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AN EVALUATION OF BELTWIDE COTTON GENETICS COTTON VARIETIES GROWN IN WEST TEXAS 2003

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Abstract

Three new picker type cotton varieties were introduced by Beltwide Cotton Genetics on the high Plains of Texas in 2003.

Introduction

The percent of acres being planted to picker-type cotton varieties are increasing on the high Plains of Texas. Growers are transitioning to picker-types due to the potential for higher yields and improved fiber quality versus historic "stripper-type" varieties. Beltwide Cotton Genetics cotton varieties are among the new picker-types being planted. Beltwide Cotton Genetics cotton varieties performed very well on the High Plains of Texas in 2003.

Materials and Methods

USDA planted cotton variety surveys from 2000 through 2003 were reviewed for both the Lubbock and Lamesa, Texas classing office service areas.

USDA cotton classing office cotton quality data for week and season ended December 4, 2003 were reviewed for both the Lubbock and Lamesa, Texas classing offices.

Beltwide Cotton Genetics customers (growers) were surveyed. 2003 Beltwide Cotton Genetics cotton variety USDA Class Recaps were obtained from all co-operating growers and evaluated.

Results

Planting Trends

The percent of acres being planted to picker type cotton varieties are increasing on the High Plains of Texas (Table 1). In 2002 the USDA planted variety survey conducted by the Lubbock, Texas classing office found that 7.68% of the acres in its service areas were planted to FiberMAX 958, a picker type cotton variety. By 2003 the survey found that 25.72% of the cotton acres were planted to three picker type cotton varieties.

The Lamesa, Texas classing office services counties including Gaines, and Dawson where picker type cotton varieties have been grown for some years now. USDA planted variety surveys conducted by the Lamesa classing office found that in 2000 17.69% of the acres in its service area were planted to seven picker type cotton varieties. In 2001 the percent of acres increased to 21.33%. By 2003 the survey revealed that 37.45% of the cotton acres were planted to five picker type cotton varieties.

BCG 24R

A new indeterminate picker type cotton was introduced by Beltwide Cotton Genetics in 2003 on the high Plains of Texas. The average yield over 2525 acres planted in four counties was 1,148 pounds per acre. The average staple was 33.8, average loan value, $0.5229 and gross value per acre was $655.75.Figures 1-4.

BCG 28R

A new Early-Medium picker type cotton was introduced by Beltwide Cotton Genetics in 2003 on the high Plains of Texas. The average yield over 4,212 acres planted in five counties was 1,228 pounds per acre. The average staple was 34.4, average loan value $0.5225 and gross value per acre was $673.07 Figures 5-8.

BCG 30R

A new Early-Medium picker type cotton was introduced by Beltwide Cotton Genetics in 2003 on the high Plains of Texas. The average yield over 2,074 acres planted in four counties was 1,286 pounds per acre. The average staple was 34.8, average loan value $0.5356 and gross value per acre was $714.46 Figures 9-12.

References

USDA Planted Variety Surveys 2000-2003.

Quality of Cotton Classed Under Smith-Doxey Act by Classing Offices, Week and Season Ended December 4, 2003.

Table 1. Percent of acres planted to picker type cotton varieties in the Lubbock and Lamesa, Texas cotton classing office service areas from 2000 through 2003.

Classing Office	2000	2001	2002	2003
Lubbock	0	0	7.68	25.72
Lamesa	17.69	21.33	8.20	37.45

