

## 2010 Wheat Variety Trials Conducted in the Texas And New Mexico High Plains *Brent Bean*<sup>1</sup>

### ***2009-2010 Wheat Crop in Review***

What a difference a year can make! Last year conditions were dry and Russian wheat aphid played a major role in reducing yields. This year the fall was relatively dry, but very good moisture during the winter and spring led to above average dryland yields in most areas of the High Plains. The incidence of the virus disease complex of wheat streak mosaic, triticum mosaic and High Plains disease was low with only a few of the submitted samples testing positive at the Texas AgriLife Extension diagnostic lab in Amarillo. Leaf and stripe rust were a concern with severe infections in the Rolling Plains and Central Texas. Fortunately, in the High Plains at flag leaf emergence, the weather conditions were warm and dry enough that infection rates were low with only a few fields needing to be sprayed with a fungicide. Some rust was present after heading, but late infections have little effect on yield. The surprise problem this year was wide spread barley yellow dwarf (BYD) infection. BYD is present every year, but not to this extent. BYD is transmitted by aphids. These could be greenbug, Russian wheat aphid or bird cherry-oat aphid. The presence of aphids in most fields never came close to reaching economic thresholds that would justify spraying. However, apparently there were enough aphids present to infect numerous wheat fields throughout the region. Symptoms of BYD were not expressed until late in the spring, and likely did not affect yield as much as what occurs with earlier infections.



**Barley Yellow Dwarf Infection**

### ***Wheat Protein***

Although wheat yields were good, the price at the elevator was not. This was compounded in many areas of the state where elevators were discounting and sometimes rejecting wheat due to low protein. Fortunately this was not much of a problem for most of the High Plains region. Percent protein in wheat grain is directly related to how much nitrogen is available to the wheat crop during grain fill. Usually we see low protein wheat when yields are better than expected, and the producer did not adequately fertilize or rains leached the nitrogen below the root zone of the wheat plant. There can be small differences in varieties in percent protein, and for this reason we collected protein data this year at several of our variety trial locations. The negative correlation of percent grain protein and yield was very apparent when yield rankings of the varieties were compared to variety grain protein (Tables 1, 2, and 3). Highest yielding varieties consistently had the lowest percent grain protein while the lowest yielding varieties had the highest level of grain protein. This generally indicates that nitrogen was limiting and does not reflect the genetic potential for protein content.

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## Variety Trial Results and Recommendations

### Irrigated Trials

Variety trials were planted and harvested at five locations around the Texas Panhandle and at the New Mexico State University station near Clovis (Table 1). Average yield ranged from a high of 97 bu/acre at the Clovis site to a low of 53 bu/acre at Tulia. Varieties that yielded in the top 25% in at least 3 of the five locations were *TAM 111* (TAMU), *Billings* (OSU), *TAM 304* (TAMU), *TAM 112* (TAMU), *Greer* (AgriPro), *TAM 203* (TAMU), *Bill Brown* (CSU), and the experimental variety *OK05511* (OSU). Other top yielding varieties of note were *Duster* (OSU), *Armour* (Westbred) and *Hatcher* (CSU). Most of these varieties were also in the top 25% in last year's irrigated trials. Newcomers to the list were *TAM 304*, *TAM 112*, *OK05511* and *Armour*. It was not surprising to see *TAM 304* and *TAM 112* yield well under irrigation based on their performance in previous years in both irrigated and dryland trials. This was the second year for *Bill Brown*, *Armour* and the first year for the *OK05511* experimental in our trials. All three of these will need to be watched in next year's results.

### Dryland Trials

Dryland yields were good at all locations ranging from an average of 63 bu/acre at Clovis to 31 bu/acre at Hereford (Table 2). Varieties that yielded in the top 25% in at least 4 of the seven dryland locations were *Winterhawk* (Westbred), *Duster*, *Hatcher*, *TAM 111*, *OK05212* (OSU), *Endurance* (OSU), *OK05511*, and *Billings*. *Winterhawk* had the top yield when averaged across all locations of 52.1 bu/acre. This is the first year for *Winterhawk* in our trials. It is resistant to stripe rust but susceptible to leaf and stem rust. Other notable varieties were *TAM 112* and *Jackpot* (AgriPro). *TAM 112* has been a top dryland variety for our area the past several years and continues to perform well. *Jackpot* was released in 2008 by AgriPro. In four years of testing *Jackpot* has been inconsistent, yielding well in 2008 and 2010 but only average in 2007 and 2009.

