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# Representative Farms Economic

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## Outlook for the January 2007 FAPRI/AFPC Baseline

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### AFPC Working Paper 07-1

### February 2007

## Agricultural and Food Policy Center The Texas A&M University System



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# AFPC

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**REPRESENTATIVE FARMS ECONOMIC  
OUTLOOK FOR THE JANUARY 2007  
FAPRI/AFPC BASELINE**

AFPC Working Paper 07-1

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## Executive Summary

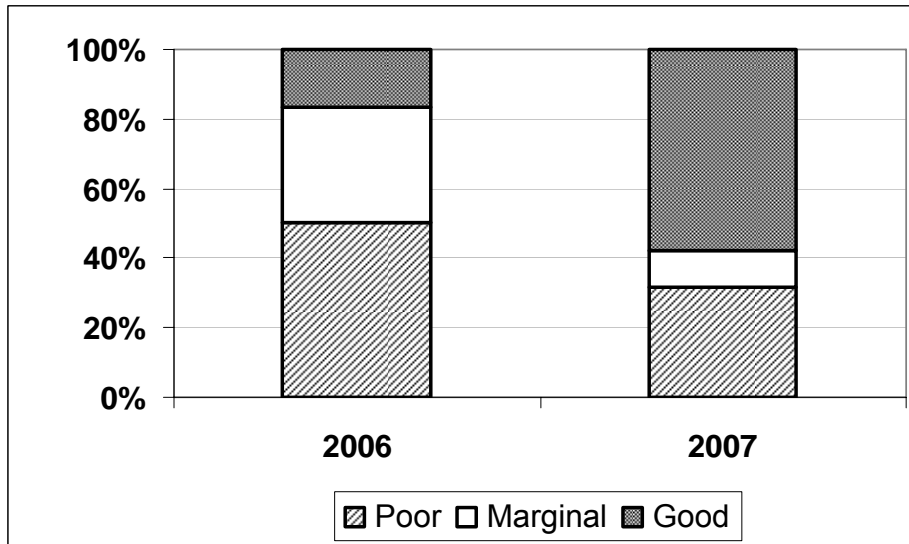
The Agricultural and Food Policy Center (AFPC) at Texas A&M University develops and maintains data to simulate 99 representative crop, dairy, and livestock operations in major production areas in 28 states. The chief purpose of this analysis is to project those farms' economic viability by region and commodity for 2007 through 2012. The data necessary to simulate the economic activity of these operations is developed through ongoing cooperation with panels of agricultural producers in each of these states. The Food and Agricultural Policy Research Institute (FAPRI) provided projected prices, policy variables, and input inflation rates in their January 2007 Baseline.

Under the January 2007 Baseline, 20 of the 64 crop farms are considered in good liquidity condition (less than a 25 percent chance of negative ending cash in 2012). Five crop farms have between a 25 percent and a 50 percent likelihood of negative ending cash. The remaining 39 crop farms have greater than a 50 percent chance of negative ending cash. Additionally, 30 of the 64 crop farms are considered in good equity position (less than a 25 percent chance of decreasing real net worth during the study period). Nine crop farms have between a 25 percent and 50 percent likelihood of losing real net worth, and 25 crop farms have greater than a 50 percent probability of decreasing real net worth. The following discussion provides an overall evaluation by commodity considering both liquidity and equity measures.

- **FEEDGRAIN FARMS:** Eleven of the 19 feedgrain farms are in good overall financial condition. Two can be considered to be in marginal condition, and six are in poor condition.
- **WHEAT FARMS:** Six of the 11 wheat farms are classified in good financial condition, five are marginal, and none are in poor condition.
- **COTTON FARMS:** Two of the 20 cotton farms are classified in good condition, five are in marginal condition, and 13 are in poor condition. Also, 12 of these farms have more than a 50 percent chance of losing real net worth by 2012.
- **RICE FARMS:** None of the 14 rice farms are in good condition, one is classified in marginal condition, and 13 farms are projected to be in poor financial condition through 2012.
- **DAIRY FARMS:** Nine of the 23 dairy farms are in good overall financial condition. Four are considered to be in marginal condition, and ten are in poor condition.
- **BEEF CATTLE RANCHES:** Four of the 12 cattle ranches are classified in good financial condition, eight are classified in marginal condition, and none are projected to be in poor condition.

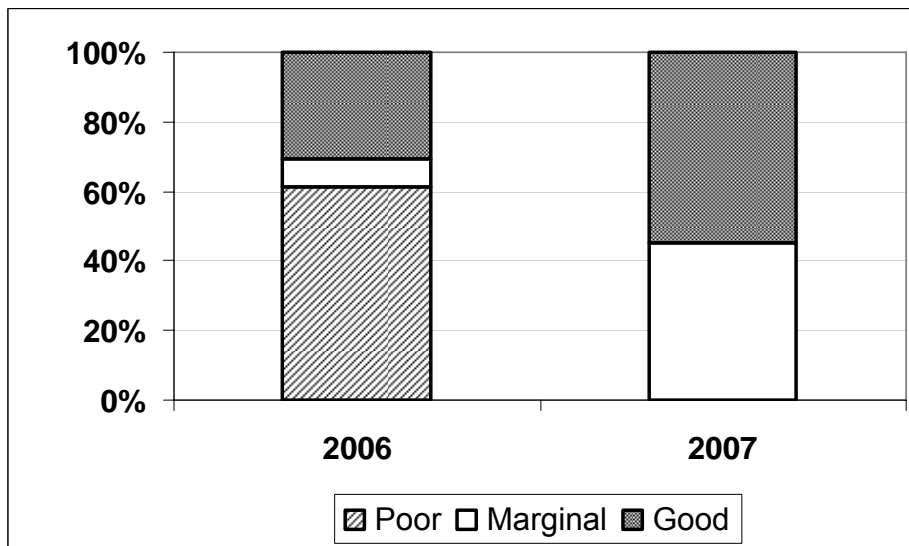
## Comparison of Projected Overall Economic Viability of Representative Farms, Dairies, and Ranches Between January 2006<sup>1</sup> and January 2007<sup>2</sup> FAPRI/AFPC Baselines

Figure 1. Feedgrain Farms



- The improvement in price projections, partially driven by increased ethanol production, helped increase the percentage of farms classified as *good*.
- The 2007 baseline indicates a significant improvement in financial viability of representative feedgrain farms with more than fifty percent of the farms in the *good* category.

