

Top 3 Input Costs for Cotton

• 1. Fuel and Fertilizer

• 2. Seed/Technology Fees

• 3. Chemicals









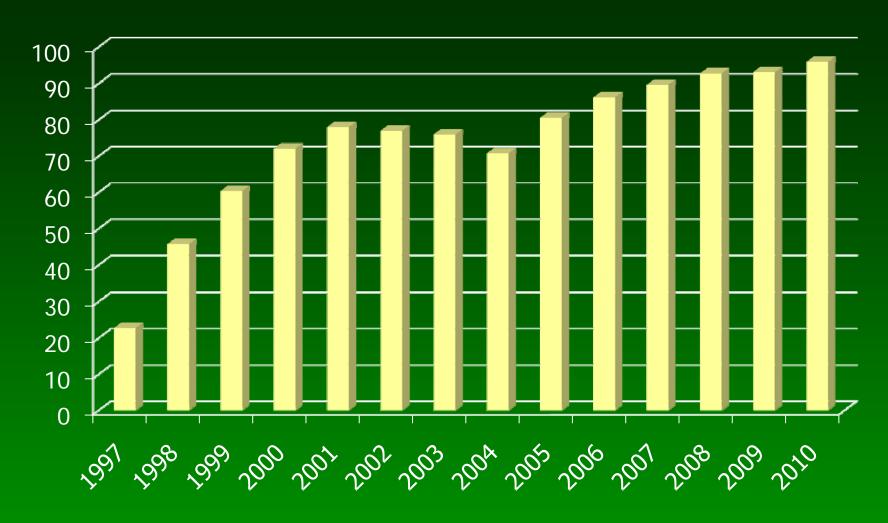
IT ALL BEGINS WITH THE SEED

Value Shifts Continue

- No longer just a seed...OR a variety
- Planting unit
 - Technology
 - Vigor
 - Protection
 - Fiber Quality
 - Additional Traits
- \$\$FRONT END LOADED!!

