



Confectionary Sunflower Hybrid Trial, McCook, TX (Hidalgo Co.)

Conducted by Dennis Pietsch, Crop Testing Program director, College Station, (979) 845-8505, dpietsch@ag.tamu.edu
 Mike Hudsonpillar/HK Farms II, cooperater; Planted 2/12/2015, harvested 6/24/2015, 30" rows (non-irrigated)
 Summarized by Dr. Calvin Trostle, Extension agronomist, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu



| CONFECTIONARY | | Hybrid Trait† | Half-Bloom (days) | Plant Height (in.) | Plants per Acre | Lodging % | Blank Seed % | Test Wt. (Lbs./bu) | CONFECTIONARY | | Yield (lbs./A) (10% H2O) | Flat Rate Crop Value \$/A‡ | Crop Value w/ Seed Size \$/A‡ |
|--------------------------------------|-----------|---------------|-------------------|--------------------|-----------------|-------------|--------------|--------------------|----------------|----------------|--------------------------|----------------------------|-------------------------------|
| Company | Hybrid | | | | | | | | Seed % >22/64" | Seed % >20/64" | | | |
| Nuseed | 5009 | | | 68 | 11,900 | 9 | 5 | 16.7 | 21 | 66 | 2,039 | 449 | 495 |
| Nuseed | Puma | | | 78 | 14,400 | 14 | 11 | 14.1 | 55 | 83 | 1,452 | 319 | 379 |
| Nuseed | Jaguar XL | CL | | 82 | 11,100 | 26 | 5 | 15.3 | 13 | 46 | 1,552 | 341 | 342 |
| Mycogen | 770CL | CL | | 72 | 10,700 | 27 | 4 | 14.5 | 77 | 93 | 1,528 | 336 | 417 |
| Confectionary Average | | | | 75 | 12,000 | 19.2 | 6 | 15.2 | 41 | 72 | 1,643 | \$361 | \$408 |
| P-value (4 reps.) | | | | 0.0131 | 0.2696 | 0.0666 | | 0.0085 | 0.0047 | 0.0009 | <0.0001 | 0.0048 | 0.0030 |
| Fisher's Protected Least Sig. Diff.¶ | | | | 8 | NS | NS | | 1.3 | 25 | 12 | 288 | \$63 | \$66 |
| Coefficient. of Variation, %CV | | | | 9.1 | 23.3 | 56.9 | | 8.6 | 71.9 | 27.1 | 16.9 | 16.9 | 16.4 |

†Hybrid traits: CL, Clearfield herbicide tolerance.

‡2015 LRGV confectionary priced @ \$22/cwt. (flat rate); a sample calculation of pricing based on seed size \$28/17 cwt. for seed relative to 22/64" is included.

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

COMMENTS: LRGV sunflower experienced frequent heavy rainfall. Some lodging was due to the soybean stem borer. No multi-year data is available as the 2014 confectionary trial at Monte Alto was irrigated. Test weight was unacceptably low. An adjacent AgriLife Crop Testing Program oilseed sunflower hybrid trial (16 entries) yielded 1,679 lbs./A with average 39.7% oil content (flat rate crop value, \$353/A; adjusted for oil content, \$352/A).

For further information about this test or the Texas A&M AgriLife Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Program director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Crop Testing webpage at <http://varietytesting.tamu.edu> for sunflower and other crop hybrid information.

For additional sunflower production resources for Texas contact Extension agronomist Dr. Calvin Trostle, Texas A&M AgriLife Extension Service, Lubbock, (806) 723-8432, ctrostle@ag.tamu.edu, or visit <http://lubbock.tamu.edu/sunflower>