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**Research Report**

## Economic outlook for Texas representative cotton farms given the august 2005 FAPRI/AFPC baseline

AFPC Briefing Paper, No. 05-4

**Provided in Cooperation with:**

The Agricultural & Food Policy Center (AFPC), Texas A&M University

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# Economic Outlook for Texas Representative Cotton Farms Given the August 2005 FAPRI/AFPC Baseline



AFPC Briefing Paper 05-4

October 2005

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**ECONOMIC OUTLOOK FOR TEXAS REPRESENTATIVE  
COTTON FARMS GIVEN THE AUGUST 2005  
FAPRI/AFPC BASELINE**

AFPC Briefing Paper 05-4

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## **Executive Summary**

The Agricultural and Food Policy Center (AFPC) at Texas A&M University develops and maintains data to simulate eleven representative cotton operations in major production areas across Texas. The chief purpose of this analysis is to project those farms' economic viability for 2005 through 2009. The data necessary to simulate the economic activity of these operations is developed through ongoing cooperation with panels of agricultural producers throughout the state. The Food and Agricultural Policy Research Institute (FAPRI) provided projected prices, policy variables, and input inflation rates in their August 2005 Baseline.

Under the August 2005 Baseline, none of the Texas representative cotton farms are classified in good liquidity condition (less than a 25 percent chance of negative ending cash during 2005-2009). Four of the cotton farms (TXSP3745, TXRP2500, TXMC3500, and TXCB1850) have between a 25 percent and a 50 percent likelihood of negative ending cash. The remaining seven farms have greater than a 50 percent chance of negative ending cash. Similarly, no Texas cotton farms are considered in good equity position (less than a 25 percent chance of decreasing real net worth during 2005-2009). Three farms (TXRP2500, TXMC3500, and TXCB1850) have between a 25 percent and 50 percent likelihood of losing real net worth, and the remaining eight cotton farms have greater than a 50 percent probability of decreasing real net worth.

Overall rankings for the representative cotton farms are projected to be as follows: None of the eleven Texas cotton farms are classified in good condition, three (TXRP2500, TXMC3500, and TXCB1850) are in moderate condition, and the remaining eight are in poor condition. In addition, all of the farms have a 40 percent or higher chance of losing real net worth by 2009.

More cotton farms are in poor overall financial condition under the August 2005 Baseline than under previous baselines. The major factor contributing to the poor financial performance of the farms is the large increase in energy prices. Fuel costs, previously projected to decrease modestly in 2005 and 2006, are now projected to increase significantly on top of the increases experienced in 2003 and 2004. The increase in cost is not limited to fuel expense for trucks, equipment, and irrigation motors, but includes the cost of nitrogen fertilizer and ag-related services which are closely linked to energy prices. The steady rise in energy related costs is particularly evident in farms with input-intensive crops like cotton. In addition, seven of the eleven farms irrigate a portion of their cotton. Much of the cost of irrigation for farms irrigating from wells rather than surface water is associated with fuel to run the power units for pumping water, thus the irrigated operations are even more negatively impacted by rising fuel costs.

## **FAPRI August 2005 Baseline**

Projected crop prices for FAPRI's August 2005 Baseline are summarized in Table 1. Cotton prices decreased dramatically in 2004 to \$0.428/lb. from a 2003 high of \$0.618/lb. From 2004 levels, cotton prices are projected to increase gradually to \$0.5224/lb. in 2009. Corn prices start at a high of \$2.42/bu. in 2003, decrease in 2005 to \$2.04/bu, and then increase marginally until they reach \$2.31/bu. by 2009. Wheat prices are expected to range between \$3.09/bu and \$3.47/bu between 2004 and 2009, strengthening after 2005. Rice prices rose to \$8.08/cwt. in 2003, reaching a recent high, and then declined slightly in 2004 to \$7.30/cwt. Rice prices are projected to increase gradually from \$7.31/cwt. in 2005 to \$7.40/cwt. in 2009.

Assumed loan rates and direct payment rates are reported in Table 1. The annual direct payment rates for 2002-2007 reflect the increase in these payment rates authorized in the 2002 Farm Bill. All payment rates are assumed to hold at 2007 levels for 2008 and 2009.

Projected annual rates of change for variable cash expenses are summarized in Table 2. The rate of change in input prices come from FAPRI's August 2005 Baseline. Annual interest rates from Global Insight (formerly DRI) paid for intermediate-term and long-term loans and earned for savings are also reported in Table 2. Assumed annual rates of change in land values over the 2005-2009 period are provided by the FAPRI Baseline and are projected to range between a 0.07% and a 3.28% per year increase in nominal land values from 2006 through 2009 (Table 2).