Figure 2. Wheat Farms

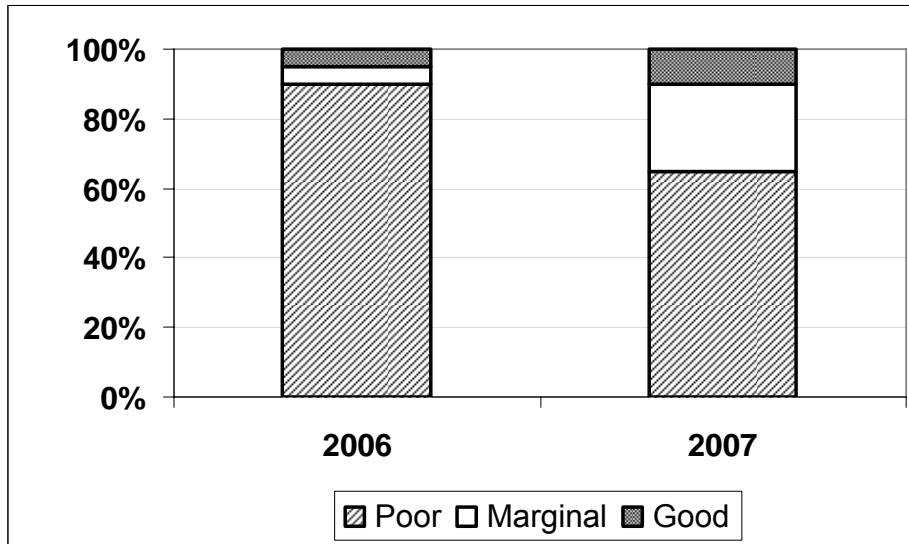


- Increased price projections contributed to the elimination of farms categorized as *poor*.
- The 2007 baseline representative wheat farms show marked improvement in the financial viability over the previous baselines.

<sup>1</sup> Projected overall economic viability for January 2006 Baseline is based on a 2006-2010 study period.

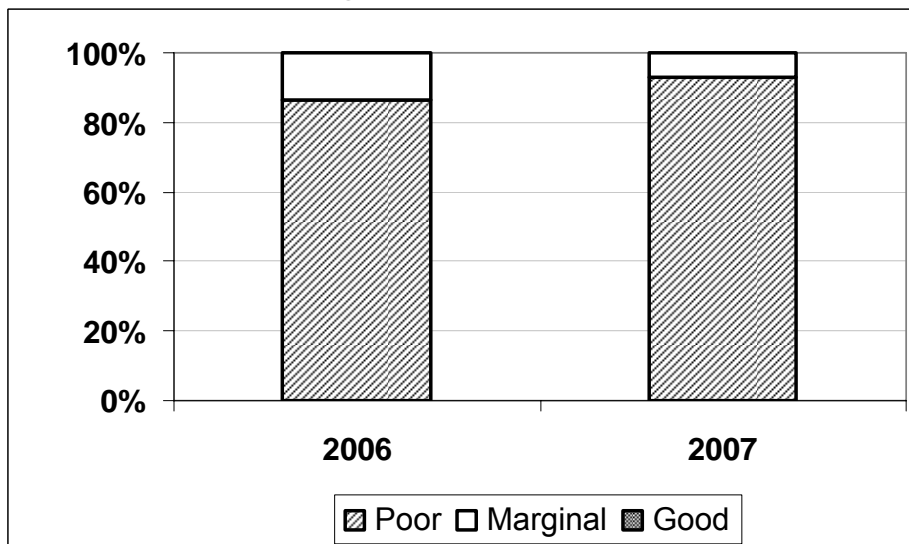
<sup>2</sup> Projected overall economic viability for January 2007 Baseline is based on a 2007-2012 study period.

**Figure 3. Cotton Farms**



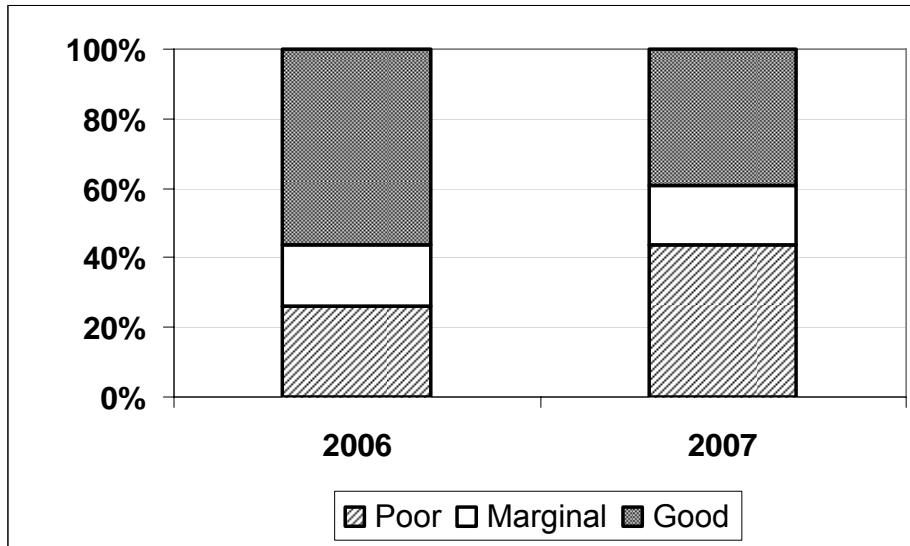
- The 2007 baseline results in modest improvement in the financial viability of the representative cotton farms.
- Cotton prices rise above the loan rate, reaching \$0.55 in 2008/09 and increasing to \$0.58 by 2012/13.

**Figure 4. Rice Farms**



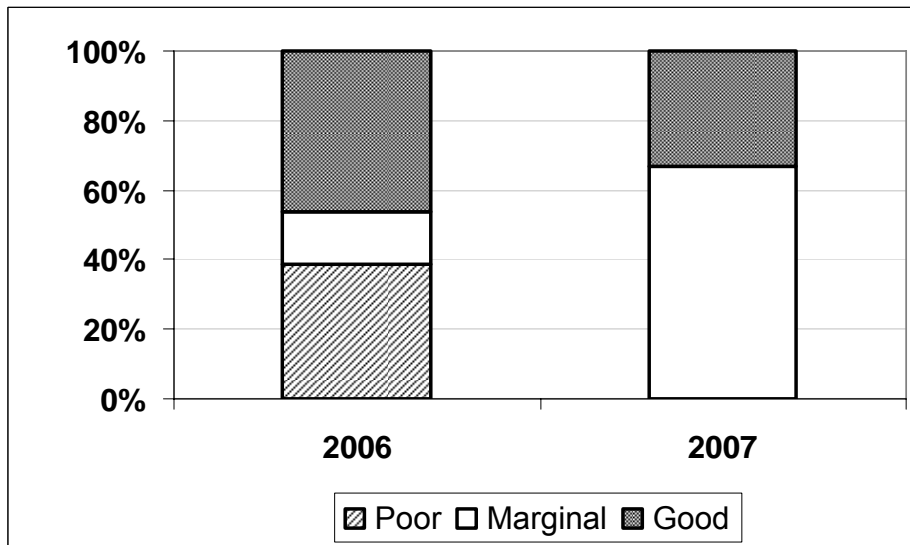
- The majority of representative rice farms continue to be classified as *poor*.
- Slight increases in projected prices are not enough to offset increasing costs of production.

**Figure 5. Dairies**



- Projected increases in feed prices combined with relatively flat milk prices result in a decline in the financial viability of the representative dairies.
- Milk prices are projected to gradually increase from \$14.21/cwt in 2007/08 to \$14.49 in 2012/13.

