



# Result Demonstration Report

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## 2005-2006 Wheat Variety Test

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Millersview, Texas  
Concho County  
Precinct 4

### Summary

Fourteen wheat varieties were planted by Millersview Community farmers on October 26, 2005 in Concho County (at Millersview, Texas). These varieties were raised using normal dryland wheat production practices. When reviewing the test results, producers should keep in mind that this is only one year's data. Year to year consistency should be a primary consideration in selecting varieties of wheat to be planted.

### Problem

Over 49,000 acres of wheat are planted annually in Concho County. The average dryland wheat yield for the county is 19.39 bushels per acre (1989-2000). Several new varieties of wheat become available each year and when combined with the varieties already available makes planting seed selection increasingly difficult. Producers need local data to help in selecting consistently high yielding adapted varieties.

### Objectives

Variety tests provide producers with the opportunity of comparing new varieties of wheat with varieties of wheat that have been successfully grown under varying weather conditions in Concho County. Utilization of new varieties, that are equal to or exceed currently available varieties, should increase production and income of county producers.

## Materials and Methods

Cooperating County Producers:	Millersview Community farmers
Location:	Millersview, Texas
Planting Date:	October 26, 2005
Seeding Rate:	80 pounds per acre
Drill Spacing:	8 inches
Soil Moisture Condition at Planting:	Adequate for germination
Fertilizer Applied:	133 pounds of 32-0-0 applied per acre on October 4, 2005
Herbicide Applied:	1/3 ounce of Amber applied per acre on October 18, 2005
Rainfall:	August 8.25 inches; September 3.90 inches; February 0.7 inch; March 4.30 inches; April 1.70 inches; and May 2.10 inches

## Results and Discussion:

Early in the growing season there was good soil moisture and temperatures that allowed for growth. Many producers in the area of the test plot received ten to twelve inches of rain in early August through late September. The lack of rainfall through most of the critical developmental stage from bloom through grain fill reduced the grain yields on this test plot. Rain totals from February through May totaled eight inches.

In each variety of wheat a hand harvested sample was collected on May 26, 2006 to determine yield. The grain yields from these samples are reported in Table 1 on the next page.

### Economic Analysis

The difference in yield between Dumas and Jagger was 14.29 bushels. The difference in gross income between the highest and lowest varieties was \$58.55 per acre using a selling price of \$4.10 per bushel. In this test, the higher income of the top yielding variety was significant enough to justify its selection over Jagger.

## Conclusions

Fourteen wheat varieties were planted by Millersview Community farmers on October 26, 2005 in Concho County (at Millersview, Texas). These varieties were raised using normal dryland wheat production practices. When reviewing the test results, producers should keep in mind that this is only one year's data. Year to year consistency should be a primary consideration in selecting varieties of wheat to be planted.

Table 1. Agronomic Data from Millersview Wheat Test (Concho Co., 2006)

Variety	Yield Per Acre (pounds)	Yield Per Acre (bushels)	Gross Return Per Acre (\$4.10/bu.)
Dumas	2285	38.09	156.15
Sturdy 2K	2153	35.89	147.14
Jagalene	2109	35.16	144.14
Longhorn	2087	34.79	142.64
Coronado	2065	34.42	141.14
WinMaster	2021	33.69	138.13
Cutter	1912	31.86	130.63
TAM 111	1890	31.49	129.13
Abilene Ag #1	1714	28.56	117.11
2158	1714	28.56	117.11
TAM 112	1626	27.10	111.11
Fannin	1604	26.73	109.61
Jagger	1428	23.80	97.60

### Acknowledgments

Sincere appreciation is expressed to the Millersview Community farmers for establishing and managing the dryland wheat variety test. Also, a word of thanks to all the seed companies that donated seed for the test plot.