**Table 1. FAPRI August 2005 Baseline Projections of Crop Prices, Loan Rates, and Direct Payment Rates, 2002-2009**

	2002	2003	2004	2005	2006	2007	2008	2009
<b>Crop Prices</b>								
Corn (\$/bu.)	2.32	2.42	2.07	2.04	2.10	2.18	2.25	2.31
Wheat (\$/bu.)	3.56	3.40	3.40	3.09	3.20	3.32	3.40	3.47
Cotton (\$/lb.)	0.4450	0.6180	0.4280	0.4361	0.4788	0.5038	0.5146	0.5224
Sorghum (\$/bu.)	2.32	2.39	1.75	1.89	1.92	1.98	2.05	2.11
Soybeans (\$/bu.)	5.53	7.34	5.80	5.98	5.44	5.34	5.33	5.37
Barley (\$/bu.)	2.72	2.83	2.48	2.38	2.53	2.59	2.64	2.66
Oats (\$/bu.)	1.81	1.48	1.48	1.47	1.52	1.57	1.61	1.65
Rice (\$/cwt.)	4.49	8.08	7.30	7.31	7.30	7.30	7.29	7.40
Soybean Meal (\$/ton)	173.19	244.22	176.45	179.82	166.33	164.46	162.04	160.06
All Hay (\$/ton)	92.40	85.50	89.70	95.49	94.93	95.04	96.17	97.51
Peanuts (\$/ton)	364.00	386.00	378.00	309.72	334.27	364.62	377.57	386.64
<b>Loan Rates</b>								
Corn (\$/bu.)	1.98	1.98	1.95	1.95	1.95	1.95	1.95	1.95
Wheat (\$/bu.)	2.80	2.80	2.75	2.75	2.75	2.75	2.75	2.75
Cotton (\$/lb.)	0.5200	0.5200	0.5200	0.5200	0.5200	0.5200	0.5200	0.5200
Sorghum (\$/bu.)	1.98	1.98	1.95	1.95	1.95	1.95	1.95	1.95
Soybeans (\$/bu.)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Barley (\$/bu.)	1.88	1.88	1.85	1.85	1.85	1.85	1.85	1.85
Oats (\$/bu.)	1.35	1.35	1.33	1.33	1.33	1.33	1.33	1.33
Rice (\$/cwt.)	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
Peanuts (\$/ton)	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00
<b>Direct Payment Rates</b>								
Corn (\$/bu.)	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Wheat (\$/bu.)	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Cotton (\$/lb.)	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667
Sorghum (\$/bu.)	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Soybeans (\$/bu.)	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Barley (\$/bu.)	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Oats (\$/bu.)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rice (\$/cwt.)	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
Peanuts (\$/ton)	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00

Source: Food and Agricultural Policy Research Institute (FAPRI) at the University of Missouri-Columbia and Iowa State University.

**Table 2. FAPRI August 2005 Baseline Assumed Rates of Change in Input Prices, Annual Interest Rates, and Annual Changes in Land Values, 2003-2009**

	2003	2004	2005	2006	2007	2008	2009
<b>Annual Rate of Change for Input Prices Paid</b>							
Seed Prices (%)	8.45	2.44	1.18	1.10	1.39	1.16	1.69
All Fertilizer Prices (%)	25.89	13.83	17.63	11.34	-3.27	-2.69	1.10
Herbicide Prices (%)	0.00	0.89	0.56	-0.29	-1.07	-0.58	0.80
Insecticide Prices (%)	4.29	-1.78	-1.01	-1.71	-0.47	0.22	1.38
Fuel and Lube Prices (%)	32.08	17.26	23.83	7.89	-2.93	-2.58	0.93
Machinery Prices (%)	-1.96	7.87	2.38	1.28	2.49	3.05	3.49
Wages (%)	2.61	1.91	1.93	2.61	2.64	2.70	2.48
Supplies (%)	1.63	1.80	1.63	-1.78	-0.97	-0.33	1.06
Repairs (%)	2.99	3.02	3.48	1.53	1.68	1.90	2.06
Services (%)	2.50	0.61	1.91	1.18	2.16	2.81	3.18
Taxes (%)	1.59	1.56	2.80	-0.17	1.43	1.15	1.85
PPI Items (%)	4.20	5.24	0.59	0.25	1.10	1.35	1.91
PPI Total (%)	3.28	4.43	1.12	0.59	1.32	1.54	1.96
<b>Annual Change in Consumer Price Index (%)</b>							
	2.27	2.66	2.28	1.63	1.83	1.98	2.29
<b>Annual Interest Rates</b>							
Long-Term (%)	5.03	5.18	5.43	5.55	5.64	5.76	5.86
Intermediate-Term (%)	3.68	4.19	4.40	4.49	4.57	4.67	4.74
Savings Account (%)	1.10	1.44	1.51	1.54	1.57	1.60	1.62
<b>Annual Rate of Change for U.S. Land Prices (%)</b>							
	4.96	7.09	11.00	3.28	0.07	0.25	1.34

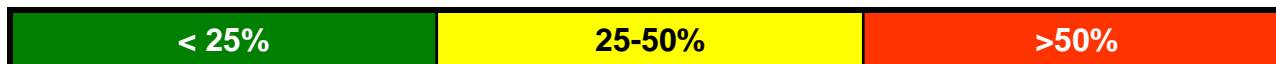
Source: Food and Agricultural Policy Research Institute (FAPRI) at the University of Missouri-Columbia and Iowa State University.



# Economic Viability of Texas Representative Cotton Farms

## August 2005 Baseline

Farm Name	P(Negative Ending Cash)	P(Real Net Worth Declines)
1/4/13	2005-2009	2005-2009
TXNP3000	28-88	1-93
TXNP7000	48-78	1-57
TXSP2239	40-75	1-64
TXSP3745	3-49	1-62
TXPC2500	34-99	1-99
TXEC5000	84-99	1-99
TXRP2500	21-47	1-42
TXMC3500	41-47	1-48
TXCB1850	32-43	1-40
TXCB5500	58-99	1-99
TXVC4500	61-92	1-73

