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2013

Texas Oat Variety Trial Results

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Texas Oat Variety Trials

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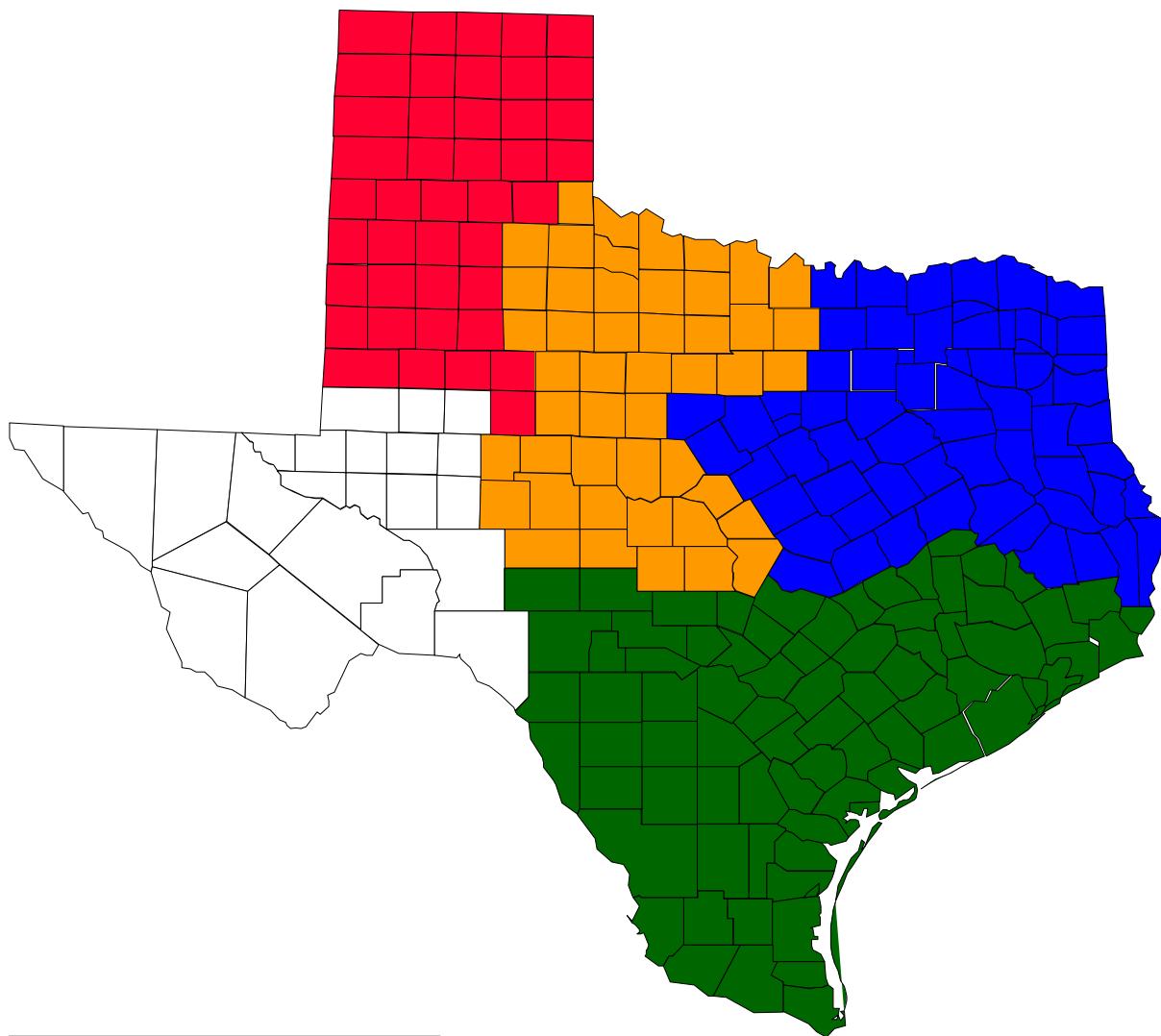
Texas A&M AgriLife Extension Service

Clark Neely, Daniel Hathcoat, Travis Miller,
David Drake, and Curtis Jones

Texas A&M AgriLife Research

Amir Ibrahim, Jackie Rudd, Russell Sutton,
Geraldine Opena, Ravindra Devkota, Bryan Simoneaux,
Jason Baker, and Shannon Baker

Texas Small Grains Regional Map



Legend:

| | |
|----------------------|---|
| Texas High Plains | |
| Texas Rolling Plains | |
| Texas Blacklands | |
| South Texas | |

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Introduction

Texas producers planted 500,000 acres in oats for the 2012-2013 cropping season according to the National Agricultural Statistics Service (NASS). This figure is down by 30,000 acres planted last year. In 2012, only 75,000 acres were harvested producing an average of 49 bu/a compared to 85,000 harvested acres with an estimated 49 bu/a average in 2013, a 13% increase in the number of acres harvested.

