

GAINES COUNTY IPM NEWSLETTER

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Upcoming Meetings

January 13, 2010

Texas High Plains Oilseeds Workshop
Sesame, Safflower, Sunflower, Winter Canola
Texas AgriLife Research and Extension Center in Lubbock, TX
from I-27, east ½ mile on F.M. 1294 (exit 11-Shallowater)

Please RSVP by January 11

(806) 775-1680; cmbrown@ag.tamu.edu; or Texas AgriLife Research & Extension Center, Lubbock, (806)746-6101 (ext. 4806), or ctrostle@ag.tamu.edu

January 26, 2010

Alternative Crops and Profitability Workshop
Gaines County Park Party House (located between Seminole and Seagraves)
Details in upcoming newsletter

Contact: Manda Cattaneo (432) 758-8193 or mgcattaneo@ag.tamu.edu

February 2, 2010

Sandy Land Ag Conference
Gaines County Civic Building
Details in upcoming newsletter
Contact: Terry Millican (432) 758-4006 ext. 238 or gaines@ag.tamu.edu

Gaines County IPM Program Research Trial Results

2009 Evaluation of Variety Tolerance and Chemical Management for Southern Root Knot Nematode

Manda Cattaneo, Dr. Terry Wheeler, Dr. David Kerns, Dr. Jason Woodward, Dr. Mark Kelley, and Dr. Randy Boman
Cooperator: Raymond McPherson

The objectives of this study were to:

1. Evaluate the performance of ST 5458B2F and FM 9063B2F planted in conjunction with Aeris, Avicta Complete Cotton, Temik 15G at 3.5 lbs, Temik 15G at 5lbs, or Temik 15G at 3.5lbs plus a foliar application of Vydate C-LV at the third grown square stage.
2. Compare the net returns between varieties, chemicals, and the interaction between varieties and chemicals.

Results:

Table 1. Harvest results by variety					
Variety	Lint turnout %	Seed turnout %	Lint yield Lb/acre	Gin cost	Net value
				-----\$/acre-----	
ST 5458B2F	36.2 a	48.0 a	1152 a	95.50 a	707.70 a
FM 9063B2F	33.3 b	50.8 b	778 b	70.20 b	489.89 b
	<i>P</i> < 0.0001	<i>P</i> < 0.0001	<i>P</i> < 0.0001	<i>P</i> < 0.0001	<i>P</i> < 0.0001

Table 2. Harvest results by chemical					
Chemical	Lint yield Lb/acre	Lint value	Seed value	Gin Cost	Net Value
		-----\$/acre-----			
5 lbs of Temik 15G	1062 a	602.97 a	149.03 a	90.70 a	661.30 a
3.5 lbs of Temik 15G	1034 ab	583.48 ab	145.65 a	87.88 ab	641.25 a
3.5 lbs of Temik 15G² & 17 oz of Vydate C-LV	957 bc	545.79 abc	134.47 abc	81.60 bc	598.66 ab
Aeris	979 ab	544.21 bc	138.40 ab	84.66 abc	597.95 ab
Untreated	880 c	502.05 c	124.80 cb	76.53 c	550.32 b
Avicta	878 c	499.83	119.28 c	75.8 c	543.31 b
	<i>P</i> = 0.002	<i>P</i> = 0.006	<i>P</i> = 0.004	<i>P</i> = 0.01	<i>P</i> = 0.005

Discussion:

ST 5458B2RF had significantly higher lint yield per acre and lint turnout than FM 9063B2F which resulted in a significantly higher net value per acre. However, FM 9063B2F had a significantly higher seed turnout per acre (*Table 1*).

Net value of 5 lbs of Temik 15G was not significantly different from 3.5 lbs of Temik 15G, 3.5 lbs of Temik 15G with 17 oz of Vydate, and Aeris (*Table 2*). However, 3.5 lbs of Temik with 17 oz of Vydate and Aeris did not significantly differ from the untreated and Avicta (*Table 2*).

A detailed report will be provided at the Sandyland Ag Conference. Results from the other 2009 trials will be sent out in the upcoming weeks.