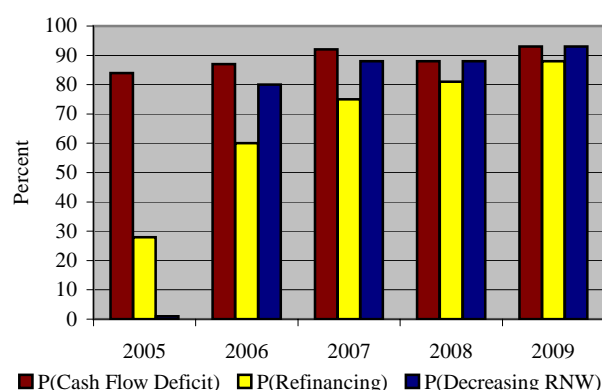


# TXNP3000

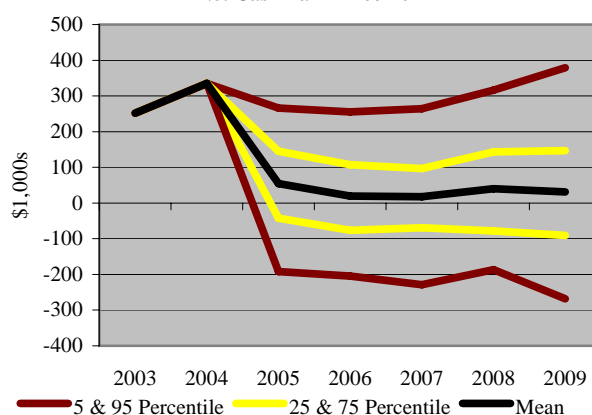
This is a 3,000-acre cotton farm located on the northern High Plains of Texas (Moore County). This farm plants 1,500 acres of cotton (1,200 irrigated and 300 dryland), 360 acres of irrigated corn, 240 acres of irrigated sorghum for seed production, and 600 acres of irrigated wheat annually. Fifty-two percent of total receipts are generated from cotton sales.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	846.2	877.2	899.8	939.9	958.3
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	242.4	210.1	190.3	177.9	177.0
Total Receipts (\$1,000)	1,129.1	1,139.9	1,136.4	1,169.5	1,187.5
Total Expenses (\$1,000)	1,074.2	1,120.1	1,118.5	1,128.9	1,156.0
Net Cash Farm Income (\$1,000)	54.9	19.8	17.8	40.5	31.4
Ending Cash (\$1,000)	62.9	-54.1	-159.2	-263.8	-414.2
Net Worth (\$1,000)	789.8	684.7	583.2	474.7	348.2
Return on Assets (%)	-1.7	-5.7	-6.1	-2.8	-4.0
P(Cash Flow Deficit) (%)	84.0	87.0	92.0	88.0	93.0
P(Refinancing) (%)	28.0	60.0	75.0	81.0	88.0
P(Decreasing RNW) (%)	1.0	80.0	88.0	88.0	93.0

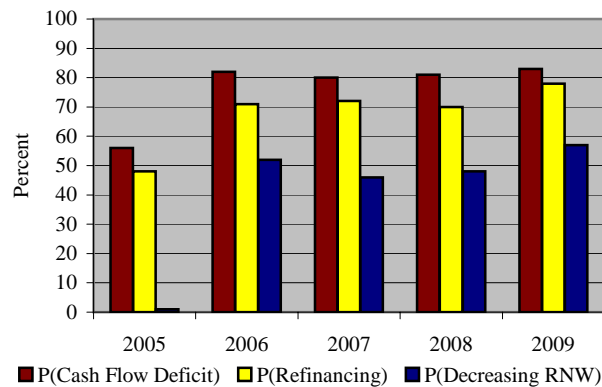
Producers participating in the panel include: Kerry Cartrite, Brent Clark, and Kelly Hays. Steve Amosson and Tim Trimble serve as facilitators.

# TXNP7000

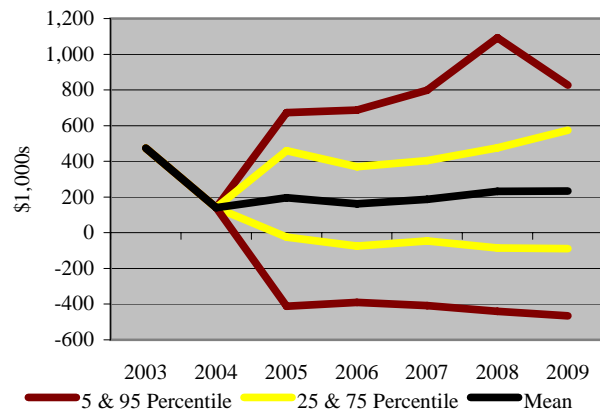
TXNP7000 is a large-sized cotton farm located in the northern Texas Panhandle (Moore County). This farm annually plants 2,850 acres of irrigated cotton, 1,100 acres of irrigated corn, 796 acres of sorghum (516 acres of dryland and 280 acres of irrigated production for seed), and 1,237 acres of winter wheat (720 acres irrigated and 517 acres dryland). Forty-eight percent of 2004 cash receipts were derived from cotton sales.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	1,883.9	1,986.8	2,060.5	2,140.4	2,188.5
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	554.8	479.6	432.6	403.7	396.0
Total Receipts (\$1,000)	2,519.9	2,559.5	2,579.6	2,632.9	2,679.9
Total Expenses (\$1,000)	2,323.0	2,397.9	2,392.0	2,400.8	2,446.3
Net Cash Farm Income (\$1,000)	196.9	161.7	187.6	232.1	233.7
Ending Cash (\$1,000)	-35.1	-227.1	-329.9	-444.3	-551.6
Net Worth (\$1,000)	2,045.3	1,982.1	1,980.5	1,918.8	1,908.4
Return on Assets (%)	6.0	2.1	3.0	6.4	5.3
P(Cash Flow Deficit) (%)	56.0	82.0	80.0	81.0	83.0
P(Refinancing) (%)	48.0	71.0	72.0	70.0	78.0
P(Decreasing RNW) (%)	1.0	52.0	46.0	48.0	57.0