### Recommendations

Varieties are recommended after reviewing their performance at multiple locations over a minimum of three years. Emphasis is placed on the consistency of varieties yielding in the top 25%. For example, *TAM 111* has been in the top 25% of 18 of 24 dryland variety trials in the High Plains over the last five years. Its consistent high yield across a range of conditions easily qualifies it as a recommended variety for dryland production. Other varieties that are recommended for dryland are *TAM 112*, *Hatcher*, *Endurance* and *Duster*. All of the varieties recommended for dryland are also recommended under irrigation. *TAM 304* has excellent straw strength and is suggested for both limited and full irrigation. *TAM 112* is not recommended for full irrigation only because straw strength can become an issue under the right conditions. Two up and coming varieties that have performed well in the two years we have had them in our trials are *Bill Brown* and *Billings*. Both of these will be strongly considered for recommendation in 2011.

Variety Recommendations		
Full Irrigation	Limited Irrigation	Dryland
TAM 111	TAM 111	TAM 111
Hatcher	TAM 112	TAM 112
TAM 304	Hatcher	Hatcher
Endurance	TAM 304	Endurance
Duster	Endurance	Duster
	Duster	

### Other Comments

Yield data from previous years as well as variety descriptions and other information can be found at the following website under the agronomy link at: <http://amarillo.tamu.edu/programs>. Test weights at all locations are reported in tables 4 and 5.

### Acknowledgments

Funds for conducting these variety trials were partially provided for by the TEXAS WHEAT PRODUCERS BOARD through grower check-off funds.

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**Table 1. Irrigated Wheat Variety Trials Harvested in 2010 in the Texas and New Mexico High Plains.**

Brent Bean<sup>1,2</sup>, Jackie Rudd<sup>2</sup>, Ravindra Devkota<sup>2</sup>, Rex Kirksey<sup>3</sup>

