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2013

Texas Oat Variety Trial Results

Texas A&M AgriLife Extension

Texas A&M AgriLife Research

2013
Texas Oat Variety Trials
varietytesting.tamu.edu/wheat

Texas A&M AgriLife Extension Service

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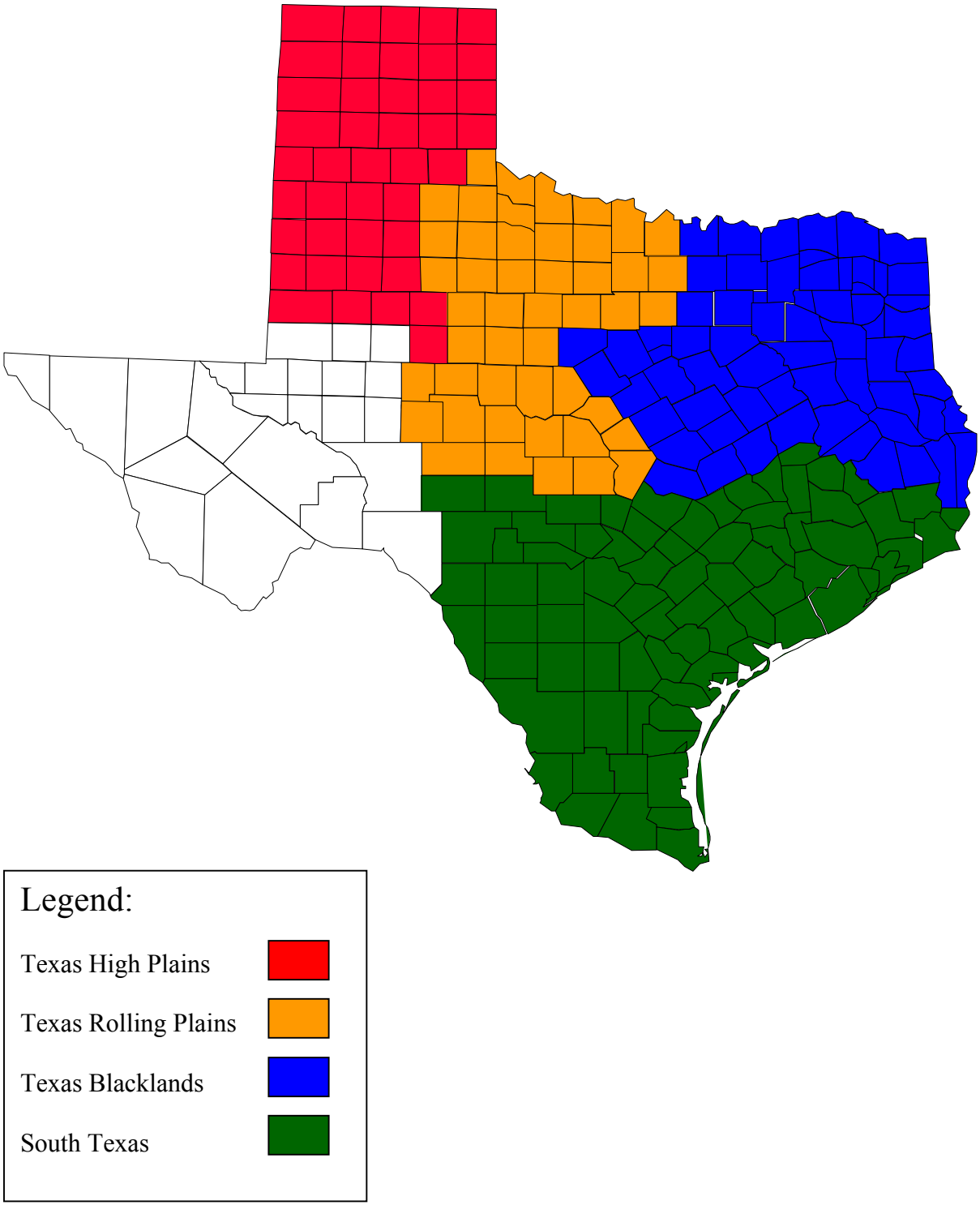
Texas Small Grains Regional Map



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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 20^{th} 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.

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2013 Variety Characteristics[1]

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

[1]S - 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

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2013 Uniform Oat Variety Trials - State Wide Yields

2013 State Wide Rank	Variety	Source	2013 Yield State Wide Average (bu/a)	2013 Yield (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

[a]Trials 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.

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2013 Uniform Oat Variety Trial - Brady

4-Year Rank	Variety	Source	Yield (bu/a) 4-Year§	3-Year††	2-Year †	2013	Test Wt. (lb/bu) 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

[a]Trials 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.

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2013 Uniform Oat Variety Trial - Chillicothe

4-Year Rank	Variety	Source	Yield (bu/a) 4-Year§	3-Year††	2-Year †	2013	Test Wt. (lb/bu) 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**	**31.8**
		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

TEXAS A&M AGRILIFE RESEARCH | EXTENSION

2013 Uniform Oat Variety Trial - College Station

3-Year Rank	Variety	Source	Yield (bu/a) 3-Year††	2-Year †	2013	Test Wt. (lb/bu) 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**	**26.7**
		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

[a]Trials 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.

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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**	**108.2**
		CV (%)	**9.3**	**11.0**	**10.4**	**11.1**
		LSD (5%)	**8.3**	**10.0**	**13.3**	**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

TEXAS A&M AGRILIFE RESEARCH | EXTENSION

2013 Uniform Oat Variety Trial - Lamar County

2-Year Rank	Variety	Source	Yield (bu/a) 2-Year †	Yield (bu/a) 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**	**140.7**
		CV (%)	**9.9**	**8.1**
		LSD (5%)	**14.1**	**18.6**

*Experimental Line

†Yield average for 2013 and 2012

No Test Weights were available at time of publication

TEXAS A&M AGRILIFE RESEARCH | EXTENSION

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**	**98.5**
		CV (%)	**8.9**	**12.2**	**12.5**
		LSD (5%)	**9.1**	**12.8**	**20.2**

*Experimental Line

†Yield average for 2013 and 2012

††Yield average for 2013, 2012, and 2011

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