**Figure 6. Ranches**



- The number of ranches classified as *poor* is now zero; however, the number of ranches classified as *good* has also declined.
- While high corn prices have driven cattle prices lower, the opening of some export markets and slower expansion of the U.S. cowherd (due to drought) have dampened the price decline.



## **REPRESENTATIVE FARMS ECONOMIC OUTLOOK FOR THE JANUARY 2007 FAPRI/AFPC BASELINE**

The farm level economic impacts of the Farm Security and Rural Investment Act of 2002 (2002 Farm Bill) on representative crop, dairy, and livestock operations are projected in this report. The analysis was conducted over the 2007-2012 planning horizon using FLIPSIM, AFPC's whole farm simulation model. Data to simulate agricultural operations in the nation's major production regions came from two sources:

- Producer panel cooperation to develop economic information to describe and simulate representative crop, livestock, and dairy farms.
- Projected prices, policy variables, and input inflation rates from the Food and Agricultural Policy Research Institute (FAPRI) January 2007 Baseline.

The FLIPSIM policy simulation model incorporates the historical risk faced by agricultural producers for prices and production. This report presents the results of the January 2007 Baseline in a risk context using selected simulated probabilities and ranges for annual net cash farm income values. The probability of a farm experiencing a negative ending cash balance and the probability of a farm losing real net worth are included as indicators of the cash flow and equity risks facing producers through the year 2012.

This report is organized into ten sections. The first section summarizes the process used to develop the representative farms and the key assumptions utilized for the farm level analysis. The second section summarizes the FAPRI January 2007 Baseline and the policy and price assumptions used for the representative farm analyses. The third through sixth sections present the results of the simulation analyses for feed grain, wheat, cotton, and rice farms. The seventh and eighth sections summarize simulation results for dairy and cattle. Two appendices constitute the final sections of the report. Appendix A provides tables to summarize the physical and financial characteristics for each of the representative farms. Appendix B provides the names of producers, land grant faculty, and industry leaders who cooperated in the panel interview process to develop the representative farms.

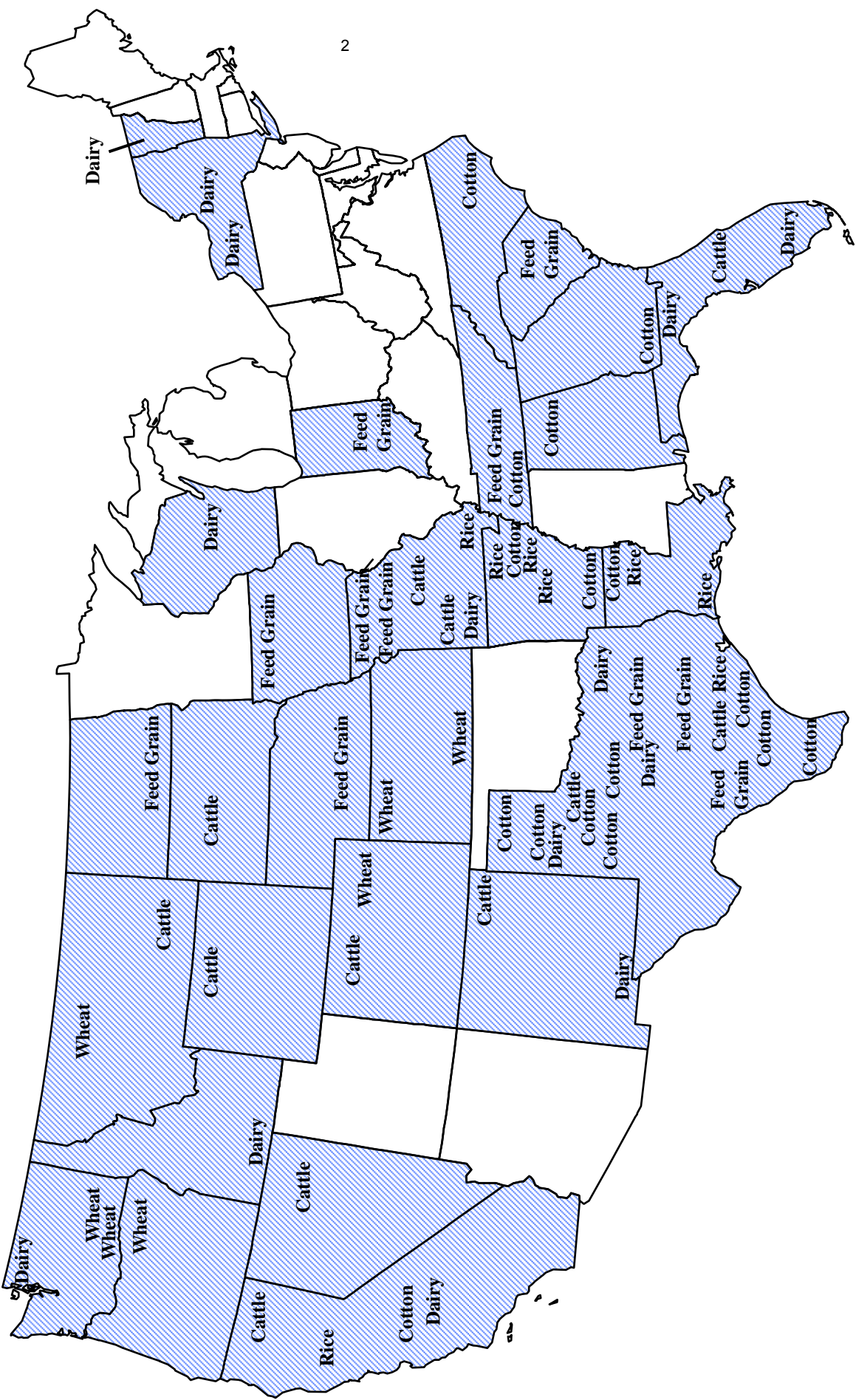
### **Panel Process**

AFPC has developed and maintains data to simulate 99 representative crop farms, dairies, and livestock operations chosen from major production areas across the United States (Figure 7). Characteristics for each of the operations in terms of location, size, crop mix, assets, and average receipts are summarized in Appendix A. The locations of these farms are primarily the results of discussions with staffers for the U.S. House and Senate Agriculture Committees. Information necessary to simulate the economic activity on these representative farms is developed from panels of producers using a consensus-building interview process. Normally two farms are developed in each region using separate panels of producers: one is representative of moderate size full-time farm operations, and the second panel usually represents farms two to three times larger.

The data collected from the panel farms are analyzed in the whole farm simulation model (FLIPSIM) developed by AFPC. The producer panels are provided pro-forma financial statements for their representative farm and are asked to verify the accuracy of simulated results for the past year and the reasonableness of a six-year projection. Each panel must approve the model's ability to reasonably reflect the economic activity on their representative farm prior to using the farm for policy analyses.