The Uniform Oat Variety Trial (OVT) is coordinated and implemented by numerous Texas A&M AgriLife Extension and Research faculty and staff from Commerce, Vernon, San Angelo and College Station. We also appreciate the cooperation from numerous County Extension Agents and producers that aid with locations and property to conduct these field trials. The purpose of this publication is to provide unbiased yield and disease data from field trials in major oat producing regions for oat producers across the state. With this information Texas oat producers can make a more educated decisions about appropriate varieties for their geographic region.

Variety Selection:

Selection of small grain varieties is one of the most important decisions a producer will make. This decision impacts potential yield (forage and grain), seed quality (test weight and protein), disease and insect management and maturity. It is important that producers diversify the varieties to be planted on their farms. Variety diversification spreads the risk associated with potentially devastating pests (crown rust, stem rust, barley yellow dwarf virus greenbugs, etc.) and yield loss from adverse environmental factors (freeze, drought, etc.).

Producers would be advised to select no fewer than 2 or 3 varieties to plant on their farms and preferably more, depending on size and location of fields. Variety selection should be based upon a combination of sound data from university trials and other reliable sources. Oat varieties should be chosen based on multiple years of data (yield, pest resistance, grain quality and maturity). High yields over multiple years and multiple locations demonstrate a variety's ability to perform well over diverse environmental conditions. Stable yield performance is an excellent variety selection tool. It is important to consider decreasing yields over a 2 or 3-year time frame, which may reflect a change in disease and/or insect resistance.

When selecting a variety for the 2013-14 season, producers need to consider multiple year averages, recognizing the climatic variability that impacted yield and quality over the past several years. It is strongly encouraged that producers look at the 3-year averages where available, and to look at numerous relevant variety trial locations. There are typically ten or more oat variety trials conducted across the state each year, and most of these contain analyses from multiple years.

Interpreting the Data:

Grain yield and test weight at each location have been analyzed using appropriate statistical procedures. The statistical analysis provides the mean, coefficient of variation (CV), and LSD values. It is important to note these statistical values to prevent misinterpretation of any replicated data.

The mean is another term for the average. Therefore, a mean yield is the average of all the plots within a trial. Individual variety yields can be compared to the mean yield to determine how these varieties performed within the trial (i.e. were they above or below average?). This average can also be used as an indication of the environment for that location. A low mean yield can indicate poor growing conditions were experienced in that season; likewise, a high yield average can indicate favorable growing conditions.

The CV (Coefficient of Variation) value, expressed as a percentage, indicates the level of unexplained variability present within the trial. A high CV value indicates a lot of variability existed within the trial not related to normal variations that might be expected between the varieties in the test. This variability may be the result from non-uniform stands, non-uniform insect or disease pressure, variability in harvesting, or other issues. Generally, CV values in excess of 15% should cause the reader using the data to understand that there were problems in the trial that will cause concerns about the validity of the data as a true representation of varietal performance.

The LSD value is a numeric range to help the reader determine if the varieties performed differently from one another within the trial. If the LSD value is 5 bu/ac in a trial in which Variety A yielded 36 bu/a and Variety B yielded 30 bu/a, then Variety A is said to be significantly better. In that same trial with an LSD value of 5 bu/ac at a 0.05 (5%) significance level, the statistical inference one could say is that Variety A would yield better than Variety B in 19 out of 20 trials conducted in which there was at least a 5 bushel difference in yield. In this hypothetical comparison, you might have a 20th trial with a 5 bu/ac difference that there is not truly a difference between Variety A and B, but random chance caused the 5 bushel difference.

2013 Texas Region Overview

Texas Blacklands:

The Texas Blacklands had a decent growing season for small grains compared to the remainder of the state. Dry fall conditions made stand establishment difficult in some regions, but grain yields benefited from adequate moisture from the end of December through the rest of the growing season. Multiple freezing events in the spring caused significant injury to the plants, potentially reducing oat yields. Development of rust and other diseases came late in the season. Most fields were sprayed to eliminate further spreading of diseases. Late season rainfall and numerous storms came steady and often causing delayed harvest, shattered seed, and lodged plants in parts of this region.

Texas High Plains:

The Texas High Plains struggled this winter with a continuing severe drought and numerous freezing events. Stand establishment was very difficult early in the season due to the drought if irrigation wasn't available. Many fields were lost due to the persistent drought throughout the entire growing season. Other challenges on oat fields this winter included three hard freezes that came during the flowering to milk stage. Due to the cooler temperatures, insects were not a substantial issue and diseases developed later in the season.

Texas Rolling Plains:

The Texas Rolling Plains producers also struggled while growing oats this winter. Dry conditions from the persistent drought early in the season led to reduced stands and crop loss. Freezing events later in the season had a significant effect on the oat plants that were flowering and in the early stages of seed fill. Like most of the rest of the state, insects and diseases were not a major problem this year due to the cooler temperatures.

South Texas:

In the southern part of the state, conditions were not favorable to planting dryland oat fields this past winter. If irrigation was not available, stands were reduced and even lost. Periods of lower temperatures were experienced in this part of the state as well, but crop injury from these temperatures was not as substantial as other parts of the state. In some parts of South Texas, early dry conditions changed to late season storms with damaging winds and hail. Early season crown rust was present at severe levels in some locations and resulted in yield losses if not controlled quickly. Insects were not a significant problem this season in this region.