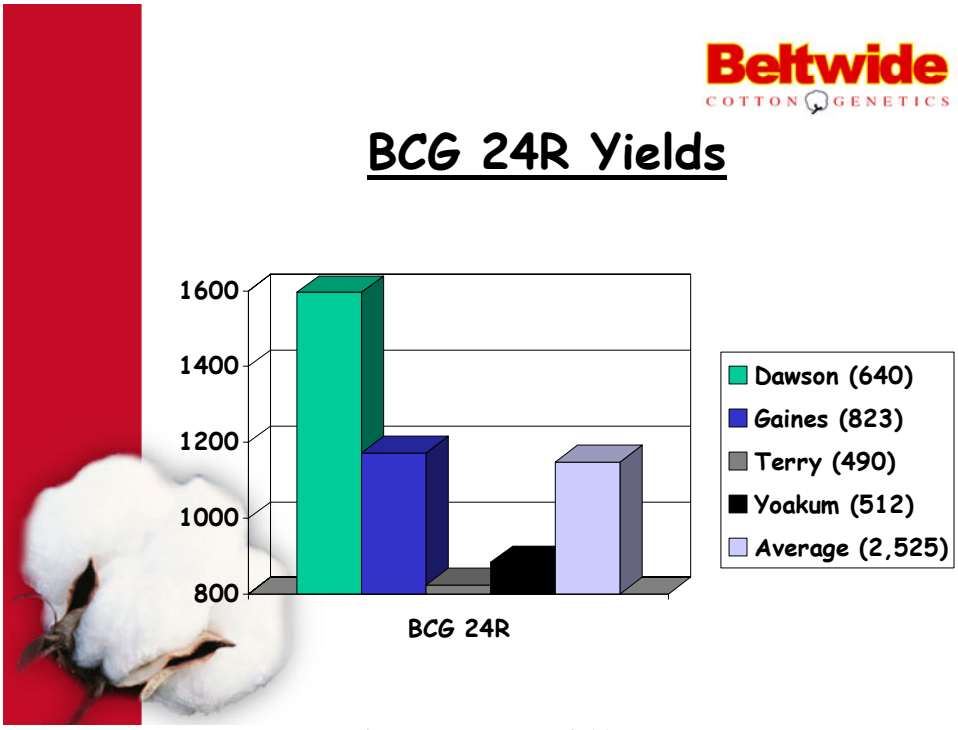

Figure 1. Average yield.

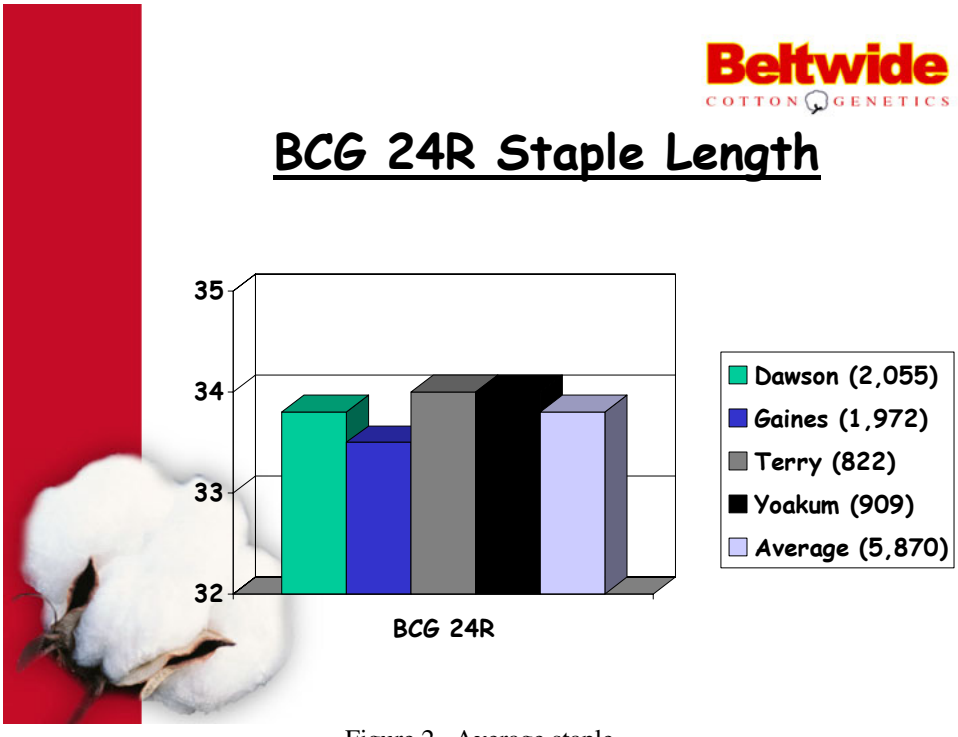

Figure 2. Average staple.