All farms used in the analysis have been updated through panel discussions since October 2002, with the majority being updated in the last two years. All of the crop farms are assumed to begin 2005 with 20 percent intermediate-term and long-term debt. Initial debt levels in 2005 for dairy farms were set at 30 percent and initial debt levels for beef cattle ranches were 1 percent for land and 5 percent for cattle and machinery. The debt levels the farms have at the outset of 2005 are based on a stratified tabulation of the ERS-USDA Farm

**Figure 7. Representative Farms and Ranches**



Cost and Returns Survey for 2004 (using the survey data for moderate to large size farms in states where AFPC has representative farms), and panel member input.

### **Key Assumptions**

- All farms classified as moderate scale are the size (acres or number of livestock) considered to be representative of a majority of full-time commercial farming operations in the study area. In many regions, a second farm two to three times larger than the moderate scale farm is developed as an indicator of size economies.
- The farm level simulation model incorporates price and yield risk faced by farmers. Historical yield variability for crops and production for livestock (sale weights, birth rates, and milk per cow) over the past ten years are assumed to prevail for the planning horizon. Random crop, livestock and milk prices are simulated using the January 2007 Baseline by FAPRI as the forecast of average prices. Prices reflect national price volatility caused by international production and demand as well as U.S. production risk.
- Historical crop yields (2006) were held constant based on actual values obtained from the producers. Crop yields for 2007-2012 were simulated stochastically based on the average yields provided by the producers and the historical yield variability for the farm. Prices were held constant at producer-provided values for 2006. FAPRI's January 2007 Baseline prices were localized for the farms and used as the average prices for 2007-2012 to simulate stochastic crop and livestock prices.
- Dairy and beef cattle herd sizes are held constant for all farms over the 2007-2012 planning horizon.
- The farms were structured so government payment limits were not effective at reducing direct, counter-cyclical, or loan deficiency payments.
- The farm is subject to owner/operator federal (income and self-employment) and applicable state income taxes as a sole proprietor, based on the current income tax provisions.
- No off-farm-related income, including family employment, was included in the analyses. Therefore, the farm reflects only the ability of the farm to provide for family living and capital replacement.
- Farm program parameters, average annual prices, crop and livestock yield trends, interest rates, and input cost inflation (deflation) are based on the January 2007 FAPRI Baseline which assumes continuation of the 2002 Farm Bill through 2012.
- Direct payments for participating cotton, wheat, feed grain, oilseed, and rice producers are made based on 85 percent of their historical base acreage times direct payment yield times a direct payment rate. The direct payment rate is included in the January 2007 FAPRI Baseline.
- Marketing loan provisions for cotton, rice, wheat, feed grains, soybeans, sunflowers, and dry peas were authorized in the 2002 Farm Bill and are assumed to be in place for the farm level analysis.
- Counter-cyclical payments are triggered by marketing year prices included in the January 2007 FAPRI Baseline.
- The milk support price remains at \$9.90/cwt. through 2012.
- Actual average loan deficiency payment (LDP) rates in the counties where the representative farms are located are used for 2006.
- All crop farms except rice are assumed to carry Multi-Peril Crop Insurance (MPCI) at the 65/100 level.

### **New and Updated Crop Farms, Dairies, and Ranches Since the December 2006 Baseline Update**

Since publication of the December 2006 AFPC Representative Farms Baseline Update, no new representative operations have been added to the national farm set. The southeast Missouri rice farm, MOER4500, has been discontinued. The following five farms/ranches have been updated:

MTW4500	Reduced planted acreage from 2,475 to 2,330, and now uses no-till production practices.
GAC2300	Increased acreage from 1,700 to 2,300, while maintaining a similar crop mix.
TXED450	Decreased herd size from 550 head to 450 head, and increased average production to 18,000 pounds.
TXED1000	Herd size remained the same, while total acres utilized decreased to 750.
COB250	Herd size remained the same and the annual percentage cull rate decreased.

### FAPRI January 2007 Baseline

Projected crop prices for FAPRI's January 2007 Baseline are summarized in Table 1. With the exceptions of wheat and rice, crop price projections are higher than they were in the December 2006 Baseline. Individual crop prices are projected to move as follows:

- Corn prices start at \$3.24/bu in 2007, reach a high of \$3.25/bu in 2009, and decline to \$3.15/bu by 2012.
- Wheat prices stay above \$4.00/bu throughout the planning horizon, ranging between \$4.07/bu and \$4.19/bu.
- Cotton prices steadily increase from \$0.5181/lb in 2007 to \$0.5819/lb by 2012.
- Rice prices start at \$8.09/cwt in 2007, and increase to a high of \$8.72/cwt by 2012.
- Sorghum prices are expected to remain relatively stable, ranging between \$2.97/bu and \$3.02/bu between 2007 and 2012.
- Soybeans are expected to range between \$6.68/bu and \$7.02/bu during the planning horizon.
- The U.S. all hay prices are expected to peak at \$109.77/ton in 2007, and stay above \$108.00/ton through 2012.

Assumed loan rates and direct payment rates are reported in Table 1, and reflect the rates authorized in the 2002 Farm Bill. All payment rates are assumed to remain constant at 2006 levels for 2007 through 2012.

Projected livestock prices and state and national milk prices for FAPRI's January 2007 Baseline are presented in Table 2. In general, beef cattle prices are projected to reach their lows in 2010, coinciding with cyclical expansion of the nation's beef cowherd. Projected price declines for feeder cattle are more severe through 2010, than they were in the December 2006 Baseline, but now stay above \$90.00/cwt throughout the planning horizon. Specifically, classes of cattle and milk prices are projected to move as follows:

- Feeder cattle prices are projected to decrease from \$109.17/cwt in 2007 to \$95.57/cwt in 2012, hitting their low of \$90.51/cwt in 2010.
- Cull cow prices start at \$47.88/cwt in 2007, decreasing to \$47.16/cwt by 2012.
- The U.S. all milk prices are projected to range from a low of \$14.21/cwt in 2007 to a high of \$14.50/cwt in 2011.

Projected annual rates of change for variable cash expenses are summarized in Table 3. The rate of change in input prices comes from FAPRI's January 2007 Baseline. Based on projections from Global Insight, annual interest rates paid for intermediate-term and long-term loans, and interest rates earned on savings are also reported in Table 3. Assumed annual rates of change in land values over the 2007-2012 period are provided by the FAPRI Baseline and are projected to range between a 2.96% and 8.34% per year.