2013 Variety Characteristics¹

| Variety | Source | First Year Sold | Maturity | Crown Rust | Stem Rust | Height (inches) | Straw Strength |
|-------------|------------------|-----------------|--------------|------------|-----------|-----------------|----------------|
| Big Mac | McGregor M&G | | Medium | MS | MS | 33 | fair |
| Bob | UA | | Medium | MS | MS | 32 | fair |
| Coronado | TAMU | | Medium | MS | MR | 41 | fair |
| Dallas | TAMU | | Medium | S | S | 48 | fair |
| Florida 501 | UF | 1968 | Medium Early | S | MS | 35 | fair |
| Harrison | LSU | | Medium Early | S | S | 46 | fair |
| HG 76-30 | East Texas Seed | | Medium | MS | MS | 44 | fair |
| Horizon 201 | UF | 2009 | Medium Early | MR | MR | 47 | fair |
| Horizon 270 | UF | 2006 | Medium Early | MR | MS | 40 | fair |
| NF-27 | Noble Foundation | | Medium Early | MS | MR | 39 | poor |
| Nora | UA | | Medium | S | S | 37 | poor |
| Ozark | UA | | Medium | MS | MS | 38 | poor |
| LA9339 | LSU | 2002 | Medium | MR | MR | 44 | fair |
| RAM 99016 | LSU | | Medium | MR | S | 45 | poor |
| TAMO 405 | TAMU | | Early | MS | MR | 38 | good |
| TAMO 406 | TAMU | | Medium | MR | MR | 43 | fair |
| TAMO 411 | TAMU | 2012 | Medium Early | MR | MR | 36 | good |
| TAMO 606 | TAMU | | Medium | MS | MR | 36 | fair |

¹S - Susceptible, MS - Moderately Susceptible, MR - Moderately Resistant, and R - Resistant

All ratings are subject to change as re-evaluation occurs.

Texas Oat Variety Trials:

2013 Agronomic Data

| Location | Cooperator(s) | Planting Date | Fertilizer (Total) | Pesticide Applied (Date) | Yield Limiting Issues |
|------------------------|-------------------------------------|----------------------|---------------------------|--|---|
| | | | (lbN/a) | | |
| Brady | Holubec Farms; David Holubec | 11/2/12 | 100 | Ally + Weedmaster (2/21/13) | Dry conditions throughout |
| Castroville | Mike Echley | 11/12/12 | 120 | Weedmaster (2/7/13) Dimethoate (2/7/13) | Hailed out at harvest: Data Not Shown |
| Chillicothe | Texas A&M AgriLife Research Farm | 10/16/12 | 45 | Lorsban (3/13/13) | Multiple late freezes |
| College Station | Texas A&M AgriLife Research Farm | 10/22/12 | 70 | Weedmaster (2/15/13) Dimethoate (2/15/13) | Dry conditions early; Severe bird damage; Early stem rust |
| Eagle Lake | Schiurring Farms; Chriss Schiurring | 11/28/12 | 100 | Weedmaster (2/5/13) | Severe Drought; Data Not Shown |
| Ellis County | Bob Beakley | 10/19/12 | 35 | Amber (2/15/13) | Freeze Injury |
| Lamar County | Ricky Snell | 11/19/12 | 50 | Weedmaster (2/15/13) | Late Emergence |
| McGregor | McGregor Research Center | 11/15/12 | 65 | None | Dry conditions throughout; Data Not Shown |
| Prosper | Kenneth Wright | 11/17/12 | 50 | Amber (2/15/13) | Late emergence and Late leaf rust |