Variety <sup>5</sup>	Company	AVG	Bushland	Etter	Tulia	Perryton	Clovis
		bu/Acre <sup>4</sup>					
TAM 111	TAMU	<b>79.9</b>	<b>88.1</b>	60.0	<b>62.3</b>	52.9	<b>118.1</b>
Billings	OSU	<b>79.8</b>	<b>90.6</b>	<b>63.1</b>	58.2	56.3	<b>114.9</b>
TAM 304	TAMU	<b>77.0</b>	<b>91.8</b>	61.4	<b>59.9</b>	<b>60.7</b>	100.3
TAM 112	TAMU	<b>76.8</b>	85.0	<b>64.3</b>	<b>58.8</b>	<b>58.2</b>	<b>105.3</b>
Duster	OSU	<b>76.3</b>	84.3	<b>63.9</b>	58.1	52.0	<b>107.2</b>
Armour	Westbred	<b>76.1</b>	<b>90.7</b>	61.4	58.4	<b>60.1</b>	99.1
Hatcher	CSU	<b>75.8</b>	83.2	<b>68.5</b>	52.9	55.7	<b>105.3</b>
Greer	ApriPro	<b>75.7</b>	<b>88.3</b>	61.3	<b>61.7</b>	<b>57.2</b>	97.6
TAM 203	TAMU	<b>75.7</b>	<b>86.7</b>	56.2	58.7	<b>60.3</b>	<b>106.2</b>
Bill Brown	CSU	<b>75.0</b>	<b>87.2</b>	<b>63.9</b>	50.2	45.0	<b>108.5</b>
Winterhawk	Westbred	74.2	82.1	62.0	51.8	55.5	<b>107.3</b>
TX06A001263	TAMU	73.9	<b>85.5</b>	61.2	<b>60.5</b>	56.3	94.0
OK05212	OSU	73.7	<b>85.5</b>	60.3	57.4	54.1	98.2
SY Gold	ApriPro	73.7	78.2	<b>68.3</b>	53.8	49.0	102.6
OK05511	OSU	72.7	76.9	<b>63.1</b>	<b>59.4</b>	<b>58.1</b>	96.2
Jagalene	ApriPro	72.5	74.2	60.5	<b>60.8</b>	44.7	<b>103.8</b>
Fuller	KSU	72.4	83.0	62.0	51.9	51.9	99.6
Art	ApriPro	72.3	78.6	57.1	54.6	53.9	<b>105.0</b>
Mace	Nebraska	72.2	80.3	<b>62.2</b>	53.3	<b>58.3</b>	97.5
TX05A001822	TAMU	71.8	81.1	<b>63.2</b>	<b>59.3</b>	45.3	92.4
Jackpot	ApriPro	70.9	80.5	60.0	<b>60.5</b>	57.0	87.3
Dumas	ApriPro	70.8	82.1	57.8	<b>62.1</b>	52.7	87.2
Endurance	OSU	70.5	80.6	60.4	52.7	53.9	93.9
TX02A0252	TAMU	70.4	<b>86.0</b>	59.4	45.3	53.7	96.3
Doans	ApriPro	69.7	77.7	53.2	55.1	<b>64.8</b>	94.6
Santa Fe	Westbred	69.3	80.0	52.6	57.7	48.6	93.9
T197	Trio	69.2	75.7	58.3	52.0	52.5	96.4
Shocker	Westbred	68.5	78.6	56.5	58.4	<b>57.3</b>	84.2
AP503CL	ApriPro	68.3	78.9	60.0	39.4	48.4	101.6
TAM W-101	TAMU	68.1	76.3	58.5	52.1	50.5	91.4
T136	Trio	67.9	76.9	58.1	47.3	50.3	95.2
OK05526	OSU	67.7	78.0	57.4	53.1	<b>57.0</b>	85.9
T81	Trio	66.9	75.4	55.7	50.7	48.6	92.1
AP06T3621	ApriPro	66.8	71.0	59.1	55.3	41.7	90.2
Jagger	KSU	66.5	74.7	60.4	49.7	44.1	88.7
TAM 401 (BL)	TAMU	66.5	72.3	60.6	56.0	48.3	83.1
Bullet	OSU	66.2	69.6	<b>63.9</b>	46.1	48.3	91.4
CJ	ApriPro	65.6	70.1	55.7	57.1	55.6	82.7
Fannin	ApriPro	62.7	68.8	58.6	52.0	54.7	74.3
Pete (BL)	OSU	61.3	72.3	51.6	35.9	39.2	92.8
Mean			<b>80.2</b>	<b>60.0</b>	<b>54.5</b>	<b>52.8</b>	<b>96.6</b>
CV (%)			<b>4.7</b>	<b>7.2</b>	<b>11.6</b>	<b>8.3</b>	<b>4.6</b>
LSD (5%)			<b>6.2</b>	<b>7.1</b>	<b>10.3</b>	<b>7.1</b>	<b>7.2</b>

<sup>1</sup> Texas AgriLife Extension, <sup>2</sup> Texas AgriLife Research, <sup>3</sup> New Mexico State, Clovis

<sup>4</sup> Bold numbers indicate top 25% yield by location. <sup>5</sup> BL=beardless

**Table 2. Dryland Wheat Variety Trials Harvested in 2010 in the Texas and New Mexico High Plains.**

Brent Bean<sup>1,2</sup>, Jackie Rudd<sup>2</sup>, Ravindra Devkota<sup>2</sup>, Rex Kirksey<sup>3</sup>