**Table 1. FAPRI January 2007 Baseline Projections of Crop Prices, Loan Rates, and Direct Payment Rates, 2005-2012**

	2005	2006	2007	2008	2009	2010	2011	2012
<b>Crop Prices</b>								
Corn (\$/bu.)	2.00	3.16	3.24	3.24	3.25	3.22	3.19	3.15
Wheat (\$/bu.)	3.42	4.28	4.11	4.07	4.11	4.15	4.17	4.19
Cotton (\$/lb.)	0.4770	0.4813	0.5181	0.5538	0.5668	0.5743	0.5776	0.5819
Sorghum (\$/bu.)	1.86	3.09	2.97	2.98	3.01	3.02	3.02	3.01
Soybeans (\$/bu.)	5.66	6.10	6.68	7.02	7.01	6.90	6.83	6.76
Barley (\$/bu.)	2.53	2.94	3.21	3.20	3.18	3.13	3.10	3.06
Oats (\$/bu.)	1.63	1.90	1.91	1.93	1.93	1.93	1.91	1.90
Rice (\$/cwt.)	7.62	9.85	8.09	8.02	8.30	8.51	8.54	8.72
Soybean Meal (\$/ton)	166.14	171.63	178.67	177.72	173.62	169.75	167.79	165.67
All Hay (\$/ton)	98.20	110.66	109.77	108.68	108.99	109.53	109.39	108.59
Peanuts (\$/ton)	346	360	424.87	454.68	450.26	444.73	445.56	444.75
<b>Loan Rates</b>								
Corn (\$/bu.)	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
Wheat (\$/bu.)	2.75	2.75	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.)	1.95	1.95	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.)	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
Oats (\$/bu.)	1.33	1.33	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 January 2007 Baseline Projections of Livestock and Milk Prices, 2005-2012**

	2005	2006	2007	2008	2009	2010	2011	2012
<b>Cattle Prices</b>								
Feeder Cattle (\$/cwt)	120.02	117.59	109.17	102.22	95.64	90.51	91.54	95.57
Fat Cattle (\$/cwt)	87.28	85.41	85.61	85.91	84.36	82.36	82.40	83.08
Culled Cows (\$/cwt)	54.36	47.73	47.88	48.13	47.23	45.95	46.23	47.16
<b>Milk Prices -- National and State</b>								
All Milk Price (\$/cwt)	15.14	12.91	14.21	14.26	14.28	14.35	14.50	14.49
California (\$/cwt)	13.92	11.54	12.80	12.83	12.85	12.91	13.05	13.05
Florida (\$/cwt)	18.60	16.07	17.29	17.40	17.43	17.54	17.71	17.72
Idaho (\$/cwt)	14.00	11.93	13.18	13.28	13.31	13.41	13.58	13.59
Missouri (\$/cwt)	15.50	13.29	14.56	14.65	14.68	14.78	14.95	14.95
New Mexico (\$/cwt)	14.30	12.21	13.51	13.59	13.62	13.71	13.88	13.88
New York (\$/cwt)	15.90	13.40	14.72	14.79	14.82	14.90	15.07	15.08
Texas (\$/cwt)	15.30	13.31	14.61	14.69	14.72	14.81	14.97	14.98
Vermont (\$/cwt)	16.00	13.82	15.15	15.21	15.24	15.33	15.49	15.50
Washington (\$/cwt)	14.90	12.63	14.02	14.07	14.09	14.16	14.32	14.33
Wisconsin (\$/cwt)	15.60	13.34	14.58	14.68	14.72	14.82	14.99	15.00

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

**Table 3. FAPRI January 2007 Baseline Assumed Rates of Change in Input Prices, Annual Interest Rates, and Annual Changes in Land Values, 2006-2012**

	2006	2007	2008	2009	2010	2011	2012
<b>Annual Rate of Change for Input Prices Paid</b>							
Seed Prices (%)	8.03	3.60	2.18	1.45	1.49	1.66	1.40
All Fertilizer Prices (%)	3.77	5.57	4.59	-1.20	-0.95	-0.32	-1.05
Herbicide Prices (%)	3.71	1.80	1.73	1.19	1.08	1.29	1.09
Insecticide Prices (%)	3.06	0.97	0.80	0.70	1.42	1.72	1.46
Fuel and Lube Prices (%)	8.08	0.89	1.70	-0.75	-0.51	-1.17	-1.41
Machinery Prices (%)	4.04	3.39	3.00	1.71	1.81	2.10	2.08
Wages (%)	2.72	3.14	2.22	2.75	2.96	3.09	3.12
Supplies (%)	5.11	3.68	4.07	3.13	2.22	2.03	1.61
Repairs (%)	3.38	2.87	2.43	2.40	2.47	2.60	2.51
Services (%)	4.14	2.30	1.90	1.30	1.88	2.11	2.03
Taxes (%)	2.59	4.24	2.95	2.04	2.08	2.65	1.44
PPI Items (%)	3.53	5.11	1.77	0.82	0.81	1.08	0.74
PPI Total (%)	3.64	4.70	2.03	1.37	1.15	1.37	1.06
<b>Annual Change in Consumer Price Index (%)</b>	3.27	2.18	2.01	1.79	1.76	1.84	1.94
<b>Annual Interest Rates</b>							
Long-Term (%)	5.81	5.89	6.24	6.73	6.87	6.97	7.06
Intermediate-Term (%)	4.70	4.77	5.05	5.44	5.56	5.65	5.72
Savings Account (%)	1.61	1.63	1.73	1.86	1.90	1.93	1.96
<b>Annual Rate of Change for U.S. Land Prices (%)</b>	15.15	7.56	7.78	8.34	3.36	2.96	3.05

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



### Definitions of Variables in the Summary Tables

- **Overall Financial Position, 2007-2012** -- As a means of summarizing the representative farms' economic efficiency, liquidity, and solvency position, AFPC classifies each farm as being in either a good, marginal or poor position. AFPC assumes a farm is in a good financial position when it has less than a 25 percent chance of a negative ending cash balance and a less than 25 percent chance of losing real net worth. If the probabilities of these events are between 25 and 50 percent the farm is classified as marginal. A probability greater than 50 percent places the farm in a poor financial position.
- **Change in Real Net Worth, 2007-2012** -- Annualized percentage change in the operator's net worth from January 1, 2007 through December 31, 2012, after adjusting for inflation. This value reflects the real annualized increase or decrease in net worth or equity for the farm over the planning horizon including changes in real estate values.
- **Net Income Adjustment (NIA) to Maintain Real Net Worth, 2007-2012** -- NIA is the annual change in net cash farm income necessary to insure the farm maintains its real net worth during 2007-2012. A positive NIA indicates the additional annual net income needed to maintain real net worth. A negative NIA indicates the annual loss in net income the farm can endure and still maintain real net worth.
- **Net Income Adjustment (NIA) for Zero Ending Cash Balance in 2012** -- NIA is the loss in annual net cash farm income a farm can withstand and have a zero ending cash balance in 2012. A positive NIA indicates the annual increase in receipts necessary for a zero ending cash balance, while a negative NIA indicates the annual decrease in receipts that results in a zero ending cash balance.
- **Government Payments/Receipts, 2007-2012** -- Sum of all farm program payments (counter-cyclical, direct, and marketing loan gains/loan deficiency payments) divided by total receipts received from the market plus counter-cyclical, direct, and marketing loan gains/loan deficiency payments, crop insurance indemnities, and other farm related receipts.
- **Total Cash Receipts** -- Sum of annual cash receipts from all sources, including market sales, counter-cyclical and direct payments, marketing loan gains/loan deficiency payments, crop insurance indemnities, and other farm related receipts.
- **Government Payments** -- Sum of annual counter-cyclical payments, direct payments, and marketing loan gains/loan deficiency payments for crops and the milk income loss contract (MILC) program payment for dairy farms. Also included are lump sum disaster payments for livestock.
- **Net Cash Farm Income** -- Equals total cash receipts minus all cash expenses. Net cash farm income is used to pay family living expenses, principal payments, income taxes, self employment taxes, and machinery replacement costs. The values in the tables are the averages for each year in the planning horizon.
- **Probability of Negative Ending Cash Balance** -- Is the number of times out of 100 that the farm's ending cash reserves before borrowing are less than zero. This probability is reported for each year to indicate how the cash flow risk for the farm changes over the planning horizon.
- **Ending Cash Reserves** -- Equals total cash on hand at the end of the year. Ending cash equals beginning cash reserves plus net cash farm income and interest earned on cash reserves less principal payments, federal taxes (income and self employment), state income taxes, family living withdrawals, and actual machinery replacement costs (not depreciation).
- **Nominal Net Worth** -- Equity at the end of each year equals total assets including land minus total debt from all sources. Nominal net worth is not adjusted for inflation and averages are reported for each year in the planning horizon.
- **Probability of Decreasing Real Net Worth Over 2005-2012** -- Is the number of times out of 100 that real net worth at the end of 2012 is less than real net worth at the start of 2005.