2013 Uniform Oat Variety Trials - State Wide Yields

| 2013 State Wide Rank | Variety | Source | 2013 Yield | | 2013 Yield | | | | |
|-------------------------------|---------------------|------------------|-------------------|-------------|-------------|-------------------------|-----------------|-----------------|-------------|
| | | | State Wide | | (bu/a) | | | | |
| | | | Average (bu/a) | Brady | Chillicothe | College Station | Ellis County | Lamar County | Prosper |
| 1 | TX09CS1112* | TAMU | 104.3 | 62.7 | 67.3 | 54.5 | 134.2 | 171.2 | 119.4 |
| 2 | TX09CS1029* | TAMU | 102.0 | 72.7 | 68.3 | 67.3 | 137.9 | 147.4 | 107.0 |
| 3 | LA06046SS-N2-Ab2* | LSU | 100.1 | 62.4 | 58.6 | 73.2 | 131.6 | 137.9 | 100.3 |
| 4 | LA07007SBSB-68* | LSU | 97.6 | 59.8 | 63.4 | 56.4 | 133.3 | 151.5 | 107.1 |
| 5 | Ozark | UA | 95.5 | 68.4 | 55.8 | 52.6 | 132.1 | 156.0 | 93.7 |
| 6 | FL0764-R4* | UF | 95.4 | 62.8 | 57.5 | 59.6 | 125.9 | 156.3 | 98.1 |
| 7 | LA05011GSBS-30* | LSU | 95.1 | 60.8 | 61.9 | 69.1 | 127.8 | 143.8 | 98.6 |
| 8 | Horizon 270 | UF | 94.5 | 70.0 | 52.5 | 65.2 | 130.9 | 145.7 | 93.2 |
| 9 | TAMO 411 | TAMU | 93.3 | 66.9 | 60.8 | 67.5 | 94.9 | 155.2 | 105.7 |
| 10 | TX07CS1948* | TAMU | 92.4 | 45.2 | 67.5 | 61.2 | 132.5 | 137.9 | 99.7 |
| 11 | TAMO 606 | TAMU | 90.9 | 68.2 | 57.9 | 57.3 | 95.6 | 161.3 | 93.7 |
| 12 | TX09CS1056* | TAMU | 90.8 | 56.1 | 59.2 | 57.7 | 110.5 | 143.7 | 106.5 |
| 13 | TAMO 406 | TAMU | 90.7 | 67.2 | 52.5 | 42.9 | 119.1 | 142.0 | 104.4 |
| 14 | Nora | UA | 89.0 | 66.2 | 51.2 | 45.1 | 121.4 | 153.4 | 82.1 |
| 15 | LA04004SBSB-7-B-S1* | LSU | 89.0 | 53.9 | 50.9 | 37.1 | 117.2 | 157.6 | 99.8 |
| 16 | TAMO 405 | TAMU | 87.2 | 55.5 | 61.5 | 45.7 | 117.5 | 130.6 | 98.7 |
| 17 | RAM 99016 | LSU | 86.1 | 61.3 | 47.3 | 44.3 | 75.9 | 162.2 | 111.8 |
| 18 | LA06059SBSBSB-46* | LSU | 85.4 | 58.6 | 56.9 | 41.6 | 97.3 | 137.9 | 105.7 |
| 19 | LA06063SBSBSB-13* | LSU | 85.1 | 60.2 | 64.3 | 45.8 | 112.4 | 122.7 | 91.9 |
| 20 | LA9339 | LSU | 85.0 | 60.4 | 51.4 | 47.6 | 103.1 | 139.6 | 95.6 |
| 21 | Coronado | TAMU | 84.6 | 66.5 | 46.0 | 52.8 | 80.0 | 148.4 | 103.5 |
| 22 | Horizon 201 | UF | 83.8 | 66.7 | 39.1 | 59.2 | 63.0 | 164.5 | 111.2 |
| 23 | Dallas | TAMU | 82.9 | 73.0 | 42.5 | 53.8 | 104.6 | 121.9 | 99.2 |
| 24 | FL03254-L1* | UF | 82.7 | 62.6 | 54.1 | 51.8 | 93.2 | 129.3 | 94.7 |
| 25 | Bob | UA | 81.5 | 51.5 | 41.6 | 39.0 | 118.6 | 129.7 | 94.4 |
| 26 | Harrison | LSU | 81.3 | 65.1 | 58.6 | 33.8 | 68.8 | 143.0 | 102.5 |
| 27 | Florida 501 | UF | 74.1 | 45.1 | 29.5 | 40.3 | 110.4 | 121.2 | 87.1 |
| 28 | NF-27 | Noble Foundation | 71.0 | 44.8 | 27.6 | 40.1 | 92.2 | 124.9 | 86.0 |
| 29 | Big Mac | McGregor M&G | 69.7 | 49.2 | 47.7 | 42.5 | 94.0 | 84.7 | 91.1 |
| 30 | HG 76-30 | East Texas Seed | 67.0 | 65.0 | 36.3 | 49.8 | 68.8 | 100.0 | 76.6 |
| | | Mean | 87.6 | 61.0 | 53.0 | 51.8 | 108.2 | 140.7 | 98.5 |
| | | CV (%) | 11.9 | 14.8 | 13.5 | 17.7^a | 11.1 | 8.1 | 12.5 |
| | | LSD (5%) | 7.08 | 14.8 | 11.7 | 18.8 | 19.7 | 18.6 | 20.2 |

*Experimental Line

^aTrials with a coefficient of variation (CV) ≥ 15% contain excessive experimental error.

Readers should consider trials in a similar environment to confirm varietal effect on yields.