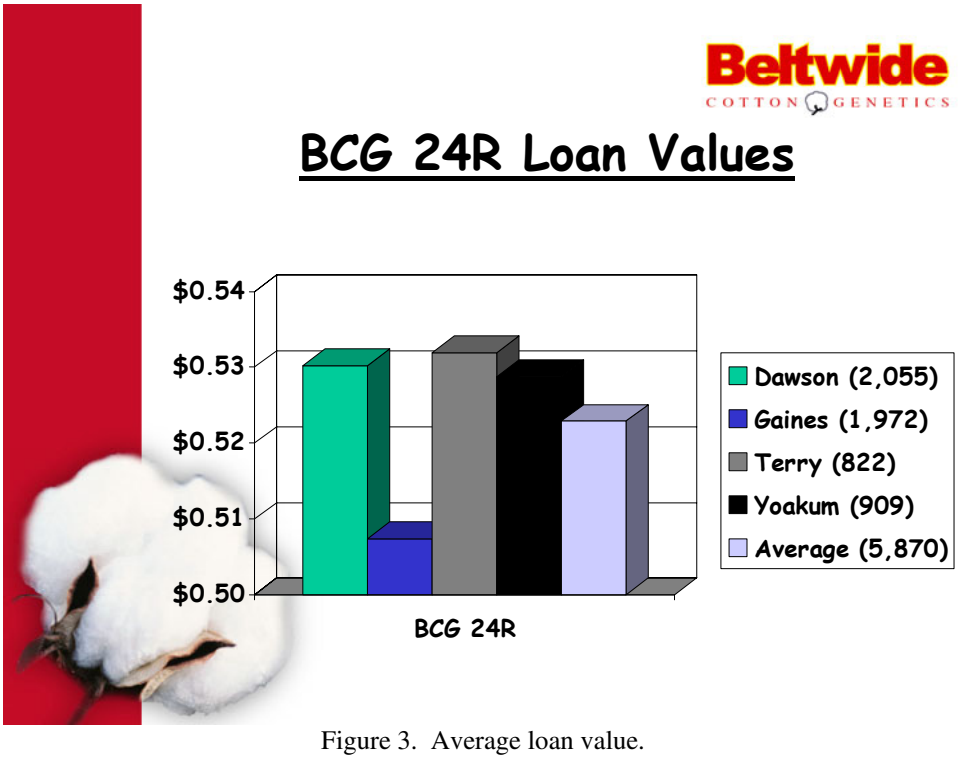

Figure 3. Average loan value.