# Figure 8. Representative Farms Producing Feed Grains and Oilseeds

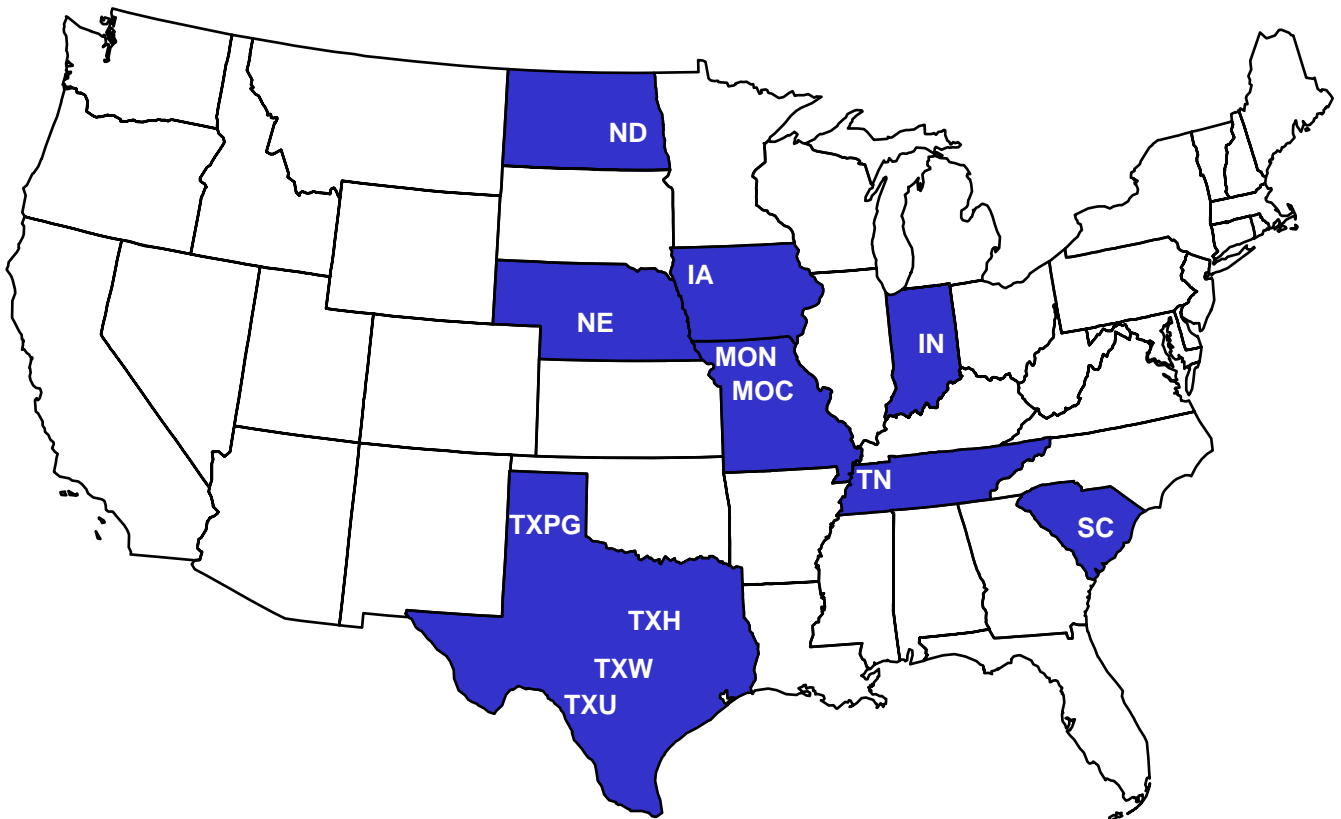


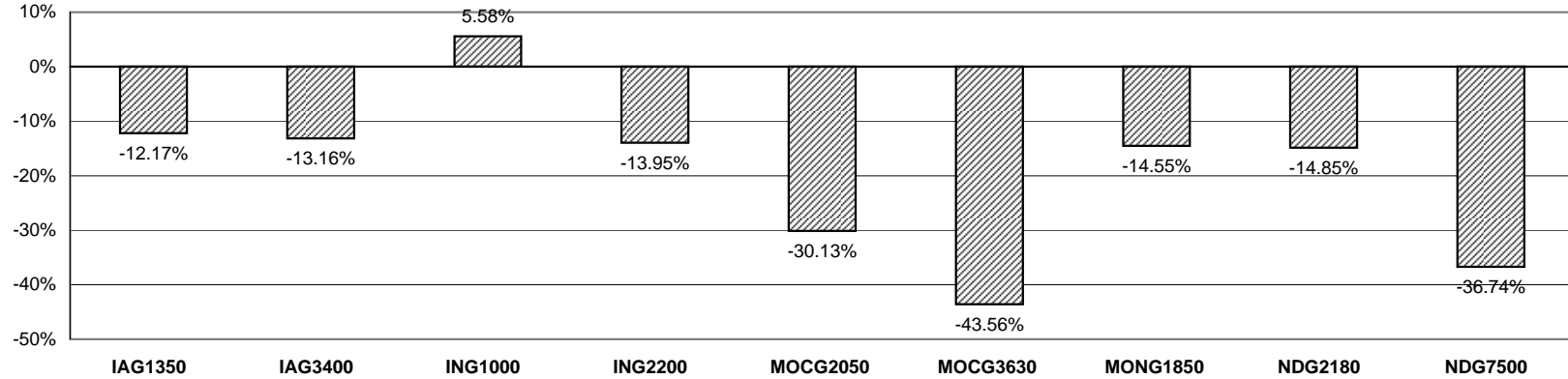


Table 5. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Feed Grains and Oilseeds.