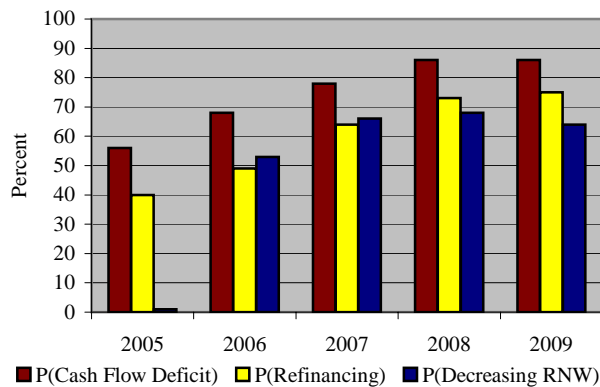
Producers participating in the panel include: Rick May, Tom Moore, Clyde Tims, and David Tims. Steve Amosson and Tim Trimble serve as facilitators.

# TXSP2239

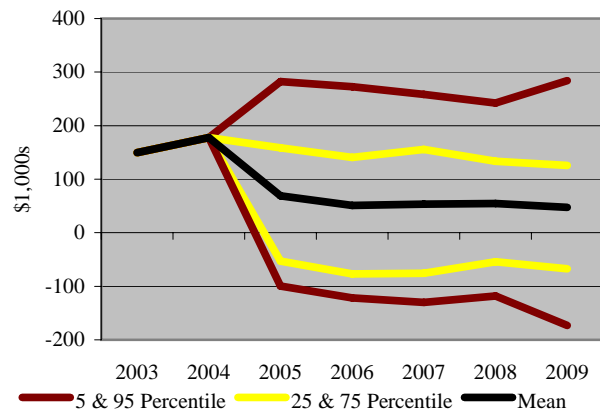
A 2,239-acre Texas South Plains (Dawson County) cotton farm that is moderate-sized for the area. TXSP2239 plants 1,800 acres of cotton (1,434 dryland, 366 irrigated), 60 acres of peanuts, and has 183 acres in CRP. For 2004, 91 percent of receipts came from cotton.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	348.3	368.2	387.4	399.5	406.7
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	181.2	156.0	146.7	134.3	131.7
Total Receipts (\$1,000)	554.1	552.8	561.7	566.5	569.6
Total Expenses (\$1,000)	485.3	502.0	508.4	512.1	522.0
Net Cash Farm Income (\$1,000)	68.8	50.8	53.3	54.4	47.7
Ending Cash (\$1,000)	31.0	-14.8	-75.6	-128.4	-177.6
Net Worth (\$1,000)	740.1	708.8	666.4	629.0	607.8
Return on Assets (%)	5.4	2.2	-1.3	-0.5	0.0
P(Cash Flow Deficit) (%)	56.0	68.0	78.0	86.0	86.0
P(Refinancing) (%)	40.0	49.0	64.0	73.0	75.0
P(Decreasing RNW) (%)	1.0	53.0	66.0	68.0	64.0

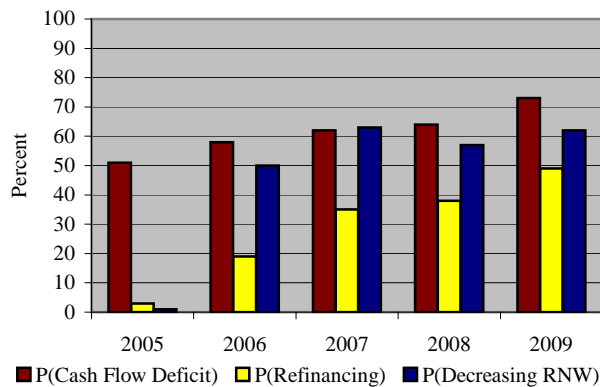
Producers participating in the panel include: Steven Archer, Mark Furlow, Johnny Ray Todd, and Donald Vogler. Casey Barrett serves as the facilitator.

# TXSP3745

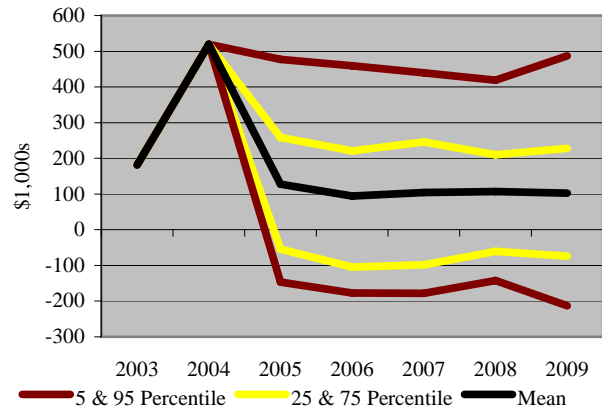
The Texas South Plains (Dawson County) is home to this 3,745-acre, large-sized cotton farm that grows 3,036 acres of cotton (2,406 dryland, 630 irrigated), 120 acres of peanuts, and has 288 acres in CRP. Cotton sales comprised 90 percent of 2004 receipts.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	600.4	632.0	668.4	685.6	706.2
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	313.0	270.1	252.2	229.6	225.4
Total Receipts (\$1,000)	950.9	947.0	963.2	966.1	979.5
Total Expenses (\$1,000)	823.1	853.0	859.1	858.7	877.4
Net Cash Farm Income (\$1,000)	127.8	94.0	104.1	107.4	102.1
Ending Cash (\$1,000)	223.0	169.3	110.1	66.2	-3.0
Net Worth (\$1,000)	1,986.1	1,957.2	1,900.8	1,869.7	1,833.5
Return on Assets (%)	5.0	1.6	0.8	1.3	1.3
P(Cash Flow Deficit) (%)	51.0	58.0	62.0	64.0	73.0
P(Refinancing) (%)	3.0	19.0	35.0	38.0	49.0
P(Decreasing RNW) (%)	1.0	50.0	63.0	57.0	62.0