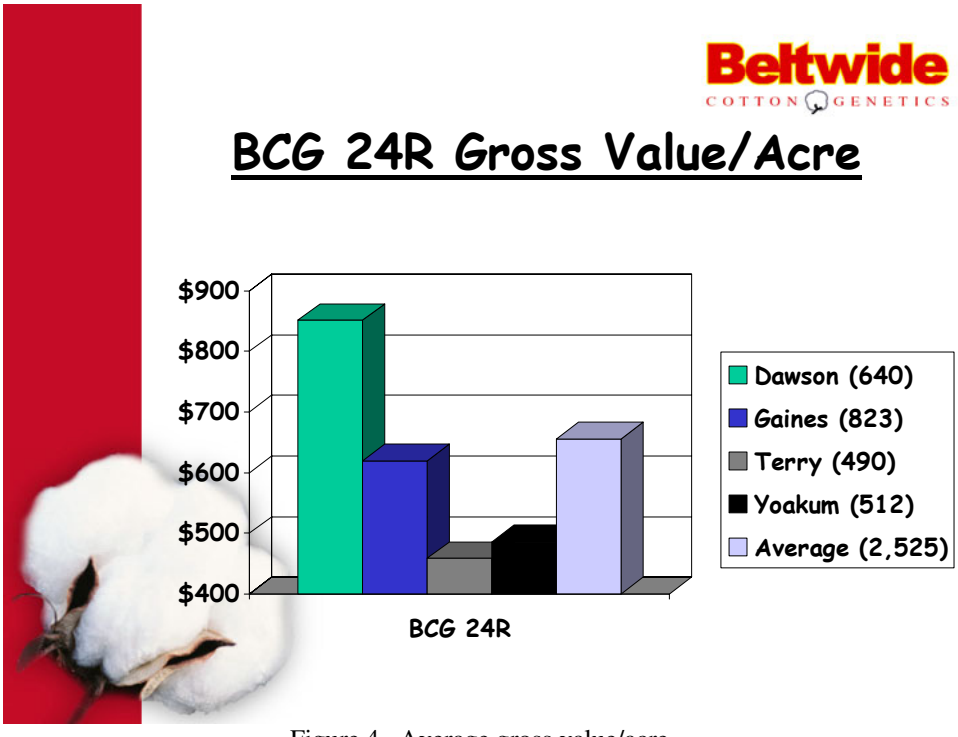

Figure 4. Average gross value/acre.

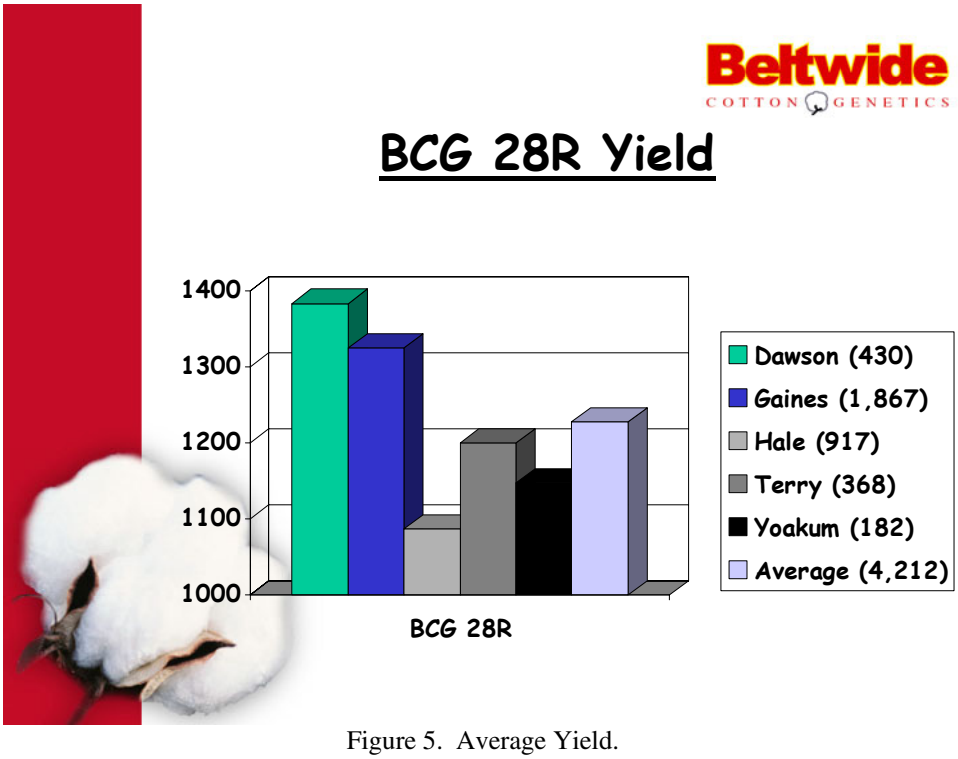

Figure 5. Average Yield.