2013 Uniform Oat Variety Trial - Brady

| 4-Year Rank | Variety | Source | Yield (bu/a) | | | | Test Wt. (lb/bu) | |
|----------------|---------------------|------------------|---------------------|----------------------|---------------------|-------------------|---------------------|------|
| | | | 4-Year [§] | 3-Year ^{††} | 2-Year [†] | 2013 | 2013 | 2013 |
| 1 | Horizon 201 | UF | 82.5 | 61.0 | 70.0 | 66.7 | 32.6 | |
| 2 | Horizon 270 | UF | 80.8 | 61.9 | 73.7 | 70.0 | 32.7 | |
| 3 | TAMO 406 | TAMU | 79.8 | 62.1 | 71.4 | 67.2 | 35.7 | |
| 4 | LA9339 | LSU | 77.2 | 56.8 | 62.7 | 60.4 | 34.8 | |
| 5 | Dallas | TAMU | 75.5 | 60.4 | 72.9 | 73.0 | 34.7 | |
| 6 | Harrison | LSU | 75.4 | 57.4 | 63.2 | 65.1 | 36.2 | |
| 7 | TAMO 411 | TAMU | 73.2 | 59.6 | 71.6 | 66.9 | 35.0 | |
| 8 | TAMO 606 | TAMU | 72.9 | 55.8 | 62.2 | 68.2 | 34.3 | |
| 9 | TX07CS1948* | TAMU | 68.9 | 52.3 | 60.3 | 45.2 | 35.8 | |
| 10 | TAMO 405 | TAMU | - | 70.7 | 43.0 | 55.5 | 35.4 | |
| 11 | TX09CS1029* | TAMU | - | 62.8 | 71.2 | 72.7 | 34.5 | |
| 12 | TX09CS1056* | TAMU | - | 57.0 | 65.2 | 56.1 | 34.8 | |
| 13 | Ozark | UA | - | 55.6 | 65.3 | 68.4 | 35.5 | |
| 14 | Nora | UA | - | 53.3 | 61.0 | 66.2 | 33.3 | |
| 15 | RAM 99016 | LSU | - | 52.4 | 55.9 | 61.3 | 35.8 | |
| 16 | HG 76-30 | East Texas Seed | - | 49.7 | 56.6 | 65.0 | 35.3 | |
| 17 | Florida 501 | UF | - | 47.9 | 58.4 | 45.1 | 33.1 | |
| 18 | Coronado | TAMU | - | 46.3 | 53.7 | 66.5 | 34.5 | |
| 19 | Bob | UA | - | 45.0 | 59.0 | 51.5 | 35.4 | |
| 20 | Big Mac | McGregor M&G | - | 35.2 | 40.8 | 49.2 | 34.8 | |
| 21 | LA04004SBSB-7-B-S1* | LSU | - | - | 65.3 | 53.9 | 36.0 | |
| 22 | NF-27 | Noble Foundation | - | - | 49.5 | 44.8 | 27.4 | |
| 23 | FL0764-R4* | UF | - | - | - | 62.8 | 36.1 | |
| 24 | TX09CS1112* | TAMU | - | - | - | 62.7 | 31.3 | |
| 25 | FL03254-L1* | UF | - | - | - | 62.6 | 36.1 | |
| 26 | LA06046SS-N2-Ab2* | LSU | - | - | - | 62.4 | 34.1 | |
| 27 | LA05011GSBS-30* | LSU | - | - | - | 60.8 | 33.3 | |
| 28 | LA06063SBSBSB-13* | LSU | - | - | - | 60.2 | 36.8 | |
| 29 | LA07007SBSB-68* | LSU | - | - | - | 59.8 | 35.0 | |
| 30 | LA06059SBSBSB-46* | LSU | - | - | - | 58.6 | 31.9 | |
| | | | Mean | 76.3 | 54.0 | 62.3 | 61.0 | 34.4 |
| | | | CV (%) | 14.3 | 17.0 ^a | 16.1 ^a | 14.8 | |
| | | | LSD (5%) | 9.0 | 8.7 | 11.8 | 14.8 | |

*Experimental Line

[†]Yield average for 2013 and 2012

^{††}Yield average for 2013, 2012, and 2011

[§]Yield average for 2013, 2012, 2011, and 2010

^aTrials with a coefficient of variation (CV) $\geq 15\%$ contain excessive experimental error.

Readers should consider trials in a similar environment to confirm varietal effect on yields.



