DYNA-GRO 2570 B2RF: A NEW EARLY-MID MATURITY WITH BOLLGARD II AND ROUNDUP READY FLEX TRAITS

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Abstract

DG 2570 B2RF is an early mid-maturity upland variety that has shown excellent seedling vigor. It is smooth leaf cotton that has an open architecture with an associated robust plant growth. It is a medium-tall variety averaging about 42 inches in height. This variety has medium size bolls averaging about 6.0 grams. DG 2570 has shown very good drought tolerance and good storm resistance. It has also shown excellent tolerance to *Verticillium* wilt and *Fusarium* wilt. Overall in all trials gin turnout has ranged from 39-42%, fiber uniformity has ranged from 83-85%, Micronaire has ranged from 4.4 to 4.9, fiber length has ranged from 1.12 to 1.15 inches, and strength has ranged from 29 to 31 g/tex.

Overall plant performance of this variety was determined to be very adaptable throughout most of the cotton growing regions and especially well on lighter soils under heat stress and droughty conditions. Limited data has show very favorable yield responses on clay soils. No-till production practices also compliment this variety. DG 2570 additionally responds very well to irrigation for enhanced yields.

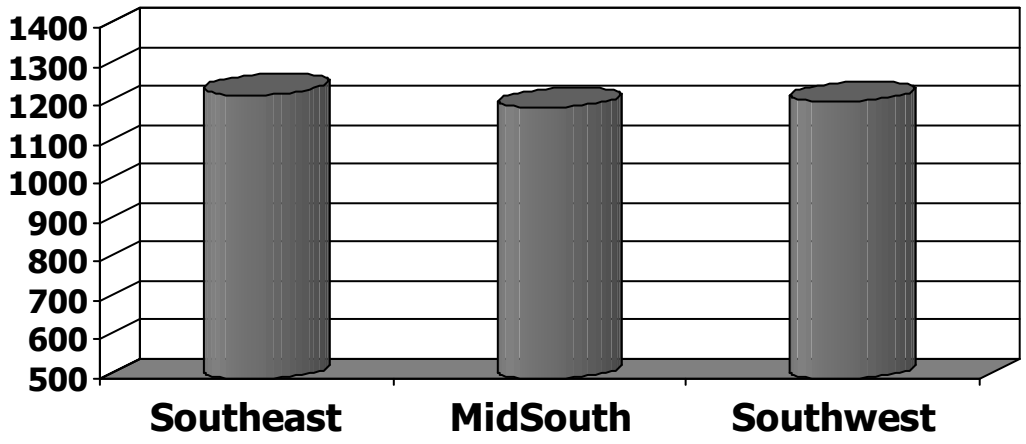

Figure 1. Lint yields per acre of DG 2570B2RF over three production regions averaged 2006-2007.

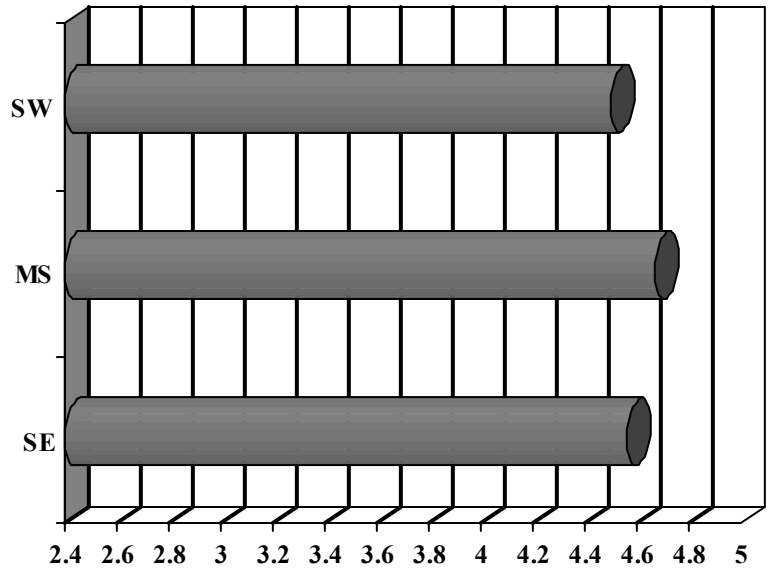

Figure 2. Micronaire fiber values of DG 2570B2RF over three production regions averaged 2006-2007.

