EVALUATION OF BOLLGARD II, LIBERTY LINK COTTON VARIETIES

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SUMMARY:

The yields of the varieties ranged from 593 – 679 lbs/acre and along with fiber quality have a value from $302.30 – 346.50 per acre. Without replication in a trial it is not possible to determine if numerical differences between treatments (cotton varieties in this case) are caused by the treatments or some other factor.

OBJECTIVE:

An assessment was conducted with the purpose of conducting a basic evaluation of five cotton varieties containing the Bollgard II and Liberty Link traits.

MATERIALS and METHODS:

A non-replicated evaluation was conducted by planting six cotton varieties in six-row, ½ mile long, plots in a cotton field in Victoria County. The field was stripper harvested. Yield and fiber quality were measured from each strip.

RESULTS and DISCUSSIONS:

The yields and fiber quality of the varieties is presented in table one. Keep in mind that this was a non-replicated trial. Without replication in a trial it is not possible to determine if numerical differences between treatments (cotton varieties in this case) are caused by the treatments or some other factor.

Table 1. Yield and fiber qualities of five Bollgard II, Liberty Link cotton varieties. (2008)

VARIETY	YIELD (LBS/ACRE)	TURNOUT %	MICRONAIRE	LENGTH INCHES	STRENGTH G/TEX	UNIFORMITY	LOAN VALUE $/100 LBS	LINT VALUE $/ACRE
FM 955 B2LL	648	35.7	5.2	1.11	28.8	82.2	49.85	323.3
FM 832	668	35.7	4.8	1.12	30.7	83.1	51.90	346.5
FM 835 B2LL	645	37.3	4.7	1.10	29.2	82.8	51.90	334.5
BCSX 0187 B2LL	679	38.1	5.5	1.03	28.1	81.2	48.45	329.0
BCSX 0102 B2LL	627	35.5	4.7	1.12	33.6	82.8	51.90	325.4
FM 1735 B2LL	593	38.1	4.1	1.14	29.2	77.5	51.00	302.3

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