

ACALA VARIETY TRIALS IN THE SAN JOAQUIN VALLEY

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Acala cotton varieties were grown on about 100,000 acres out of the greatly reduced total acreage of about 275,000 acres in 2008. Part of the reason for continuing changes in acreages is overall reductions in planted cotton acreage in California in recent years, but part is also related to shifts to Pima and non-Acala Upland cotton. There are tradeoffs in shifting to Pima (typically reductions in yields) and in shifts to non-Acala Uplands (typically lower price for lint), and growers need reliable, unbiased information regarding expected lint yields and fiber quality in order to make reasonable, lower-risk decisions. The San Joaquin Valley Cotton Board will remain the avenue for varieties to enter our "Approved Variety" testing program. Within Acala testing, the combined SJV Cotton Board and the UCCE Farm Advisor Approved Acala trials represents a source for broadly-based information on varietal performance. Separate trials involving newly-available CA Upland varieties continue to be conducted by Hutmacher and staff at Shafter and West Side REC sites to complement SJVCB / Approved Acala studies. Variety evaluations for yield and quality performance for varieties submitted into the Approved Variety program are initially the responsibility of the San Joaquin Valley Cotton Board. The Farm Advisors extend these evaluations by adding some continuing field testing of newly-approved and broadly-planted Approved Acala cotton varieties to the Acala tests of the SJV Cotton Board.

Research - Recent Years: 2007 and 2008

Program Operations Summary for 2007 – 2nd and 3rd year SJVCB Acala & UCCE Acala Trials. These evaluations were done at the UC Research Centers at Shafter and West Side, plus large-scale county grower locations. The Acala varieties included in the test were:

2007					
Company providing seed	Variety Name	Year in SJVCB Testing Program	Company providing seed	Variety Name	Year in SJVCB Testing Program
Bayer / CPCSD	Summit **	SJVCB standard	Delta and Pine Land	DPX 06L008F	2
Bayer	C-506	2	Delta and Pine Land	DPX 06L200F	2
Delta and Pine Land	DPX 04T 048	2	Delta and Pine Land	DPX 06L205F	2
Bayer	C-305 (ultima RF)	3	Phytogen	Phy-725 RF	3
Phytogen	P02X-7040	3	Phytogen	Phy-72	Already approved

Delta and Pine Land	DPX-03T590	Already approved	Bayer	C-504	Already approved
Bayer	Daytona RF	Already approved	Phytogen	Phy-78	Already approved
United Ag Products	DGOA-265BR	Already approved			
2008					
Bayer	Daytona RF	Already approved	Phytogen	Phy-725RF	Already approved
Phytogen	Phy-72	SJVCB standard	Phytogen	Phy-755 WRF	2 nd year testing

1st Year Screening Trials SJVCB Acala & UCCE Acala Trials. These entries were grown in the smaller-scale UC Research Centers at Shafter and West Side, and Acala varieties in test were:

2007					
Company providing seed	Variety Name	Year in SJVCB Testing Program	Company providing seed	Variety Name	Year in SJVCB Testing Program
Bayer / CPCSD	Summit **	SJVCB standard	Bayer	C-107	1
Bayer	C-207	1	Phytogen	Phy-72	Already approved check
Phytogen	Phy-755 WRF	1	Phytogen	P03X-7082	1
Phytogen	P06X-7131	1	Stoneville	ST-4427B2RF	1
2008					
None- no entries provided for screen by companies					

Testing Locations for 2008 Field Variety Trials (Joint UC and SJVCB Acala Programs):

Sites for Field Trials in 2 nd & 3 rd year tests		Sites for Field Trials in 1 st year tests	
Shafter Research Center (Kern County)		West Side Research Center (Fresno Co.)	Shafter Research Center (Kern County)
Tulare County (east of Waukena)	Fresno County (north of Mendota)	Both locations set aside and proposals made – but no company entries	
West Side Research Center (Fresno Co.)	Merced County (west of Dos Palos)		

Data collection and availability from field trials:

Summaries of prior year trial results are available at <http://cotton.ucdavis.edu>. In addition, results are presented at the Cotton Workgroup meetings and at winter and spring grower/PCA meetings of the University of California.

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