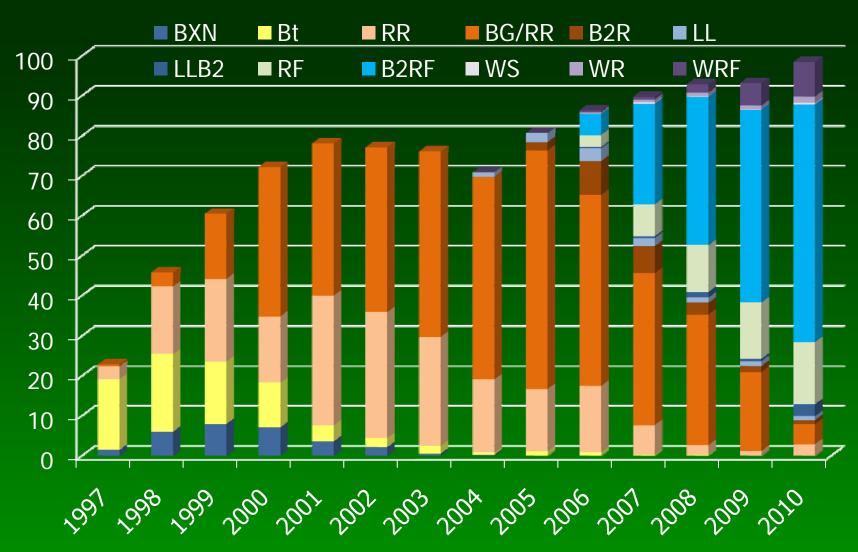


US Transgenic Cotton Acreage



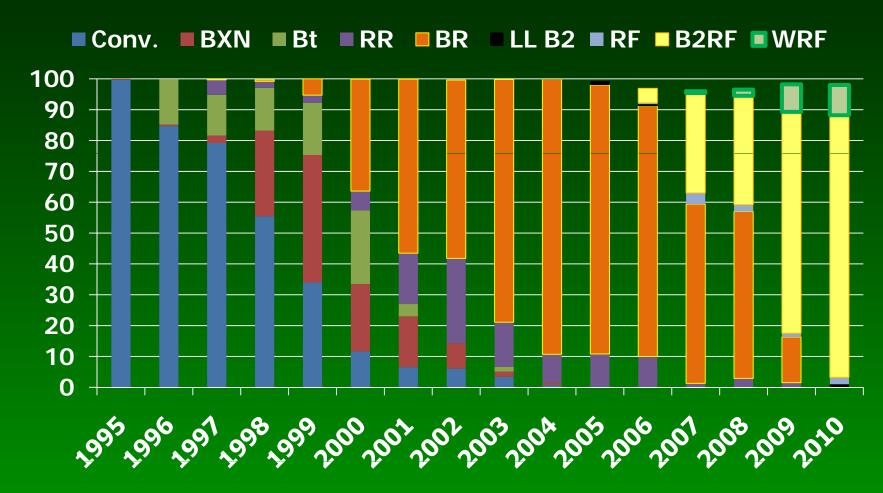


US Transgenic Cotton Acreage





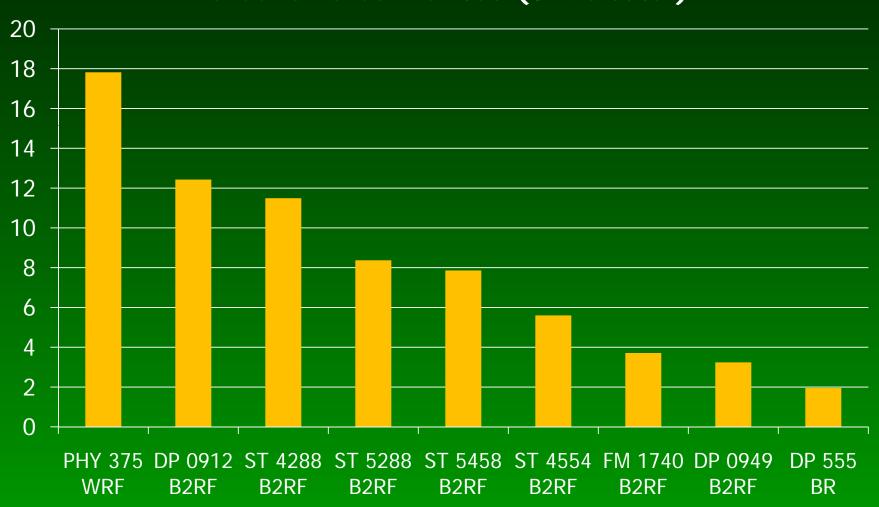
Percent Varieties Planted in Arkansas by Technology



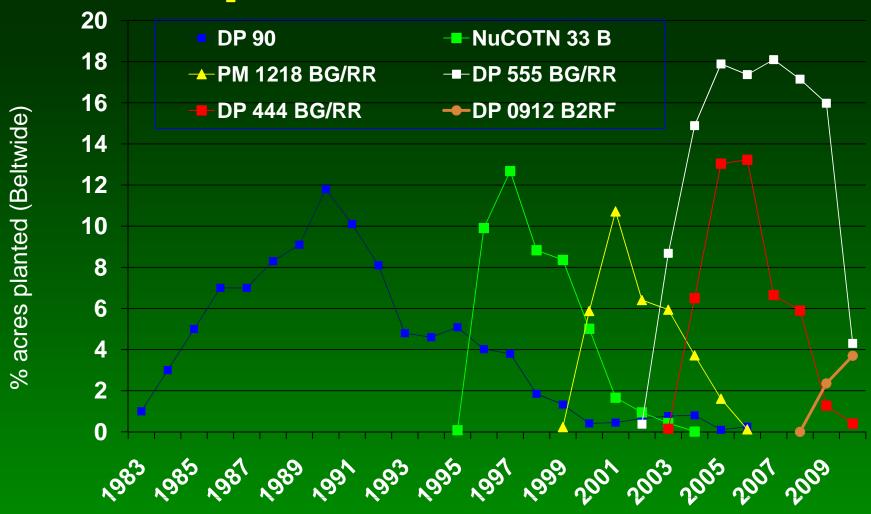


Varieties Planted In Mid-South USDA-AMS 2010

Percent Acres Planted (82% total)



Speed to Market



Questions

- How does yield performance actually relate to the varieties that are actually planted?
- Is yield the number one factor in variety selection for a grower?