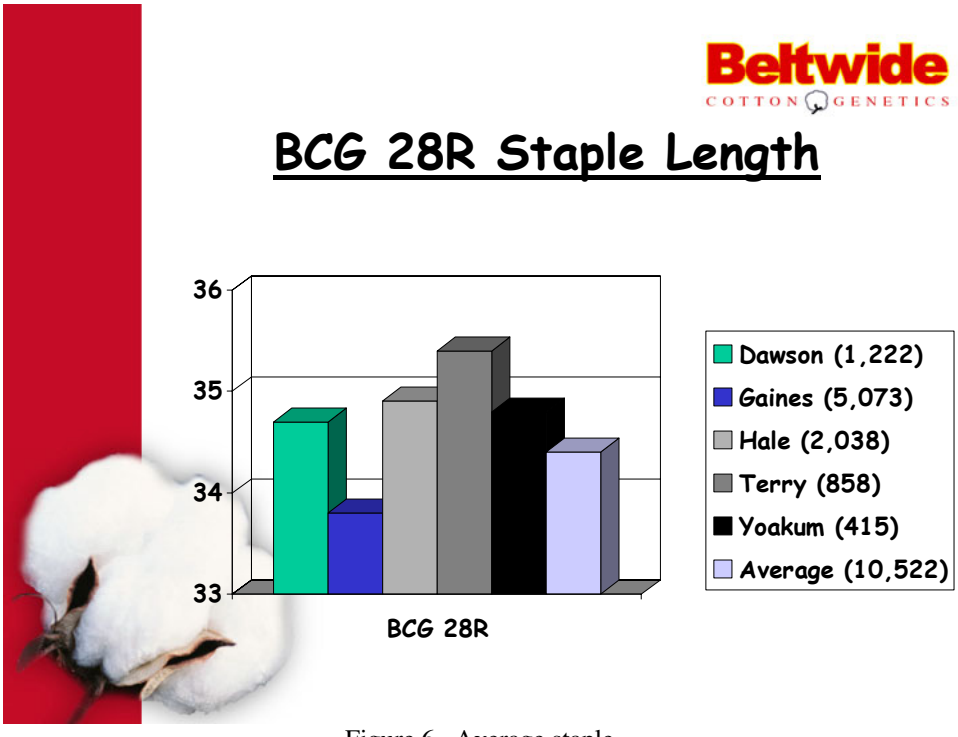

Figure 6. Average staple.

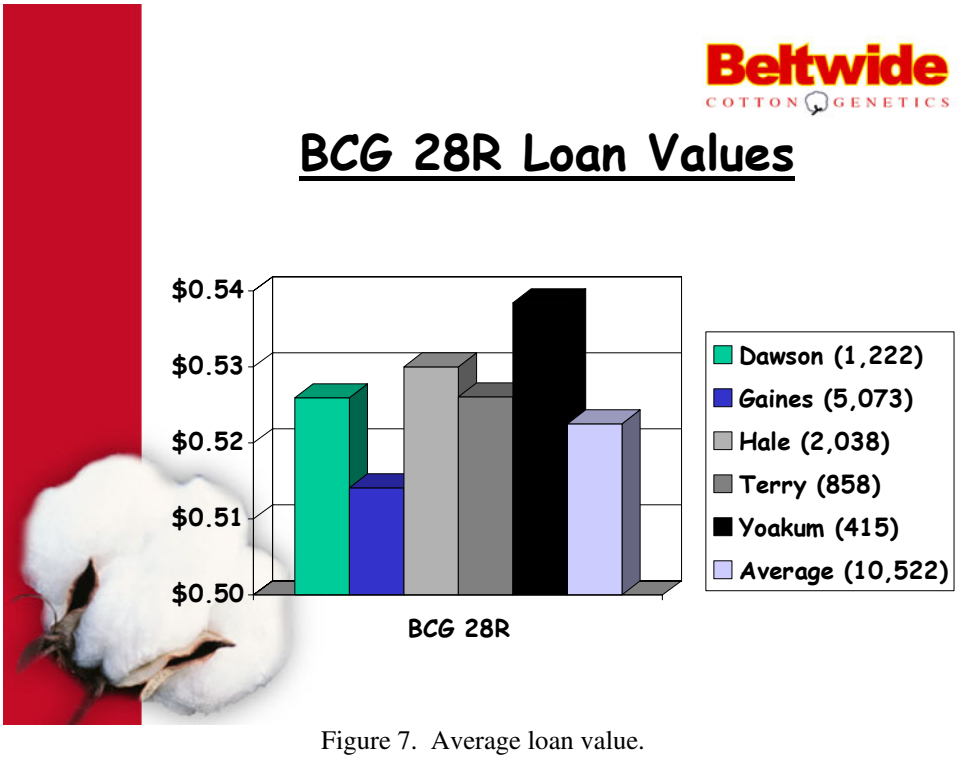

Figure 7. Average loan value.