2013 Uniform Oat Variety Trial - Chillicothe

| 4-Year Rank | Variety | Source | Yield (bu/a) | | | Test Wt. (lb/bu) | |
|-------------|---------------------|------------------|---------------------|----------------------|---------------------|------------------|------|
| | | | 4-Year [§] | 3-Year ^{††} | 2-Year [†] | 2013 | 2013 |
| 1 | TAMO 411 | TAMU | 68.3 | 52.0 | 74.8 | 60.8 | 31.4 |
| 2 | Horizon 270 | UF | 66.1 | 48.6 | 67.8 | 52.5 | 29.6 |
| 3 | TAMO 606 | TAMU | 64.5 | 48.5 | 69.7 | 57.9 | 33.6 |
| 4 | TX07CS1948* | TAMU | 64.0 | 49.7 | 71.4 | 67.5 | 31.9 |
| 5 | LA9339 | LSU | 62.4 | 43.0 | 60.6 | 51.4 | 31.0 |
| 6 | Horizon 201 | UF | 58.8 | 32.2 | 46.7 | 39.1 | 31.5 |
| 7 | TAMO 406 | TAMU | 58.5 | 36.2 | 52.6 | 52.5 | 30.0 |
| 8 | Harrison | LSU | 58.3 | 45.5 | 64.5 | 58.6 | 32.0 |
| 9 | Dallas | TAMU | 53.3 | 35.7 | 51.3 | 42.5 | 30.0 |
| 10 | TAMO 405 | TAMU | - | 56.1 | 33.7 | 61.5 | 32.4 |
| 11 | TX09CS1029* | TAMU | - | 55.9 | 79.8 | 68.3 | 30.9 |
| 12 | TX09CS1112* | TAMU | - | 53.6 | 77.3 | 67.3 | 30.3 |
| 13 | TX09CS1056* | TAMU | - | 50.5 | 71.6 | 59.2 | 29.5 |
| 14 | Nora | UA | - | 44.9 | 64.6 | 51.2 | 31.9 |
| 15 | Ozark | UA | - | 44.7 | 64.7 | 55.8 | 33.7 |
| 16 | RAM 99016 | LSU | - | 40.2 | 58.2 | 47.3 | 31.3 |
| 17 | Coronado | TAMU | - | 39.3 | 57.4 | 46.0 | 32.1 |
| 18 | Bob | UA | - | 35.9 | 52.3 | 41.6 | 34.6 |
| 19 | Big Mac | McGregor M&G | - | 32.0 | 45.2 | 47.7 | 34.5 |
| 20 | HG 76-30 | East Texas Seed | - | 30.3 | 43.5 | 36.3 | 32.6 |
| 21 | Florida 501 | UF | - | 29.3 | 41.5 | 29.5 | 35.3 |
| 22 | LA04004SBSB-7-B-S1* | LSU | - | - | 60.8 | 50.9 | 34.5 |
| 23 | NF-27 | Noble Foundation | - | - | 42.3 | 27.6 | 32.6 |
| 24 | LA06063SBSBSB-13* | LSU | - | - | - | 64.3 | 33.3 |
| 25 | LA07007SBSB-68* | LSU | - | - | - | 63.4 | 32.9 |
| 26 | LA05011GSBS-30* | LSU | - | - | - | 61.9 | 29.0 |
| 27 | LA06046SS-N2-Ab2* | LSU | - | - | - | 58.6 | 29.0 |
| 28 | FL0764-R4* | UF | - | - | - | 57.5 | 30.2 |
| 29 | LA06059SBSBSB-46* | LSU | - | - | - | 56.9 | 32.0 |
| 30 | FL03254-L1* | UF | - | - | - | 54.1 | 31.1 |
| | | | Mean | 61.6 | 42.1 | 60.0 | 53.0 |
| | | | CV (%) | 12.0 | 13.5 | 11.4 | 13.5 |
| | | | LSD (5%) | 6.0 | 5.4 | 8.0 | 11.7 |

*Experimental Line

[†]Yield average for 2013 and 2012

^{††}Yield average for 2013, 2012, and 2011

[§]Yield average for 2013, 2012, 2011, and 2010



2013 Uniform Oat Variety Trial - College Station

| 3-Year Rank | Variety | Source | Yield (bu/a) | | Test Wt. (lb/bu) | |
|-------------|---------------------|------------------|----------------------|---------------------|------------------|-------------------|
| | | | 3-Year ^{††} | 2-Year [†] | 2013 | 2013 |
| 1 | Horizon 270 | UF | 107.3 | 83.5 | 65.2 | 25.0 |
| 2 | TX07CS1948* | TAMU | 92.4 | 63.4 | 61.2 | 27.1 |
| 3 | Horizon 201 | UF | 87.2 | 68.6 | 59.2 | 26.4 |
| 4 | TAMO 411 | TAMU | 86.0 | 75.7 | 67.5 | 27.5 |
| 5 | LA9339 | LSU | 85.6 | 52.6 | 47.6 | 24.4 |
| 6 | TAMO 606 | TAMU | 72.7 | 39.6 | 57.3 | 28.8 |
| 7 | TAMO 406 | TAMU | 70.5 | 49.1 | 42.9 | 26.8 |
| 8 | Dallas | TAMU | 61.2 | 36.2 | 53.8 | 26.5 |
| 9 | Harrison | LSU | 49.8 | 32.9 | 33.8 | 24.3 |
| 10 | TX09CS1112* | TAMU | - | 75.1 | 54.5 | 19.9 |
| 11 | TX09CS1029* | TAMU | - | 66.4 | 67.3 | 21.0 |
| 12 | TX09CS1056* | TAMU | - | 66.3 | 57.7 | 25.7 |
| 13 | RAM 99016 | LSU | - | 64.9 | 44.3 | 29.9 |
| 14 | LA04004SBSB-7-B-S1* | LSU | - | 59.1 | 37.1 | 24.1 |
| 15 | TAMO 405 | TAMU | - | 45.7 | 45.7 | 29.0 |
| 16 | Coronado | TAMU | - | 41.4 | 52.8 | 29.6 |
| 17 | Florida 501 | UF | - | 34.2 | 40.3 | 28.5 |
| 18 | Bob | UA | - | 32.7 | 39.0 | 31.2 |
| 19 | Nora | UA | - | 32.5 | 45.1 | 25.0 |
| 20 | Big Mac | McGregor M&G | - | 31.0 | 42.5 | 27.1 |
| 21 | NF-27 | Noble Foundation | - | 29.3 | 40.1 | 28.1 |
| 22 | HG 76-30 | East Texas Seed | - | 28.9 | 49.8 | 26.1 |
| 23 | Ozark | UA | - | 28.9 | 52.6 | 26.4 |
| 24 | LA06046SS-N2-Ab2* | LSU | - | - | 73.2 | 29.6 |
| 25 | LA05011GSBS-30* | LSU | - | - | 69.1 | 26.4 |
| 26 | FL0764-R4* | UF | - | - | 59.6 | 26.2 |
| 27 | LA07007SBSB-68* | LSU | - | - | 56.4 | 30.2 |
| 28 | FL03254-L1* | UF | - | - | 51.8 | 26.5 |
| 29 | LA06063SBSBSB-13* | LSU | - | - | 45.8 | 27.6 |
| 30 | LA06059SBSBSB-46* | LSU | - | - | 41.6 | 27.1 |
| | | | Mean | 79.1 | 49.6 | 51.8 |
| | | | CV (%) | 10.1 | 14.3 | 17.7 ^a |
| | | | LSD (5%) | 9.7 | 10.3 | 18.8 |

[†]Yield average for 2013 and 2012

^{††}Yield average for 2013, 2012, and 2011

^aTrials with a coefficient of variation (CV) ≥ 15% contain excessive experimental error.

