



HUMA GRO® BREAKOUT® & SKIP™ Increases Cotton Production for Tempe Farming Company

Field Report

Tempe Farming Co.
Maricopa, AZ
2011 Season

Summary:

A field trial using treatment product Pentia™ alone versus using HUMA GRO® BREAKOUT® + Pentia™ or HUMA GRO® SKIP™ on a Tempe Farming Company cotton crop in Maricopa, AZ.

Description

A replicated field trial was established to determine differences between Pentia™ (PIX Plus), HUMA GRO® "BREAKOUT®" and HUMA GRO® "SKIP™". The cooperator, Tempe Farming Company selected a field that was large enough to do a trial with each trial replicated 4 times. A check was included in each replicated block.

Variety: DPL 1044

Planting Date: May 16, 2011 (No till following Barley)

Final Irrigation Date: September 18, 2011

Defoliation Date: October 15, 2011

Harvest Date: November 28, 2011

The treatments were applied by ground application on July 27, 2011

Treatment 1: Pentia™ @ 17 oz per acre

Treatment 2: Pentia™ @ 17 oz/acre + HUMA GRO® BREAKOUT® @ 33.3 oz per acre

Treatment 3: HUMA GRO® SKIP™ @ 66.7 oz per acre

Treatment 4: HUMA GRO® BREAKOUT® @ 33.3 oz per acre

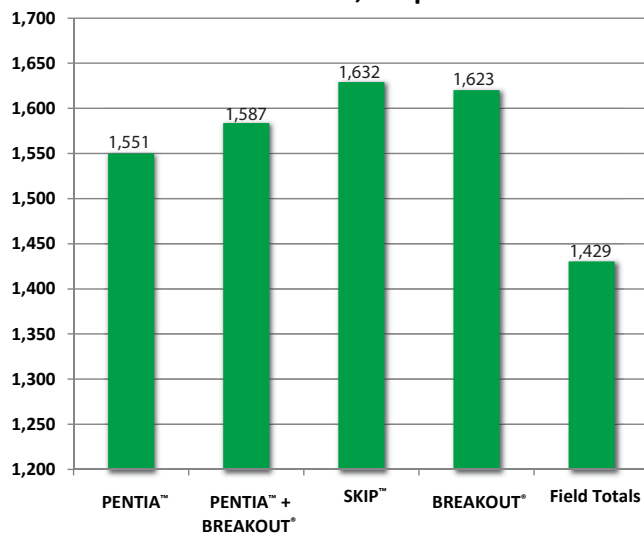
Balance of Field: Pentia™ @ 17 oz per acre

A second application of Pentia at 17 oz per acre over the entire field was applied August 10, 2011.

Each Treatment was harvested separately and totals were compiled for: Seed Cotton, Total Lint, Average Grade, Average Staple, Average Micronaire.

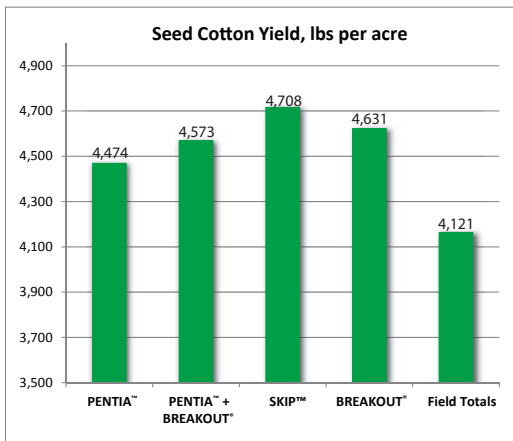
Each treatment cost was determined and dollar return was calculated using \$0.80 per lb of lint.

Cotton Lint Yield, lbs per acre



HUMA GRO® BREAKOUT® and SKIP™ Increases Cotton Production

Results



	Pentia™ + BREAKOUT®			
	Pentia™	BREAKOUT®	SKIP™	BREAKOUT®
	Treatment 1	Treatment 2	Treatment 3	Treatment 4
Seed Cotton	55,740 lbs	56,980 lbs	58,660 lbs	57,700 lbs
Seed Cotton/Acre	4,474 lbs	4,573 lbs	4,708 lbs	4,631 lbs
Lint Cotton	19,325 lbs	19,755 lbs	20,337 lbs	20,004 lbs
Lint/Acre	1,551 lbs	1,587.1 lbs	1,632 lbs	1,623 lbs
Average Grade	21.51	21.28	23.3	21.27
Average Staple	36.49	36.61	36.6	36.62
Average Micronaire	4.99	4.95	4.78	4.9
Cost of Material	\$12.80	\$18.80	\$18.40	\$12.40
Returns @\$0.80/lb Lint	\$1,240.80	\$1,269.60	\$1,305.60	\$1,298.40

The greatest return was obtained from treatment 3, HUMA GRO® SKIP™ + Pentia™ followed by treatment 4, HUMA GRO® BREAKOUT® + Pentia™.

Conclusion

Based on the results of this field trial, cotton treated with HUMA GRO® SKIP™ or BREAKOUT® produces significantly more lint and seed than an enhancer used alone.

BREAKOUT® is a unique blend of nutrients, polysaccharides and carbohydrates that balances the energy and hormonal production of the plant for cellular expansion during bud initiation and fruiting resulting in a heavier, more uniform set. It can also be used as a root stimulant when soil applied.

SKIP™ with MCT is designed to stimulate increased budding and flowering, while maintaining proper length of internodes.

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