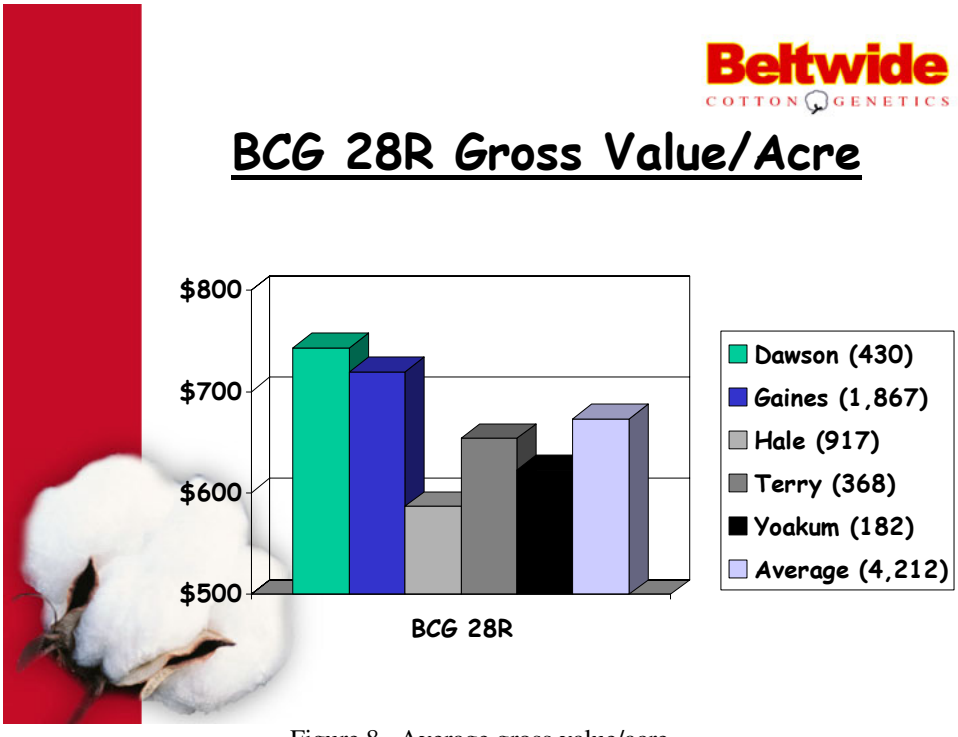

Figure 8. Average gross value/acre.