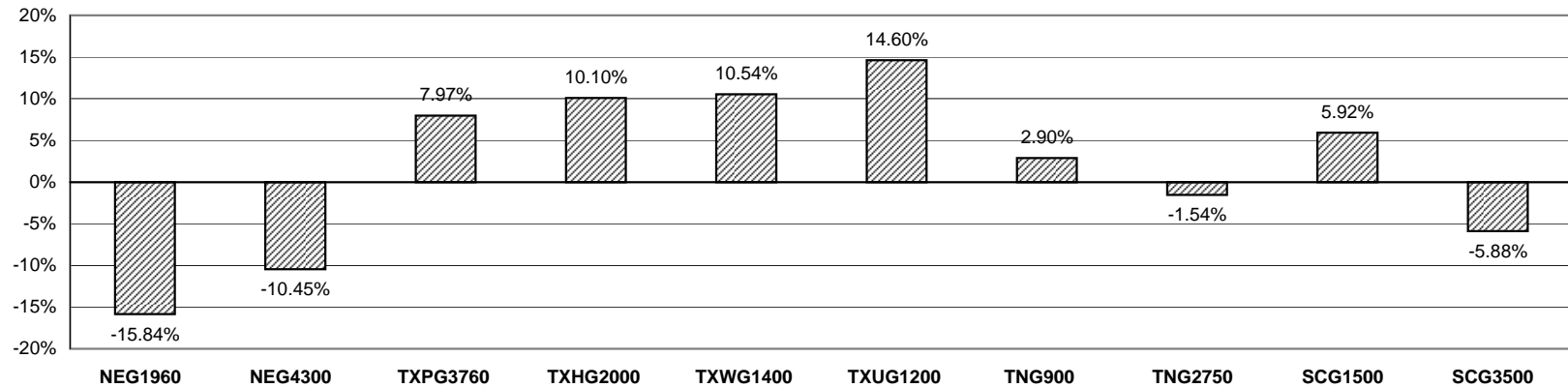
	ING1000	ING2200	TXPG3760	TXHG2000	TXWG1400	TXUG1200	TNG900	TNG2750	SCG1500	SCG3500
<b>Overall Financial Position</b>										
2007-2012 Ranking	Marginal	Good	Poor	Poor	Poor	Poor	Poor	Marginal	Poor	Good
<b>Change Real Net Worth (%)</b>										
2007-2012 Average	4.72	6.15	0.90	0.00	0.82	-49.83	1.37	5.52	1.99	6.22
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>										
	-28.20	-46.00	-2.08	-1.52	-3.49	9.49	-5.21	-24.05	-5.48	-26.99
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>										
	5.58	-13.95	7.97	10.10	10.54	14.60	2.90	-1.54	5.92	-5.87
<b>Govt Payments/Receipts (%)</b>										
2007-2012 Average	5.10	4.70	8.80	9.05	12.83	10.32	3.71	3.86	12.55	10.30
<b>Cost to Receipts Ratio (%)</b>										
2007-2012 Average	76.88	70.51	97.66	95.82	93.90	101.43	87.60	68.68	93.30	84.51
<b>Total Cash Receipts (\$1000)</b>										
2005	352.90	856.14	2,234.25	422.86	307.43	645.45	253.15	807.46	532.79	1,384.91
2006	403.32	960.81	2,425.46	506.40	359.54	709.80	300.63	940.29	626.89	1,589.25
2007	414.01	982.95	2,482.13	502.53	368.07	711.33	310.04	980.54	645.01	1,616.06
2008	426.23	1,009.08	2,514.18	504.88	364.54	721.39	317.77	1,011.11	649.87	1,642.21
2009	430.33	1,019.40	2,539.73	506.22	365.80	728.08	321.88	1,023.83	648.97	1,646.00
2010	432.74	1,024.23	2,568.49	509.58	364.76	737.30	324.07	1,027.97	653.57	1,666.01
2011	432.88	1,026.30	2,573.11	507.86	363.88	740.71	324.49	1,030.18	654.17	1,665.85
2012	435.36	1,035.21	2,599.14	509.03	365.42	746.51	328.25	1,040.57	659.97	1,682.25
2007-2012 Average	428.59	1,016.20	2,546.13	506.68	365.41	730.89	321.08	1,019.04	651.93	1,653.06
<b>Government Payments (\$1000)</b>										
2005	62.76	157.40	508.11	117.23	92.56	157.01	43.68	108.79	141.70	332.31
2006	33.44	75.36	355.51	67.36	61.39	113.59	18.66	52.98	102.20	230.08
2007	20.64	45.23	271.45	49.78	53.36	90.49	11.12	36.74	91.38	185.45
2008	20.87	45.71	236.16	45.75	47.83	78.23	11.30	37.48	83.03	169.96
2009	20.82	45.59	220.32	43.81	44.90	73.20	11.25	37.19	77.90	161.43
2010	21.23	46.50	210.31	42.50	43.17	69.97	11.45	38.14	75.72	157.59
2011	21.45	47.01	201.26	41.50	41.66	67.37	11.67	38.84	73.79	154.31
2012	21.70	47.53	191.90	40.98	40.94	64.74	11.80	39.24	72.87	152.41
2007-2012 Average	21.12	46.26	221.90	44.05	45.31	74.00	11.43	37.94	79.11	163.53
<b>Net Cash Farm Income (\$1000)</b>										
2005	61.23	212.51	64.41	6.10	15.15	2.18	12.49	197.52	9.31	165.64
2006	101.09	287.71	135.03	70.16	53.15	32.73	46.13	296.51	69.38	304.22
2007	105.00	299.04	146.26	57.26	52.97	21.62	49.14	328.43	76.01	300.89
2008	110.29	310.39	115.44	51.26	41.54	15.68	52.01	338.31	66.86	298.91
2009	108.47	319.33	116.25	42.87	37.61	13.64	50.27	348.04	58.57	294.60
2010	108.77	324.02	115.37	32.02	27.65	2.75	48.76	338.04	53.33	308.80
2011	109.30	326.87	96.15	26.09	22.95	-8.25	48.14	337.69	45.34	300.94
2012	108.12	328.52	93.29	19.76	17.96	-29.06	48.65	346.57	44.03	311.04
2007-2012 Average	108.32	318.03	113.79	38.21	33.44	2.73	49.49	339.51	57.36	302.53
<b>Ending Cash Reserves (\$1000)</b>										
2005	-10.30	78.10	-94.33	-61.38	-28.43	-51.79	-32.34	-16.40	-30.02	33.83
2006	6.34	178.61	-131.26	-53.70	-14.92	-81.17	-25.93	14.93	-9.88	139.53
2007	-5.83	264.15	-219.23	-78.17	-17.71	-144.23	-26.51	36.42	-2.56	155.57
2008	7.47	345.99	-339.40	-83.99	-28.89	-169.17	-10.56	82.31	-3.08	209.60
2009	-17.25	417.91	-461.91	-112.06	-50.60	-209.24	-10.53	121.74	-30.28	240.80
2010	-41.38	475.18	-610.42	-157.64	-94.11	-319.66	-21.29	53.83	-64.75	287.67
2011	-65.89	524.82	-757.83	-213.69	-137.93	-432.27	-33.29	76.50	-129.20	324.30
2012	-106.36	546.10	-935.15	-286.97	-203.35	-600.19	-50.83	57.21	-182.11	382.19
<b>Nominal Net Worth (\$1000)</b>										
2005	1,610.53	4,079.29	2,124.59	849.28	597.72	253.50	769.31	2,236.64	829.89	3,858.73
2006	1,851.19	4,782.72	2,396.84	948.85	676.43	237.19	824.93	2,566.30	939.21	4,586.05
2007	1,993.30	5,241.80	2,524.39	987.20	714.61	203.17	851.91	2,806.05	1,005.67	4,991.39
2008	2,152.03	5,726.94	2,599.84	1,023.45	744.02	162.96	886.57	3,022.20	1,065.74	5,463.78
2009	2,319.82	6,274.46	2,719.43	1,050.49	777.85	116.09	914.47	3,283.24	1,121.16	5,974.03
2010	2,400.21	6,579.85	2,707.21	1,037.62	768.94	30.71	917.87	3,427.58	1,125.61	6,273.42
2011	2,474.73	6,870.81	2,707.15	1,013.62	759.96	-51.48	919.35	3,595.33	1,130.30	6,539.60
2012	2,551.53	7,160.64	2,662.60	989.92	749.84	-185.58	921.05	3,726.45	1,124.17	6,835.97
<b>Prob. of Negative Ending Cash (%)</b>										
2007	52	1	75	81	65	95	68	30	54	21
2008	43	1	76	73	63	92	56	25	50	18
2009	55	1	80	74	68	92	55	23	58	21
2010	66	1	84	76	76	97	53	38	67	21
2011	73	1	85	81	81	99	55	37	76	21
2012	79	2	89	85	89	99	60	42	81	20
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>										
	1	1	29	34	19	98	28	1	15	1