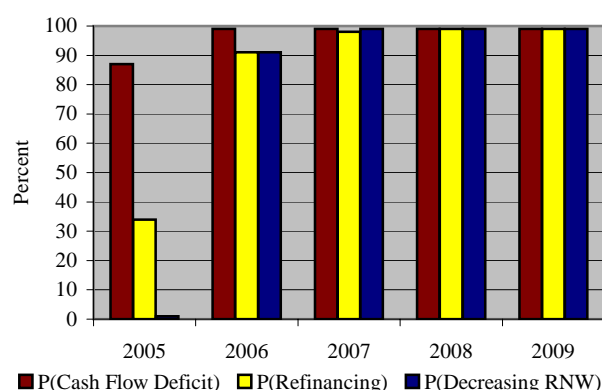
Producers participating in the panel include: Brad Boyd, Jerry Chapman, Terry Coleman, and Kent Nix. Casey Barrett and Jackie Smith serve as facilitators.

# TXPC2500

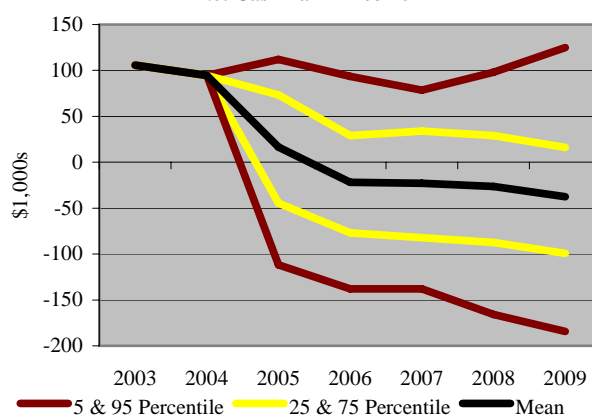
The Texas Panhandle is home to this 2,500-acre farm (Deaf Smith County). Annually, cotton is planted on 1,184 acres (1,000 irrigated and 184 dryland), 308 acres to sorghum (125 irrigated and 183 dryland), 883 acres planted to wheat (700 irrigated and 183 dryland), and 125 irrigated acres are planted to corn. Sixty-three percent of 2004 cash receipts were generated by cotton sales.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	486.7	529.5	553.9	581.7	598.3
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	303.9	265.4	241.3	221.4	223.1
Total Receipts (\$1,000)	888.6	894.7	895.1	900.7	915.0
Total Expenses (\$1,000)	872.0	916.5	917.9	927.2	952.5
Net Cash Farm Income (\$1,000)	16.5	-21.8	-22.8	-26.5	-37.5
Ending Cash (\$1,000)	14.4	-123.7	-251.5	-411.3	-567.7
Net Worth (\$1,000)	1,341.8	1,243.1	1,142.2	1,015.9	903.0
Return on Assets (%)	-1.7	-5.3	-5.0	-4.5	-4.2
P(Cash Flow Deficit) (%)	87.0	99.0	99.0	99.0	99.0
P(Refinancing) (%)	34.0	91.0	98.0	99.0	99.0
P(Decreasing RNW) (%)	1.0	91.0	99.0	99.0	99.0

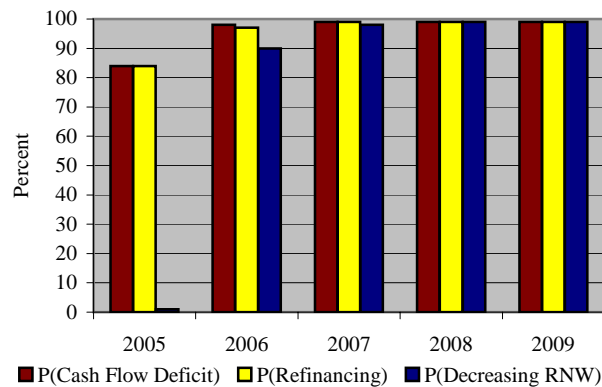
Producers participating in the panel include: Michael Carlson, Roy Carlson, Steve Hoffman, and Harold Sides. Sean Smith serves as the facilitator.

