing for oilseed is HO @ \$17.30/cwt. & Nu @ \$16.30/cwt. with 2-for-1 pricing above 40.0% oil & -2.5-for-1 below 40.0%.

¶Numbers in the same column that vary by more than the LSD are significantly different at the 95% confidence level.

**2017 Trial Notes:**

Seasonal rainfall was ~20" with ~3" irrigation. Sunflower head moth control (Dupont Prevathon) applied twice by airplane.

No-till trial field received 60 lbs. N/acre.

An adjacent confectionary sunflower hybrid trial (8 entries) yielded \_\_\_ lbs./A (X% seed >22/64") with average crop value \$\_\_\_/acre.

Trial conducted by Dr. Calvin Trostle, Extension Agronomy, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu



**2015-2017 Irrigated Oilseed Sunflower  
Hybrid Trial  
Dallam County, Texas  
(Meyer Farm, Page 1)**



| Company or Brand       | Hybrid        | Hybrid Trait† | 2017         |                | 2016-2017    |                | 2015-2017    |                |
|------------------------|---------------|---------------|--------------|----------------|--------------|----------------|--------------|----------------|
|                        |               |               | %Oil Content | Yield (lbs./A) | %Oil Content | Yield (lbs./A) | %Oil Content | Yield (lbs./A) |
| Dyna-Gro               | DG H42HO18 CL | HO, CL        | 38.8         | 1,660          |              |                |              |                |
| Dyna-Gro               | DG H49HO19 CL | HO, CL        | 41.0         | 1,972          |              |                |              |                |
| Dyna-Gro               | XH72H22CL     | HO, CL *      | 40.2         | 2,098          |              |                |              |                |
| Dyna-Gro               | XH72H38CL     | HO, CL *      | 41.1         | 1,858          |              |                |              |                |
| Dyna-Gro               | DG H48HO15 CL | HO, CL        | 43.0         | 2,107          |              |                |              |                |
| Dyna-Gro               | DG H44HO12 CL | HO, CL        | 41.3         | 1,930          |              |                |              |                |
| Dyna-Gro               | XH72N54CP     | Nu, CL *      | 44.7         | 1,961          |              |                |              |                |
| Dyna-Gro               | XH73H32CL     | HO, CL *      | 38.4         | 1,634          |              |                |              |                |
| Mycogen                | E84131CL      | HO, CL, SS    | 40.1         | 1,701          | 39.7         | 2,017          |              |                |
| Mycogen                | MY8H456CL     | HO, CL        | 42.3         | 2,146          | 42.1         | 2,654          | 42.2         | 2,669          |
| Mycogen                | 8H449CLDM     | HO, CL        | 43.2         | 2,017          | 43.0         | 2,656          | 42.1         | 2,468          |
| Nuseed                 | Cobalt II     | HO, CL        | 39.4         | 2,086          | 39.1         | 2,562          | 38.4         | 2,531          |
| Nuseed                 | Hornet        | HO, CL        | 40.9         | 2,080          | 40.4         | 2,633          | 40.9         | 2,702          |
| Nuseed                 | N4HM354       | Nu, CL        | 41.8         | 2,344          | 41.1         | 2,742          |              |                |
| Nuseed                 | N4HM521       | HO, CL        | 42.1         | 1,789          |              |                |              |                |
| Nuseed                 | N4HM505       | HO, CL        | 40.9         | 2,331          |              |                |              |                |
| Terral                 | REV SF364     | Nu, EX        | 41.8         | 2,009          |              |                |              |                |
| Terral                 | REV SF385     | HO, EX        | 41.3         | 2,386          |              |                |              |                |
| <b>Oilseed Average</b> |               |               | <b>41.2</b>  | <b>2,006</b>   | <b>40.9</b>  | <b>2,544</b>   | <b>40.9</b>  | <b>2,592</b>   |

For further information about this test contact Extension agronomist Dr. Calvin Trostle, Texas A&M AgriLife Extension, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu For Texas A&M AgriLife Crop Testing program info. contact Ms. Katrina Horn, Crop Testing director, Texas A&M AgriLife Research, College Station, (979) 845-8505, khorn@tamu.edu  
For further information about sunflower in Texas contact Calvin Trostle, or visit our sunflower webpages at <http://lubbock.tamu.edu/sunflower>, or <http://varietytesting.tamu.edu/sunflower>