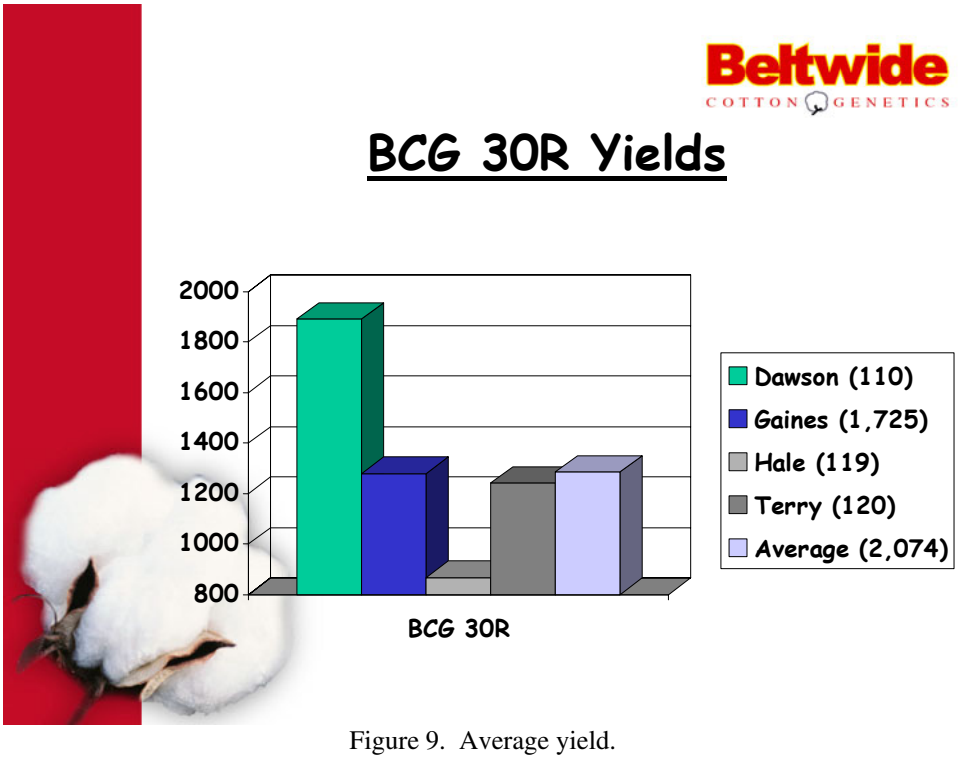

Figure 9. Average yield.

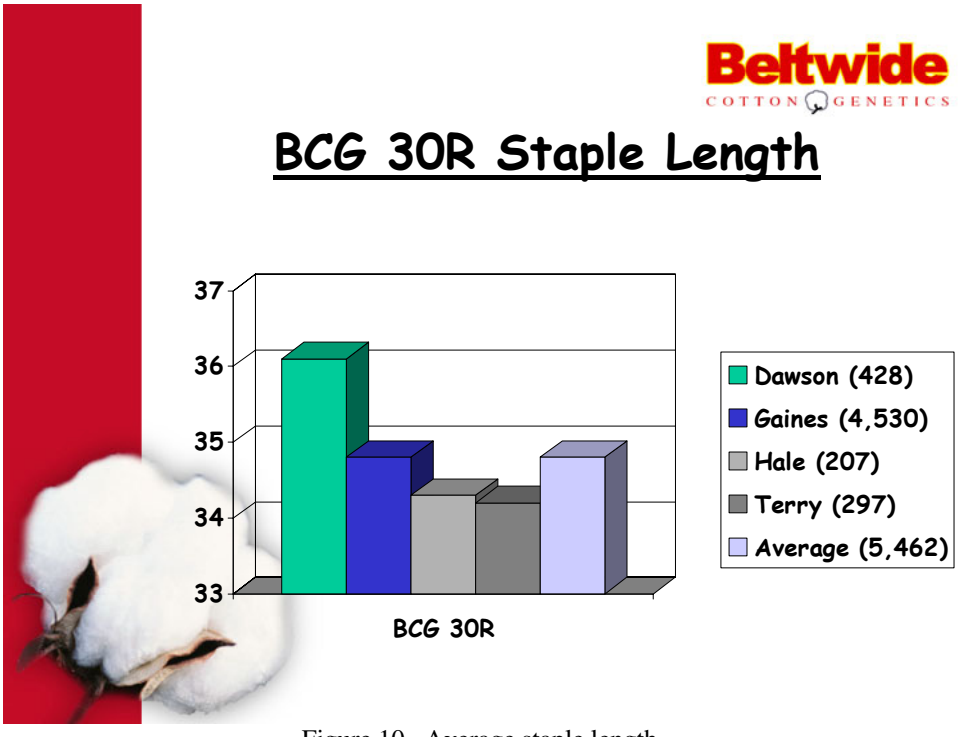

Figure 10. Average staple length.