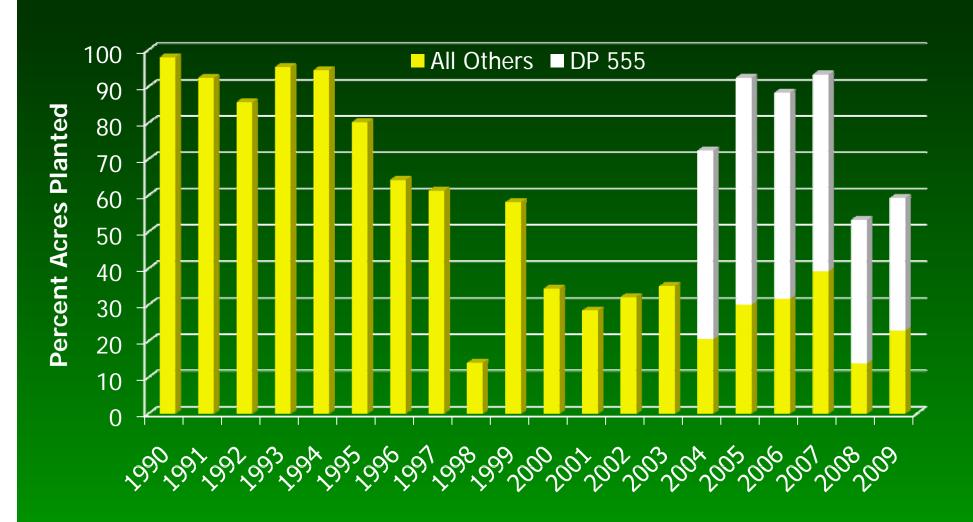
Evaluating Variety Selection Trends

- University Variety Trial (OVT) data 1990 to 2008
 - Which varieties were either recommended or finished in the top 25% of the OVT? Where possible, data for a twoyear average were used. In limited cases, one-year data were all that was available.
 - In each year, which varieties did a producer have a good reason to choose, based on the previous year's OVT results?
- USDA-AMS Cotton Varieties Planted publication 1990-2009
 - Lists the percent acreage devoted to specific varieties in each state.



Louisiana

Varieties planted that were in the top 25% of the OVT or recommended



Is there a preferred trait package?



- The ability to control
 Palmer amaranth could
 drive variety selection.
- Over-the-top herbicide systems will continue to rule.
- Insect traits will continue to be in demand in the Mid-South
- Future technology??



What is the outlook for 2011 and beyond for variety selection?

- Is there a dominant variety?
- Is there a preferred trait package?
- How much influence will convenience have in variety selection?



Convenience vs. Cost

- More convenient technology has almost always been readily adopted, even with high cost.
 - Staple in the mid-1990s first OT broadleaf herbicide
 - Bollgard cotton despite initial variety performance
 - RR cotton despite variety initial performance
 - Seed treatment insecticides and fungicides despite shorter residuals and a likelihood of more early sprays



How much does it cost to plant?

- 2000
 - Seed cost \$50-80/bag
 - Tech fee ~\$40/a
 - IF insecticide \$8/a
 - IF fungicide \$12/a
- \$70 (before labor and fuel)

- 2010
 - Seed cost \$120-140/bag
 - Tech fee ~\$65/a
 - Seed Treatment -~\$25/a
- \$115 (before fuel and labor)
- 64% increase



Costs of Seed Technology

- Focus is usually on tech fees... But, what about the rest of the seed package?
 - The seed is the delivery mechanism for
 - Genetics
 - Traits and Trait Packages
 - Insecticides
 - Fungicides
 - Nematicides

Do You Have a Choice?

Cost of Seed Technology

	Seed	Chemicals
Percent Increase from 2003 to 2009	110%	12%
	Percent of Total Operating Cost	
2003	13%	26%
2009	19%	19%
Change	+6%	-7%

Source: National Cotton Council estimated costs and returns for Mississippi Delta Region.



2011 Choices?



2011 Available Technology

FLEX ONLY

Bollgard 2 Flex

Widestrike

Widestrike Flex

Liberty Link Bollgard 2

Convenience

Resistant Weeds: Pigweed

2010 Insect Pressure

\$ 170/A by 2 leaf

Question

- How does the future December cotton contract price affect variety and management decisions?
 - -\$0.94/lb @ 1000 lb/A yields = \$940/A
 - -\$0.52/lb @ 1000 lb/A yields = \$520/A