# TXEC5000

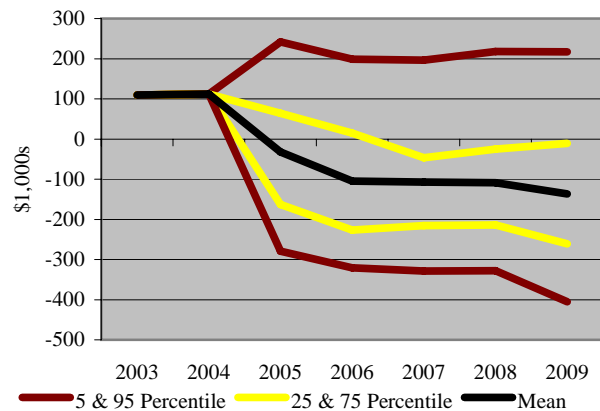
This 5,000-acre farm is located on the Eastern Caprock of the Texas South Plains (Crosby County). Annually, 4,300 acres are planted to cotton (2,800 irrigated and 1,500 dryland), 400 acres of wheat (100 irrigated and 300 dryland), and 300 acres of dryland sorghum. In 2004, cotton sales accounted for 96 percent of gross receipts.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	770.0	814.0	855.5	886.3	887.1
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	417.7	354.8	328.9	301.1	310.7
Total Receipts (\$1,000)	1,209.7	1,195.7	1,207.0	1,215.1	1,225.5
Total Expenses (\$1,000)	1,241.7	1,300.6	1,313.9	1,324.1	1,362.1
Net Cash Farm Income (\$1,000)	-32.0	-104.9	-106.9	-109.0	-136.7
Ending Cash (\$1,000)	-168.6	-384.1	-614.6	-840.4	-1,111.9
Net Worth (\$1,000)	823.5	628.8	422.8	232.2	-5.1
Return on Assets (%)	-6.9	-12.7	-12.0	-10.6	-11.1
P(Cash Flow Deficit) (%)	84.0	98.0	99.0	99.0	99.0
P(Refinancing) (%)	84.0	97.0	99.0	99.0	99.0
P(Decreasing RNW) (%)	1.0	90.0	98.0	99.0	99.0

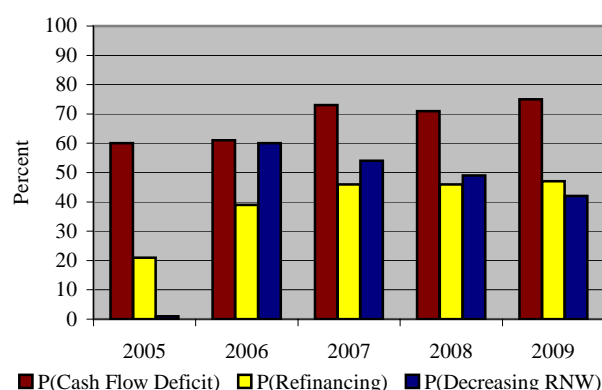
Producers participating in the panel include: Lloyd Arthur, Brooks Ellison, Edwin Moore, and Marvin Schoepf. Jason Cox serves as the facilitator.

# TXRP2500

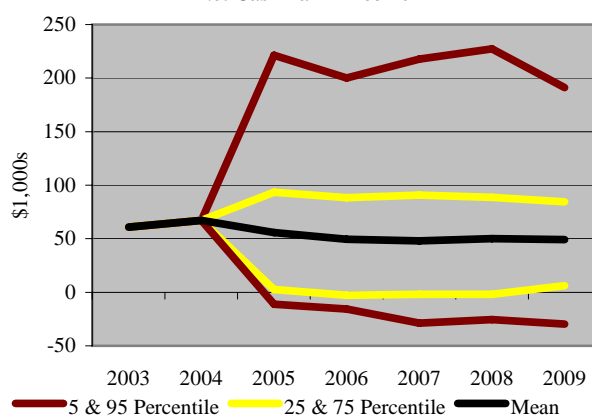
TXRP2500 is a 2,500-acre cotton farm located in the Rolling Plains of Texas (Jones County). This farm plants 1,122 acres of cotton and 825 acres of winter wheat each year. Eighty-one percent of 2004 farm receipts came from cotton sales. Twelve head of beef cows generated approximately two percent of farm receipts.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	148.9	156.6	162.3	171.5	168.0
Livestock Receipts (\$1,000)	6.4	5.0	4.8	5.4	4.3
Government Payments (\$1,000)	92.3	81.8	75.6	70.7	71.7
Total Receipts (\$1,000)	260.8	258.8	258.3	263.1	262.4
Total Expenses (\$1,000)	205.0	209.4	210.2	212.9	213.2
Net Cash Farm Income (\$1,000)	55.8	49.4	48.0	50.2	49.3
Ending Cash (\$1,000)	44.0	40.3	24.1	15.9	10.2
Net Worth (\$1,000)	411.7	417.4	413.3	417.0	422.8
Return on Assets (%)	7.5	5.7	0.5	2.0	6.0
P(Cash Flow Deficit) (%)	60.0	61.0	73.0	71.0	75.0
P(Refinancing) (%)	21.0	39.0	46.0	46.0	47.0
P(Decreasing RNW) (%)	1.0	60.0	54.0	49.0	42.0

Producers participating in the panel include: Dennis Olson, Ronnie Richmond, Ronnie Riddle, Dale Spurgin, and Ferdie Walker. Stan Bevers, Mike Sloan, and Todd Vineyard serve as facilitators.