Readers should consider trials in a similar environment to confirm varietal effect on yields.



2013 Uniform Oat Variety Trial - Ellis County

| 4-Year Rank | Variety | Source | Yield (bu/a) | | | |
|----------------|---------------------|------------------|---------------------|----------------------|---------------------|-------|
| | | | 4-Year [§] | 3-Year ^{††} | 2-Year [†] | 2013 |
| 1 | Horizon 270 | UF | 126.5 | 123.0 | 141.3 | 130.9 |
| 2 | TAMO 406 | TAMU | 120.4 | 119.0 | 130.9 | 119.1 |
| 3 | TAMO 411 | TAMU | 118.6 | 114.5 | 124.0 | 94.9 |
| 4 | Horizon 201 | UF | 114.4 | 106.2 | 113.8 | 63.0 |
| 5 | RAM 99016 | LSU | 109.8 | 102.4 | 116.3 | 75.9 |
| 6 | TAMO 606 | TAMU | 108.2 | 99.8 | 105.6 | 95.6 |
| 7 | LA9339 | LSU | 106.0 | 103.2 | 116.2 | 103.1 |
| 8 | Harrison | LSU | 102.0 | 91.2 | 96.9 | 68.8 |
| 9 | Dallas | TAMU | 85.5 | 77.8 | 79.1 | 104.6 |
| 10 | TAMO 405 | TAMU | - | 102.2 | 99.4 | 117.5 |
| 11 | Nora | UA | - | 101.6 | 110.2 | 121.4 |
| 12 | Bob | UA | - | 93.7 | 108.3 | 118.6 |
| 13 | Coronado | TAMU | - | 92.9 | 105.5 | 80.0 |
| 14 | Florida 501 | UF | - | 92.2 | 110.8 | 110.4 |
| 15 | Ozark | UA | - | 91.4 | 95.7 | 132.1 |
| 16 | Big Mac | McGregor M&G | - | 67.1 | 80.8 | 94.0 |
| 17 | HG 76-30 | East Texas Seed | - | 64.9 | 66.3 | 68.8 |
| 18 | LA04004SBSB-7-B-S1* | LSU | - | - | 132.4 | 117.2 |
| 19 | NF-27 | Noble Foundation | - | - | 95.9 | 92.2 |
| 20 | TX09CS1029* | TAMU | - | - | - | 137.9 |
| 21 | TX09CS1112* | TAMU | - | - | - | 134.2 |
| 22 | LA07007SBSB-68* | LSU | - | - | - | 133.3 |
| 23 | TX07CS1948* | TAMU | - | - | - | 132.5 |
| 24 | LA06046SS-N2-Ab2* | LSU | - | - | - | 131.6 |
| 25 | LA05011GSBS-30* | LSU | - | - | - | 127.8 |
| 26 | FL0764-R4* | UF | - | - | - | 125.9 |
| 27 | LA06063SBSBSB-13* | LSU | - | - | - | 112.4 |
| 28 | TX09CS1056* | TAMU | - | - | - | 110.5 |
| 29 | LA06059SBSBSB-46* | LSU | - | - | - | 97.3 |
| 30 | FL03254-L1* | UF | - | - | - | 93.2 |
| | | | Mean | 110.4 | 96.7 | 107.8 |
| | | | CV (%) | 9.3 | 11.0 | 10.4 |
| | | | LSD (5%) | 8.3 | 10.0 | 13.3 |
| | | | | | | 108.2 |
| | | | | | | 11.1 |
| | | | | | | 19.7 |