Variety <sup>5</sup>	Company	AVG	Bushland	Etter	Groom	Hereford	Canadian	Perryton	Clovis
		bu/Acre <sup>4</sup>							
Winterhawk	Westbred	<b>52.1</b>	<b>39.2</b>	48.6	<b>61.8</b>	33.2	<b>56.1</b>	<b>53.4</b>	<b>73.3</b>
Duster	OSU	<b>49.8</b>	<b>42.1</b>	45.4	<b>56.9</b>	32.1	<b>47.7</b>	<b>55.6</b>	<b>72.4</b>
Hatcher	CSU	<b>49.4</b>	34.5	<b>50.2</b>	53.1	<b>46.0</b>	38.2	<b>58.3</b>	<b>71.4</b>
SY Gold	AgriPro	<b>48.2</b>	38.6	48.1	<b>55.0</b>	27.5	<b>51.6</b>	45.1	<b>69.8</b>
TAM 111	TAMU	<b>48.1</b>	36.2	<b>51.0</b>	<b>53.7</b>	<b>34.2</b>	39.2	<b>54.9</b>	<b>71.9</b>
OK05212	OSU	<b>47.9</b>	<b>40.6</b>	<b>50.2</b>	<b>59.8</b>	25.9	<b>42.4</b>	<b>53.6</b>	66.5
Endurance	OSU	<b>47.8</b>	<b>39.6</b>	44.9	<b>55.5</b>	31.9	<b>45.6</b>	50.9	68.1
TAM 112	TAMU	<b>47.7</b>	<b>40.0</b>	45.2	50.9	<b>36.6</b>	39.5	51.8	<b>72.6</b>
OK05511	OSU	<b>47.6</b>	37.8	<b>54.3</b>	<b>53.8</b>	29.5	<b>41.0</b>	<b>53.4</b>	67.4
Billings	OSU	<b>47.6</b>	<b>40.0</b>	47.7	<b>61.2</b>	<b>36.5</b>	32.6	<b>56.1</b>	64.6
TAM 304	TAMU	47.1	<b>40.4</b>	45.6	50.5	32.2	40.9	<b>54.2</b>	<b>70.5</b>
Bill Brown	CSU	46.8	34.8	40.7	52.0	<b>44.0</b>	32.3	51.6	<b>75.6</b>
TX02A0252	TAMU	46.7	36.3	44.5	48.4	<b>34.0</b>	<b>43.0</b>	50.7	<b>72.6</b>
TX06A001263	TAMU	46.1	38.0	45.1	48.2	<b>43.3</b>	36.7	53.3	62.6
Armour	Westbred	45.5	36.5	<b>53.5</b>	45.0	32.2	37.8	<b>54.9</b>	64.6
OK05526	OSU	45.4	<b>43.0</b>	<b>50.0</b>	<b>54.5</b>	27.5	39.8	50.6	55.9
T197	Trio	44.8	35.0	<b>50.2</b>	49.4	30.0	40.4	50.1	62.3
TAM 203	TAMU	44.7	35.0	45.1	49.0	30.0	39.8	50.5	67.3
Greer	AgriPro	44.6	33.2	47.0	50.0	24.5	<b>43.7</b>	51.2	66.9
CJ	AgriPro	44.0	<b>43.4</b>	47.5	<b>55.2</b>	25.0	37.8	48.0	53.6
Fuller	KSU	43.9	33.1	47.4	47.2	26.6	38.4	50.1	<b>68.4</b>
TX05A001822	TAMU	43.7	37.1	43.3	44.2	23.4	<b>51.4</b>	45.2	62.5
Jackpot	AgriPro	43.1	<b>42.1</b>	<b>52.9</b>	44.9	<b>33.3</b>	31.5	48.9	52.1
Mace	Nebraska	42.4	26.4	47.5	39.8	<b>41.1</b>	35.5	<b>55.3</b>	59.8
TAM W-101	TAMU	42.3	33.5	42.3	42.3	30.0	<b>48.4</b>	48.2	55.2
Dumas	AgriPro	42.1	36.2	40.5	49.5	32.2	34.3	51.2	56.7
Santa Fe	Westbred	42.0	36.7	<b>49.5</b>	43.6	26.6	32.8	48.7	60.5
T81	Trio	41.6	33.4	<b>49.1</b>	39.2	30.2	36.8	44.0	60.3
T136	Trio	41.3	34.5	44.3	44.4	27.2	34.8	45.0	61.6
AP503CL	AgriPro	41.1	35.7	32.9	40.3	30.6	37.9	44.7	68.3
Jagalene	AgriPro	41.1	37.8	43.9	35.8	29.5	35.9	41.5	63.4
AP06T3621	AgriPro	40.9	33.2	44.5	39.4	<b>34.4</b>	31.3	40.8	63.0
Jagger	AgriPro	40.7	34.0	45.5	40.4	22.8	40.6	45.6	59.1
Doans	AgriPro	40.3	31.3	39.9	45.6	28.4	34.8	49.1	59.1
Bullet	OSU	39.9	30.2	46.1	38.9	28.6	37.3	44.0	57.2
Pete (BL)	OSU	39.6	35.8	37.0	42.9	25.5	35.8	46.6	58.5
Shocker	Westbred	39.3	33.1	48.2	34.7	29.9	37.9	48.2	48.8
Fannin	AgriPro	39.0	31.0	42.6	43.0	29.9	37.1	45.2	48.3
Art	AgriPro	38.1	33.3	32.2	42.8	30.9	32.2	44.3	55.5
TAM 401 (BL)	TAMU	37.3	30.8	45.1	40.8	25.8	28.3	42.2	51.5
Mean			<b>36.1</b>	<b>45.8</b>	<b>47.6</b>	<b>31.1</b>	<b>39.0</b>	<b>49.4</b>	<b>63.0</b>
CV (%)			<b>5.9</b>	<b>9.9</b>	<b>11.8</b>	<b>18.2</b>	<b>19.7</b>	<b>4.2</b>	<b>5.4</b>
LSD (5%)			<b>3.5</b>	<b>7.4</b>	<b>9.1</b>	<b>9.2</b>	<b>12.5</b>	<b>3.4</b>	<b>5.5</b>