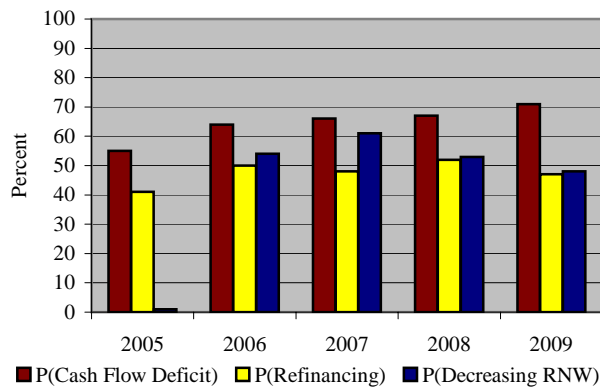


# TXMC3500

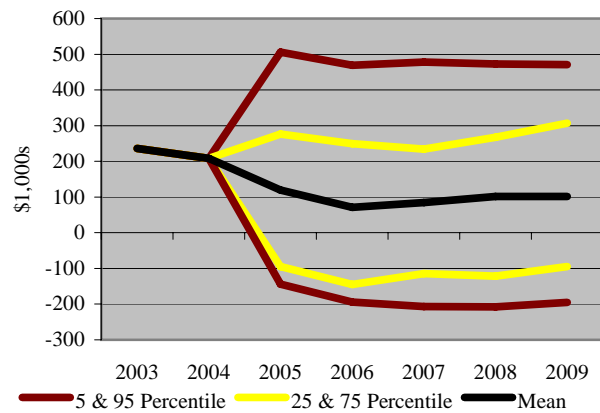
A 3,500-acre cotton farm located on the middle Texas Gulf Coast (Jackson County) that farms 1,750 acres of cotton and 875 acres each of sorghum and corn. In 2004, cotton sales comprised 71 percent of total cash receipts on this operation.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	879.9	903.7	938.8	993.3	1,004.1
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	372.7	324.7	302.9	279.1	274.6
Total Receipts (\$1,000)	1,295.4	1,275.8	1,291.7	1,324.3	1,342.5
Total Expenses (\$1,000)	1,175.7	1,205.1	1,206.9	1,222.8	1,240.8
Net Cash Farm Income (\$1,000)	119.7	70.7	84.8	101.6	101.7
Ending Cash (\$1,000)	105.4	33.1	-13.2	-46.4	-83.9
Net Worth (\$1,000)	882.6	843.0	827.1	819.5	814.0
Return on Assets (%)	8.4	0.1	2.4	2.2	1.9
P(Cash Flow Deficit) (%)	55.0	64.0	66.0	67.0	71.0
P(Refinancing) (%)	41.0	50.0	48.0	52.0	47.0
P(Decreasing RNW) (%)	1.0	54.0	61.0	53.0	48.0

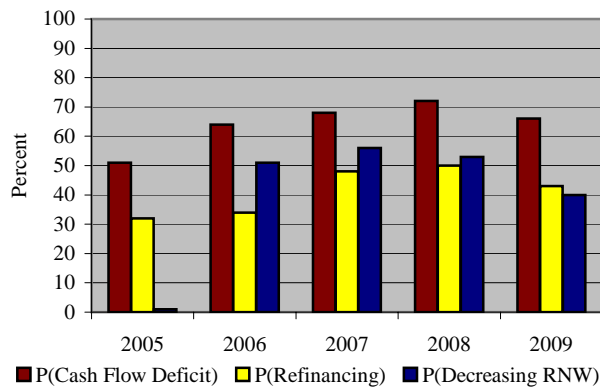
Producers participating in the panel include: Daniel Gavaronic, Joe Jenkins, Keith Johnson, Rob Kainer, Mark Malaer, and Dwain Nunley. Jeff Nunley serves as the facilitator.

# TXCB1850

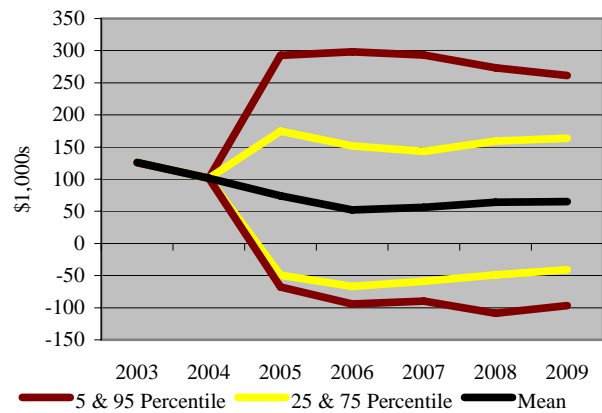
A 1,850-acre cotton farm located on the Texas Coastal Bend (San Patricio County) that farms 925 acres of cotton, 775 acres of sorghum, and 150 acres of corn annually. Seventy-four percent of 2004 cash receipts were generated by cotton.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	379.4	386.8	400.9	422.8	425.7
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	156.8	137.2	127.9	117.7	115.9
Total Receipts (\$1,000)	554.9	544.5	549.8	564.4	571.3
Total Expenses (\$1,000)	480.8	492.4	493.4	500.3	506.0
Net Cash Farm Income (\$1,000)	74.1	52.1	56.3	64.2	65.3
Ending Cash (\$1,000)	94.9	52.3	21.8	-11.2	-12.7
Net Worth (\$1,000)	883.8	878.4	873.3	864.7	900.1
Return on Assets (%)	9.8	7.0	6.5	5.6	9.0
P(Cash Flow Deficit) (%)	51.0	64.0	68.0	72.0	66.0
P(Refinancing) (%)	32.0	34.0	48.0	50.0	43.0
P(Decreasing RNW) (%)	1.0	51.0	56.0	53.0	40.0

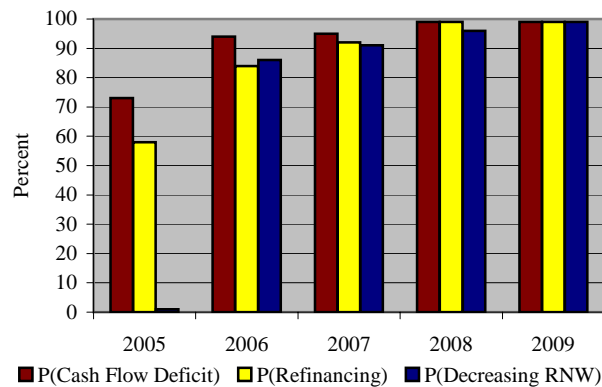
Producers participating in the panel include: Marvin Beyer, Jr., Brad Bickham, Clarence Chopelas, and Darby Salge. Larry Falconer and Jeffrey Stapper serve as facilitators.