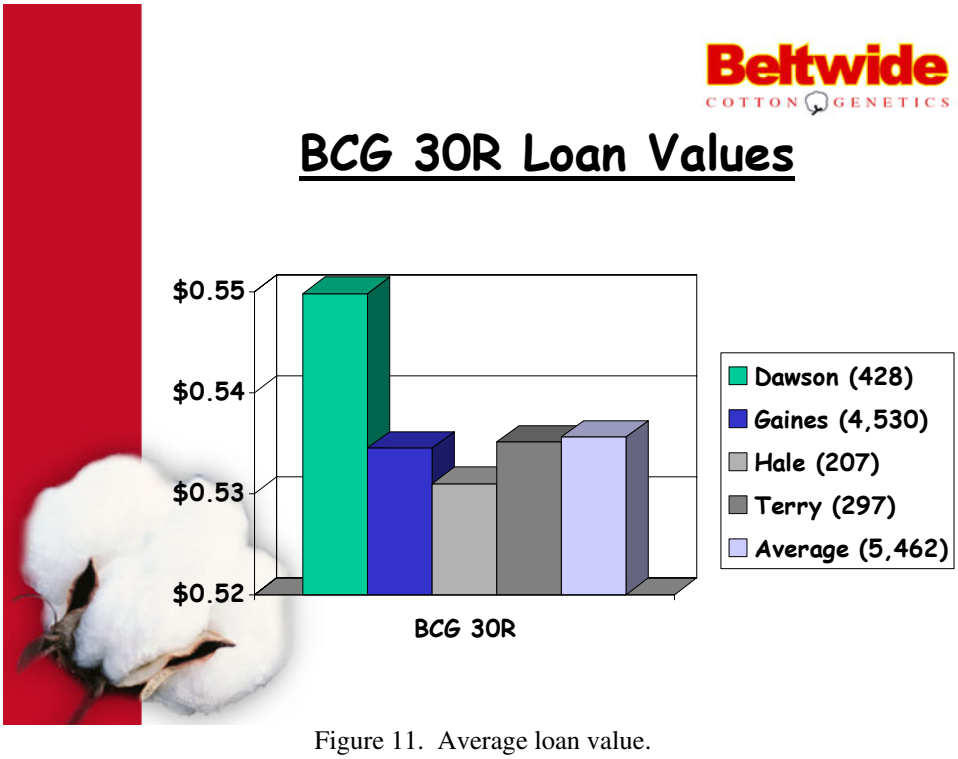

Figure 11. Average loan value.

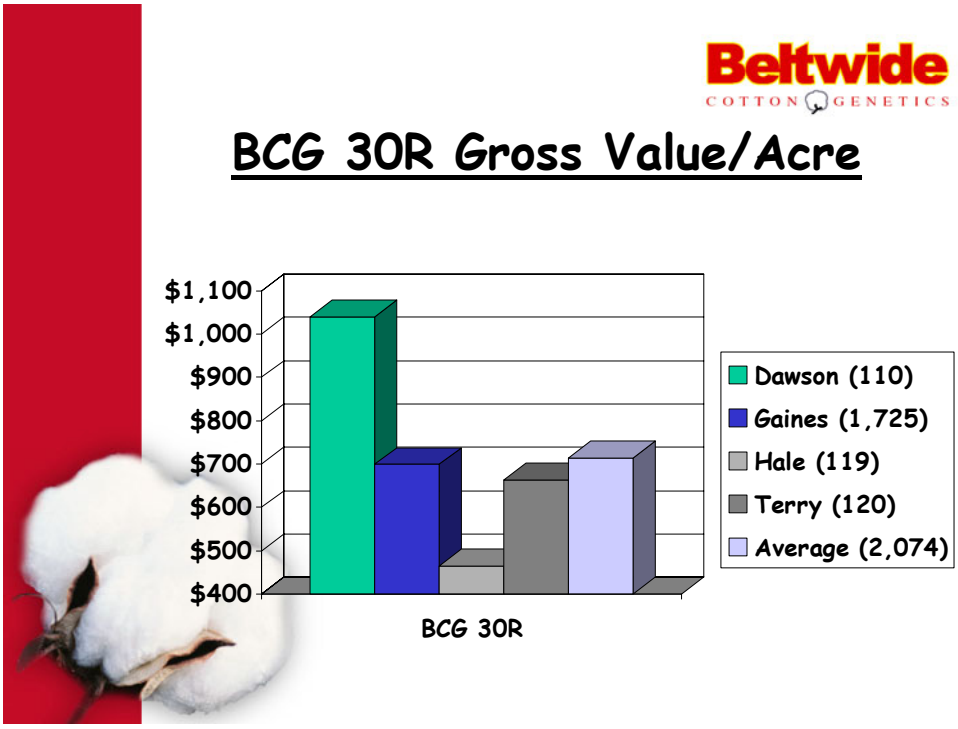

Figure 12. Average gross value/acre.