*Experimental Line

[†]Yield average for 2013 and 2012

^{††}Yield average for 2013, 2012, and 2011

[§]Yield average for 2013, 2012, 2011, and 2010

No Test Weights were available at time of publication



2013 Uniform Oat Variety Trial - Lamar County

| 2-Year Rank | Variety | Source | Yield (bu/a) | |
|----------------|---------------------|------------------|---------------------|-------|
| | | | 2-Year [†] | 2013 |
| 1 | Horizon 201 | UF | 148.3 | 164.5 |
| 2 | TAMO 606 | TAMU | 138.9 | 161.3 |
| 3 | RAM 99016 | LSU | 138.9 | 162.2 |
| 4 | LA04004SBSB-7-B-S1* | LSU | 133.3 | 157.6 |
| 5 | Nora | UA | 133.2 | 153.4 |
| 6 | Coronado | TAMU | 132.5 | 148.4 |
| 7 | TAMO 411 | TAMU | 130.2 | 155.2 |
| 8 | Ozark | UA | 127.5 | 156.0 |
| 9 | LA9339 | LSU | 125.5 | 139.6 |
| 10 | Horizon 270 | UF | 125.1 | 145.7 |
| 11 | Harrison | LSU | 122.6 | 143.0 |
| 12 | TAMO 406 | TAMU | 121.2 | 142.0 |
| 13 | NF-27 | Noble Foundation | 116.9 | 124.9 |
| 14 | Bob | UA | 115.9 | 129.7 |
| 15 | Florida 501 | UF | 115.4 | 121.2 |
| 16 | Dallas | TAMU | 107.4 | 121.9 |
| 17 | HG 76-30 | East Texas Seed | 85.1 | 100.0 |
| 18 | Big Mac | McGregor M&G | 58.8 | 84.7 |
| 19 | TX09CS1112* | TAMU | - | 171.2 |
| 20 | FL0764-R4* | UF | - | 156.3 |
| 21 | LA07007SBSB-68* | LSU | - | 151.5 |
| 22 | TX09CS1029* | TAMU | - | 147.4 |
| 23 | LA05011GSBS-30* | LSU | - | 143.8 |
| 24 | TX09CS1056* | TAMU | - | 143.7 |
| 25 | LA06059SBSBSB-46* | LSU | - | 137.9 |
| 26 | LA06046SS-N2-Ab2* | LSU | - | 137.9 |
| 27 | TX07CS1948* | TAMU | - | 137.9 |
| 28 | TAMO 405 | TAMU | - | 130.6 |
| 29 | FL03254-L1* | UF | - | 129.3 |
| 30 | LA06063SBSBSB-13* | LSU | - | 122.7 |
| | | | Mean | 121.2 |
| | | | CV (%) | 9.9 |
| | | | LSD (5%) | 14.1 |
| | | | | 140.7 |
| | | | | 8.1 |
| | | | | 18.6 |

*Experimental Line

[†]Yield average for 2013 and 2012

No Test Weights were available at time of publication



2013 Uniform Oat Variety Trial - Prosper

| 3-Year Rank | Variety | Source | Yield (bu/a) | | |
|-------------|---------------------|------------------|----------------------|---------------------|-------|
| | | | 3-Year ^{††} | 2-Year [†] | 2013 |
| 1 | Horizon 201 | UF | 117.4 | 94.3 | 111.2 |
| 2 | TAMO 606 | TAMU | 111.8 | 97.1 | 93.7 |
| 3 | TAMO 411 | TAMU | 111.6 | 98.7 | 105.7 |
| 4 | RAM 99016 | LSU | 110.9 | 100.5 | 111.8 |
| 5 | Harrison | LSU | 108.4 | 90.9 | 102.5 |
| 6 | Horizon 270 | UF | 108.1 | 95.6 | 93.2 |
| 7 | TAMO 406 | TAMU | 107.8 | 96.0 | 104.4 |
| 8 | LA9339 | LSU | 105.2 | 95.1 | 95.6 |
| 9 | TAMO 405 | TAMU | 103.3 | 92.2 | 98.7 |
| 10 | Dallas | TAMU | 102.4 | 94.7 | 99.2 |
| 11 | Ozark | UA | - | 99.3 | 93.7 |
| 12 | Nora | UA | - | 93.1 | 82.1 |
| 13 | Coronado | TAMU | - | 88.0 | 103.5 |
| 14 | Bob | UA | - | 83.1 | 94.4 |
| 15 | Florida 501 | UF | - | 82.2 | 87.1 |
| 16 | HG 76-30 | East Texas Seed | - | 81.5 | 76.6 |
| 17 | Big Mac | McGregor M&G | - | 67.9 | 91.1 |
| 18 | TX09CS1112* | TAMU | - | - | 119.4 |
| 19 | LA07007SBSB-68* | LSU | - | - | 107.1 |
| 20 | TX09CS1029* | TAMU | - | - | 107.0 |
| 21 | TX09CS1056* | TAMU | - | - | 106.5 |
| 22 | LA06059SBSBSB-46* | LSU | - | - | 105.7 |
| 23 | LA06046SS-N2-Ab2* | LSU | - | - | 100.3 |
| 24 | LA04004SBSB-7-B-S1* | LSU | - | - | 99.8 |
| 25 | TX07CS1948* | TAMU | - | - | 99.7 |
| 26 | LA05011GSBS-30* | LSU | - | - | 98.6 |
| 27 | FL0764-R4* | UF | - | - | 98.1 |
| 28 | FL03254-L1* | UF | - | - | 94.7 |
| 29 | LA06063SBSBSB-13* | LSU | - | - | 91.9 |
| 30 | NF-27 | Noble Foundation | - | - | 86.0 |
| | | | Mean | 108.7 | 91.4 |
| | | | CV (%) | 8.9 | 12.2 |
| | | | LSD (5%) | 9.1 | 12.8 |
| | | | | | 20.2 |

*Experimental Line

[†]Yield average for 2013 and 2012

^{††}Yield average for 2013, 2012, and 2011

No Test Weights were available at time of publication

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