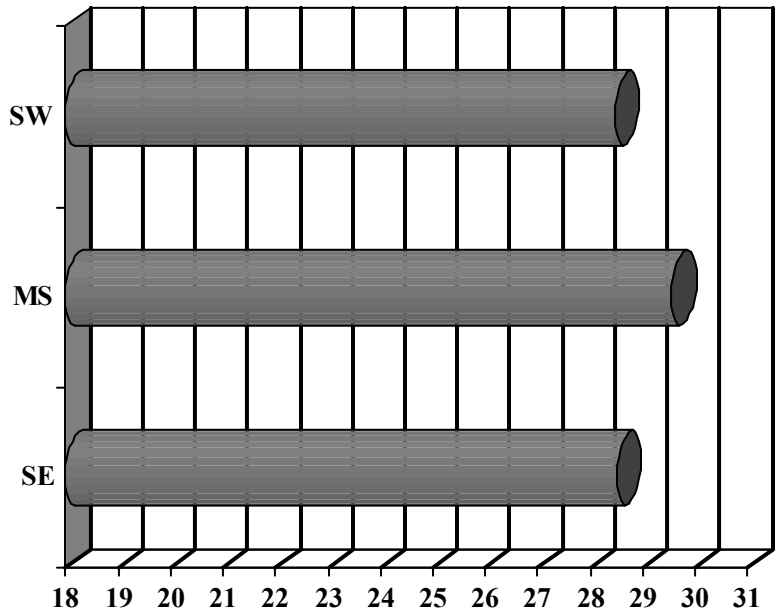

Figure 3. Fiber strength in grams /tex of DG 2570B2RF over three production regions averaged 2006-2007.

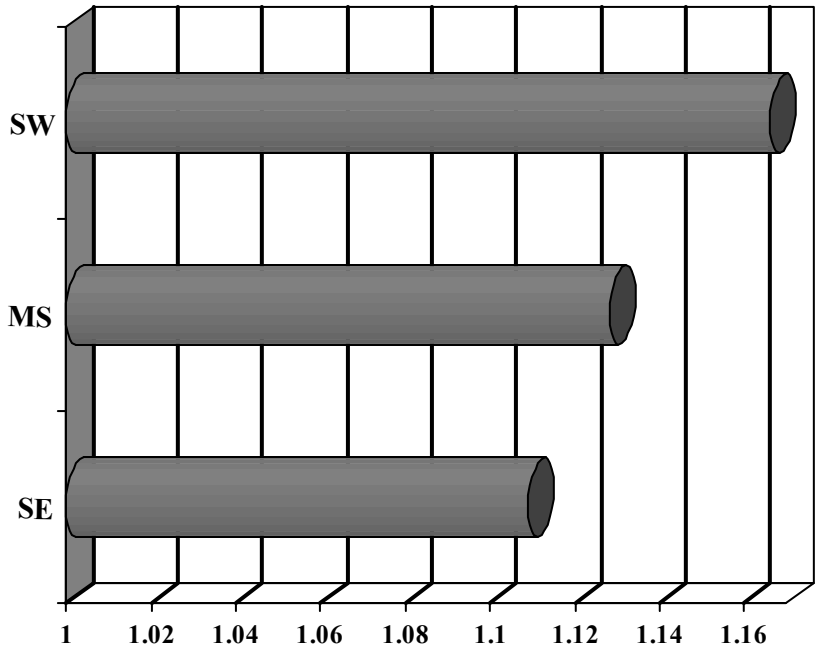

Figure 4. Fiber length in inches of DG 2570B2RF over three production regions averaged 2006-2007.

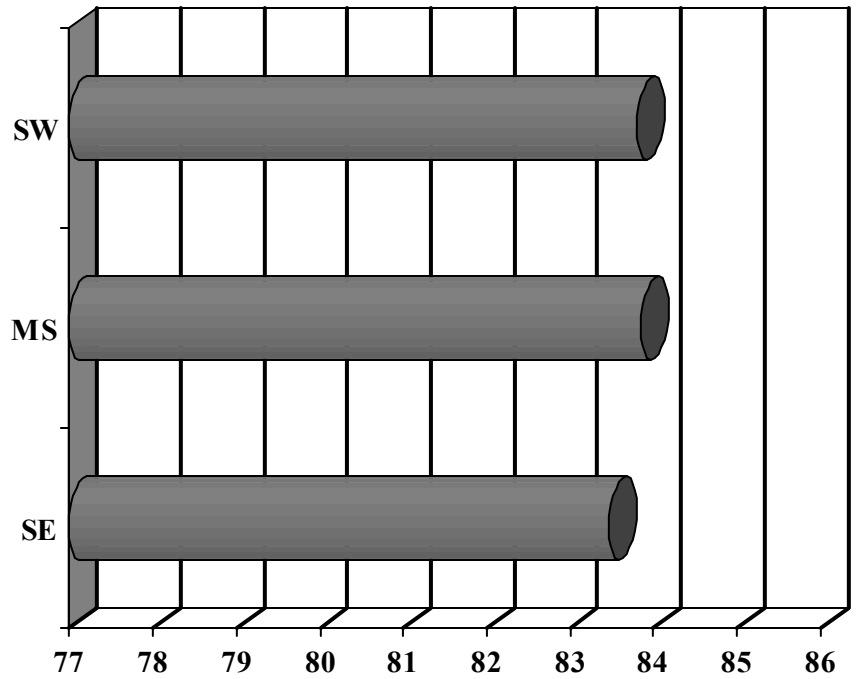

Figure 5. Fiber uniformity values of DG 2570B2RF over three production regions averaged 2006-2007.