<sup>1</sup> Texas AgriLife Extension, <sup>2</sup> Texas AgriLife Research, <sup>3</sup> New Mexico State, Clovis

<sup>4</sup> Bold numbers indicate top 25% yield by location. <sup>5</sup> BL=beardless

**Table 3. Grain Protein from 2010 Selected Wheat Variety Trials Harvested in the Texas High Plains.**

Brent Bean<sup>1,2</sup>, Jacob Becker<sup>2</sup>, Ben Crutchfield<sup>3</sup>

Variety	AVG	Tulia	Groom	Hereford	Canadian
	<i>% Grain Protein at approx. 12% moisture<sup>3</sup></i>				
Art	<b>14.7</b>	11.9	<b>15.6</b>	<b>15.7</b>	<b>15.7</b>
Shocker	<b>14.5</b>	<b>12.9</b>	<b>14.8</b>	<b>16.0</b>	<b>14.4</b>
Jagger	<b>14.5</b>	<b>12.4</b>	<b>15.1</b>	<b>15.9</b>	<b>14.7</b>
TAM W-101	<b>14.5</b>	<b>12.9</b>	<b>14.7</b>	<b>15.8</b>	<b>14.6</b>
TAM 203	<b>14.4</b>	12.1	<b>15.1</b>	<b>15.6</b>	<b>14.8</b>
Santa Fe	<b>14.4</b>	<b>12.3</b>	<b>14.9</b>	<b>15.9</b>	<b>14.5</b>
TAM 401	<b>14.3</b>	11.7	<b>14.9</b>	<b>15.8</b>	<b>14.7</b>
Fannin	<b>14.2</b>	<b>12.4</b>	14.5	<b>15.6</b>	<b>14.4</b>
OK05526	<b>14.1</b>	<b>12.8</b>	14.1	15.4	<b>14.2</b>
OK05212	<b>14.0</b>	12.1	14.2	<b>15.5</b>	<b>14.4</b>
T81	14.0	<b>12.3</b>	14.3	15.4	13.8
Billings	13.9	12.1	<b>14.7</b>	14.6	14.2
Fuller	13.9	11.8	<b>14.7</b>	<b>15.5</b>	13.7
T197	13.9	<b>12.4</b>	14.0	15.0	14.1
Bullet	13.8	11.8	14.3	15.0	14.0
Armour	13.8	11.5	14.5	15.2	13.9
Greer	13.8	<b>12.3</b>	14.3	14.6	13.9
TX05A001822	13.7	11.6	13.9	15.1	14.0
Mace	13.7	11.2	<b>15.4</b>	14.3	13.8
Doans	13.6	12.1	14.0	14.7	13.8
AP503CL	13.6	<b>12.3</b>	14.4	14.5	13.4
AP06T3621	13.5	11.5	14.1	14.7	13.8
TAM 112	13.5	11.6	13.9	15.0	13.5
TX06A001263	13.5	11.4	14.2	14.8	13.6
TAM 304	13.5	11.4	14.5	14.6	13.5
SY Gold	13.5	11.5	14.2	14.8	13.5
Pete	13.4	12.2	13.6	14.3	13.5
Jagalene	13.4	11.4	14.1	14.9	13.0
Jackpot	13.3	11.8	13.7	14.8	13.0
T136	13.3	11.7	14.0	14.7	12.7
CJ	13.3	11.4	13.4	14.7	13.6
Dumas	13.2	11.4	13.9	14.1	13.5
TAM 111	13.2	11.1	14.0	14.1	13.7
Duster	13.1	11.2	13.8	14.2	13.3
OK05511	13.0	11.6	13.0	14.5	13.0
TX02A0252	13.0	11.7	13.8	13.4	12.9
Bill Brown	12.9	10.5	14.2	13.3	13.5
Hatcher	12.8	11.2	13.6	13.4	13.1
Winterhawk	12.7	10.5	13.1	14.3	13.1
Endurance	12.6	10.7	13.2	13.3	13.1

<sup>1</sup> Texas AgriLife Extension Service.