# TXCB5500

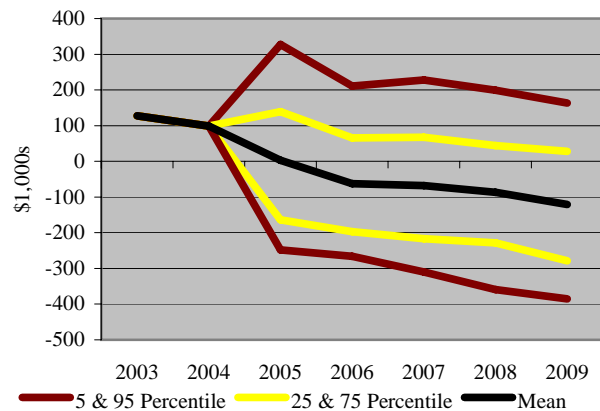
Nueces County, Texas is home to this 5,500-acre farm. Annually, 2,750 acres are planted to cotton and 2,750 acres to sorghum. Cotton sales accounted for 77 percent of 2004 receipts.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	809.2	850.3	881.4	927.3	933.4
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	466.5	412.3	380.2	345.5	350.1
Total Receipts (\$1,000)	1,315.1	1,308.1	1,312.3	1,324.5	1,331.1
Total Expenses (\$1,000)	1,312.2	1,370.9	1,380.2	1,411.0	1,452.0
Net Cash Farm Income (\$1,000)	2.9	-62.8	-67.9	-86.5	-120.9
Ending Cash (\$1,000)	-55.8	-276.4	-482.5	-751.6	-1,047.8
Net Worth (\$1,000)	783.4	599.4	442.9	227.4	1.3
Return on Assets (%)	-12.0	-15.2	-11.6	-10.3	-12.6
P(Cash Flow Deficit) (%)	73.0	94.0	95.0	99.0	99.0
P(Refinancing) (%)	58.0	84.0	92.0	99.0	99.0
P(Decreasing RNW) (%)	1.0	86.0	91.0	96.0	99.0

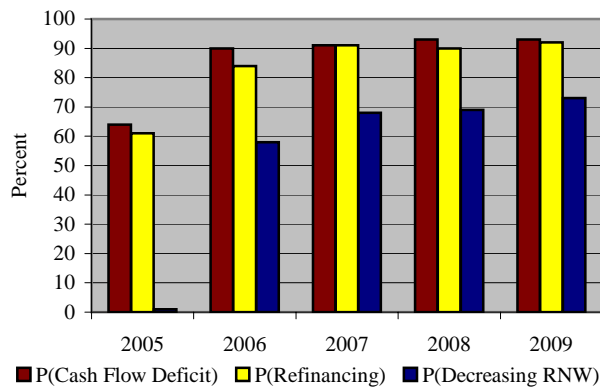
Producers participating in the panel include: Jimmy Dodson, Joel Hoskinson, Wayne Lambert, Larry McNair, and Mark Morris. Mark Miller serves as the facilitator.

# TXVC4500

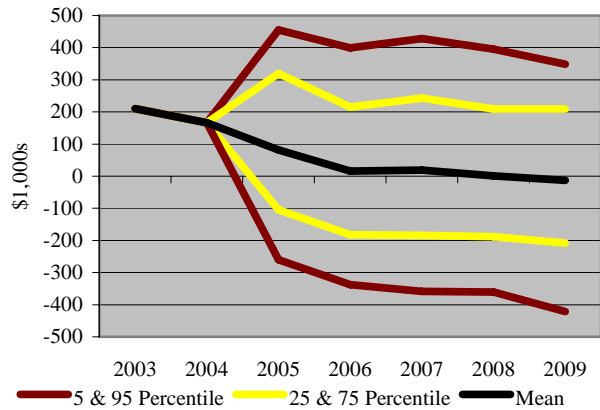
This 4,500-acre farm is located in the lower Rio Grande Valley of Texas (Willacy County) and plants 2,388 acres to cotton (500 irrigated and 1,888 acres dryland), 1,887 acres to sorghum, and 225 acres of sugarcane. In 2004, 74 percent of TXVC4500's cash receipts were generated by cotton sales.



**Probabilities of a Cash Flow Deficit, Refinancing, and Decreasing Real Net Worth**



**Net Cash Farm Income**



	2005	2006	2007	2008	2009
Market Receipts (\$1,000)	852.2	889.6	929.0	937.1	966.0
Livestock Receipts (\$1,000)	0.0	0.0	0.0	0.0	0.0
Government Payments (\$1,000)	432.1	383.0	349.1	327.9	326.9
Total Receipts (\$1,000)	1,356.6	1,351.3	1,360.3	1,347.9	1,372.2
Total Expenses (\$1,000)	1,275.0	1,335.8	1,341.0	1,347.0	1,385.1
Net Cash Farm Income (\$1,000)	81.6	15.5	19.3	0.9	-12.9
Ending Cash (\$1,000)	-79.6	-281.0	-434.4	-607.1	-776.5
Net Worth (\$1,000)	1,813.4	1,749.5	1,671.3	1,573.5	1,478.1
Return on Assets (%)	5.8	-1.6	-3.0	-2.8	-2.0
P(Cash Flow Deficit) (%)	64.0	90.0	91.0	93.0	93.0
P(Refinancing) (%)	61.0	84.0	91.0	90.0	92.0
P(Decreasing RNW) (%)	1.0	58.0	68.0	69.0	73.0

Producers participating in the panel include: Derrick Swanberg, Marshall Swanberg, Mitzi Swanberg-Anzaldua, and Mark Willis. Reagan Florence serves as the facilitator.