<sup>2</sup> Texas AgriLife Research Student Workers.

<sup>3</sup> Bold numbers represent highest 25 % grain protein.

**Table 4. Test Weights in Irrigated Wheat Variety Trials Harvested in 2010 in the Texas and New Mexico High Plains.**

Brent Bean<sup>1,2</sup>, Jackie Rudd<sup>2</sup>, Ravindra Devkota<sup>2</sup>, Rex Kirksey<sup>3</sup>

Variety <sup>4</sup>	Company	AVG	Bushland	Etter	Tulia	Clovis
		lb/Bu				
SY Gold	ApriPro	59.4	60.8	58.0	57.9	61.0
AP06T3621	ApriPro	58.6	61.1	57.3	57.6	58.6
AP503CL	ApriPro	59.8	62.4	58.7	57.4	60.6
Armour	Westbred	58.5	61.0	57.3	56.7	58.9
Art	ApriPro	59.3	61.9	57.5	58.3	59.6
Bill Brown	CSU	59.5	62.6	58.4	58.8	58.3
Billings	OSU	60.6	62.7	58.3	60.0	61.4
Bullet	OSU	60.5	62.3	59.2	58.8	61.8
CJ	ApriPro	59.7	62.3	58.7	59.3	58.7
Doans	ApriPro	60.3	62.6	58.6	60.0	60.0
Dumas	ApriPro	60.4	63.0	58.9	60.4	59.1
Duster	OSU	59.9	62.5	58.9	58.6	59.7
Endurance	OSU	58.7	61.9	58.3	56.0	58.5
Fannin	ApriPro	59.8	62.1	58.7	59.0	59.2
Fuller	KSU	59.7	62.1	58.2	58.8	59.5
Greer	ApriPro	57.3	59.8	56.1	56.4	56.9
Hatcher	CSU	59.6	62.7	58.8	58.8	58.1
Jackpot	ApriPro	59.5	62.5	58.6	58.8	58.1
Jagalene	ApriPro	59.8	62.8	59.3	57.6	59.5
Jagger	KSU	58.8	60.6	58.1	56.7	59.6
Mace	Nebraska	57.7	60.8	56.1	56.7	57.3
OK05212	OSU	59.1	62.2	58.0	56.9	59.5
OK05511	OSU	59.0	62.1	58.8	55.0	60.1
OK05526	OSU	59.4	62.4	58.4	58.1	58.5
Pete (BL)	OSU	59.2	63.0	58.4	57.9	57.7
Santa Fe	Westbred	59.5	62.0	58.3	58.8	59.0
Shocker	Westbred	59.0	60.8	57.0	59.0	58.9
T136	Trio	58.6	61.6	57.3	57.4	58.3
T197	Trio	59.0	61.3	57.5	58.6	58.8
T81	Trio	59.8	62.7	58.9	57.6	60.0
TAM 111	TAMU	60.4	62.7	58.2	58.6	62.2
TAM 112	TAMU	60.2	62.1	58.4	59.3	61.0
TAM 203	TAMU	56.8	60.4	55.3	56.0	55.6
TAM 304	TAMU	57.5	60.8	55.2	55.0	58.9
TAM 401 (BL)	TAMU	56.6	59.6	55.8	56.0	55.1
TAM W-101	TAMU	59.9	62.4	59.2	57.9	60.2
TX02A0252	TAMU	59.8	62.5	59.1	57.9	59.6
TX05A001822	TAMU	59.5	61.9	58.5	58.8	59.0
TX06A001263	TAMU	59.4	62.1	57.8	59.0	58.5
Winterhawk	Westbred	60.2	62.5	59.9	59.3	59.3

<sup>1</sup> Texas AgriLife Extension, <sup>2</sup> Texas AgriLife Research, <sup>3</sup> New Mexico State, Clovis

<sup>4</sup> BL=beardless

**Table 5. Test Weights in Dryland Wheat Variety Trials Harvested in 2010 in the Texas and New Mexico High Plains.**

Brent Bean<sup>1,2</sup>, Jackie Rudd<sup>2</sup>, Ravindra Devkota<sup>2</sup>, Rex Kirksey<sup>3</sup>

Variety <sup>4</sup>	Company	AVG	Bushland	Groom	Hereford	Canadian	Clovis
		lb/Bu					
SY Gold	ApriPro	58.4	56.9	55.5	59.3	57.6	58.9
AP06T3621	ApriPro	57.4	57.3	52.9	58.8	56.0	59.1
AP503CL	ApriPro	58.8	60.6	56.7	59.3	57.6	59.5
Armour	Westbred	57.6	56.5	56.2	58.4	56.4	58.2
Art	ApriPro	58.1	58.2	55.7	59.3	56.4	58.0
Bill Brown	CSU	59.0	58.2	56.9	61.5	58.6	59.1
Billings	OSU	59.4	58.0	57.6	60.4	57.1	59.5
Bullet	OSU	59.5	59.4	56.9	60.0	59.0	59.6
CJ	ApriPro	59.2	59.5	59.0	60.3	57.1	60.0
Doans	ApriPro	59.6	59.7	57.6	60.1	59.7	59.8
Dumas	ApriPro	59.2	57.8	58.1	60.2	58.6	58.2
Duster	OSU	58.6	58.9	57.4	59.1	58.1	57.3
Endurance	OSU	58.1	57.5	56.7	59.0	58.6	58.9
Fannin	ApriPro	59.0	60.2	56.9	59.5	59.7	58.1
Fuller	KSU	58.3	58.0	54.8	59.5	57.1	59.1
Greer	ApriPro	56.1	54.5	52.4	57.8	56.0	56.5
Hatcher	CSU	58.5	58.2	56.7	60.1	58.6	57.4
Jackpot	ApriPro	58.4	60.2	58.0	58.8	56.9	58.1
Jagalene	ApriPro	58.7	60.8	57.4	59.6	57.4	58.8
Jagger	KSU	57.3	56.9	53.8	57.8	56.7	58.4
Mace	Nebraska	57.2	57.7	54.8	58.6	56.9	58.0
OK05212	OSU	57.6	59.4	56.9	58.3	54.3	57.4
OK05511	OSU	58.5	58.7	57.9	59.3	58.8	58.8
OK05526	OSU	58.7	58.9	57.9	58.7	59.7	58.4
Pete (BL)	OSU	58.4	59.6	57.9	59.8	58.1	56.9
Santa Fe	Westbred	57.7	58.2	53.9	57.6	57.1	57.8
Shocker	Westbred	57.6	56.5	55.5	58.3	57.6	55.6
T136	Trio	57.8	57.5	54.3	59.0	58.6	58.2
T197	Trio	57.6	56.3	55.3	58.1	56.2	57.7
T81	Trio	58.9	58.5	56.2	60.1	58.3	59.8
TAM 111	TAMU	59.1	58.0	55.7	59.8	57.6	59.9
TAM 112	TAMU	59.3	58.2	56.2	60.0	59.5	59.3
TAM 203	TAMU	56.0	56.1	54.1	56.2	57.4	55.7
TAM 304	TAMU	57.0	56.7	54.8	58.0	56.2	58.3
TAM 401 (BL)	TAMU	55.2	55.7	52.7	56.6	54.8	54.3
TAM W-101	TAMU	58.3	58.7	54.8	58.4	58.8	57.8
TX02A0252	TAMU	59.0	60.3	56.9	59.8	57.6	60.7
TX05A001822	TAMU	59.1	58.7	57.4	60.3	59.7	58.6
TX06A001263	TAMU	58.3	58.9	56.7	59.0	57.4	58.2
Winterhawk	Westbred	59.8	59.2	57.8	60.7	60.7	60.0

<sup>1</sup> Texas AgriLife Extension, <sup>2</sup> Texas AgriLife Research, <sup>3</sup> New Mexico State, Clovis

<sup>4</sup> BL=beardless