## Figure 9. Feed Grain and Oilseed Farms

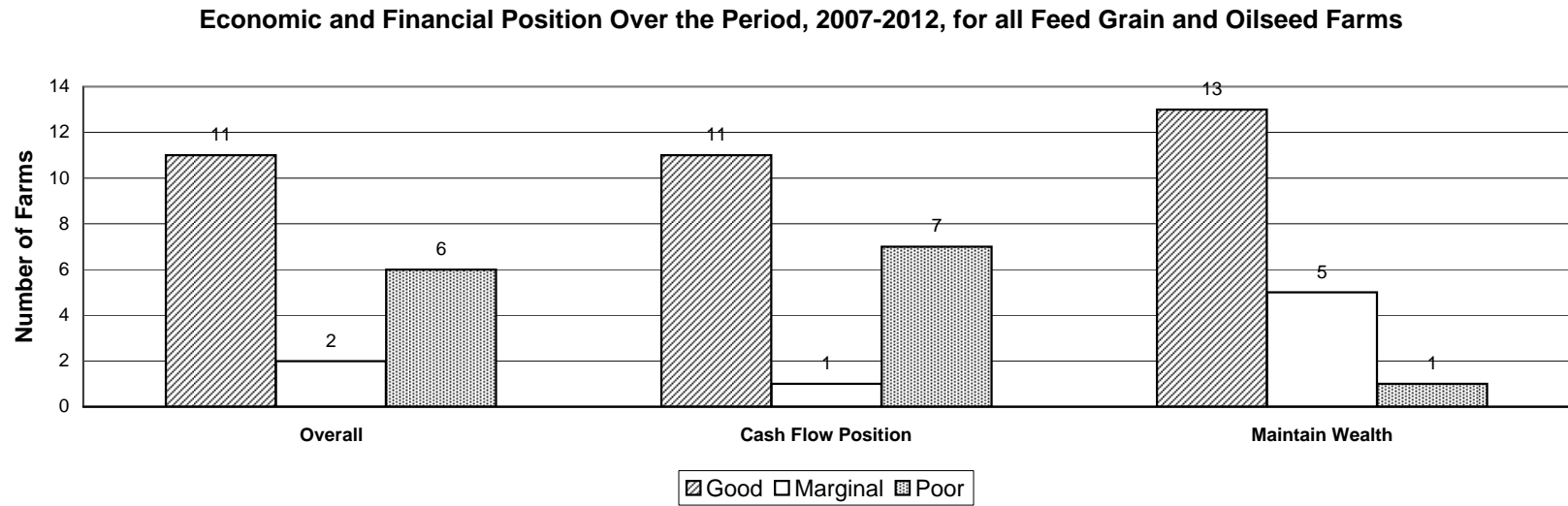
Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012



Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012



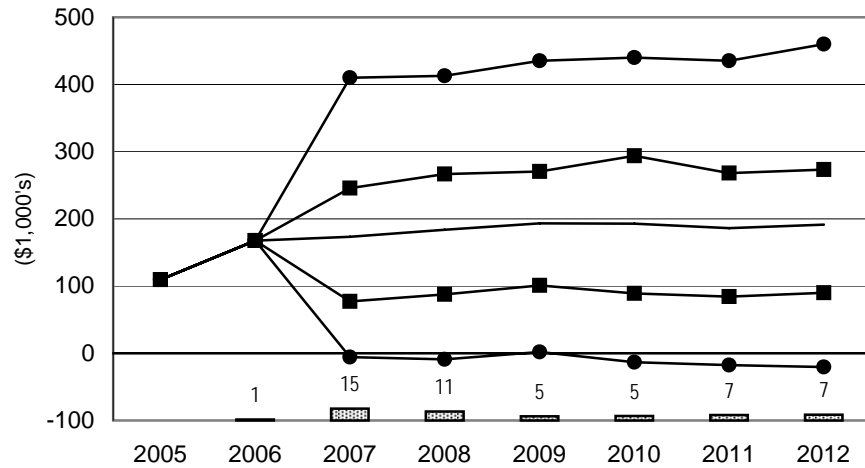
## Figure 10. Feed Grain and Oilseed Farms



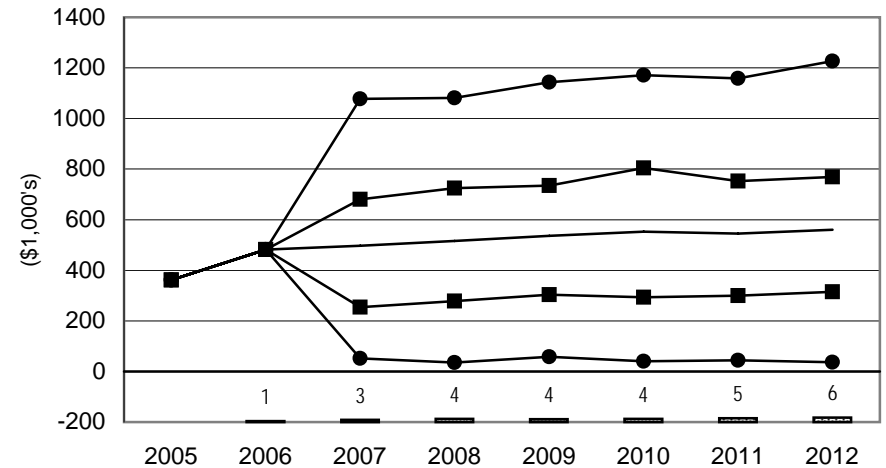
**Figure 11. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Feed Grain and Oilseed Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

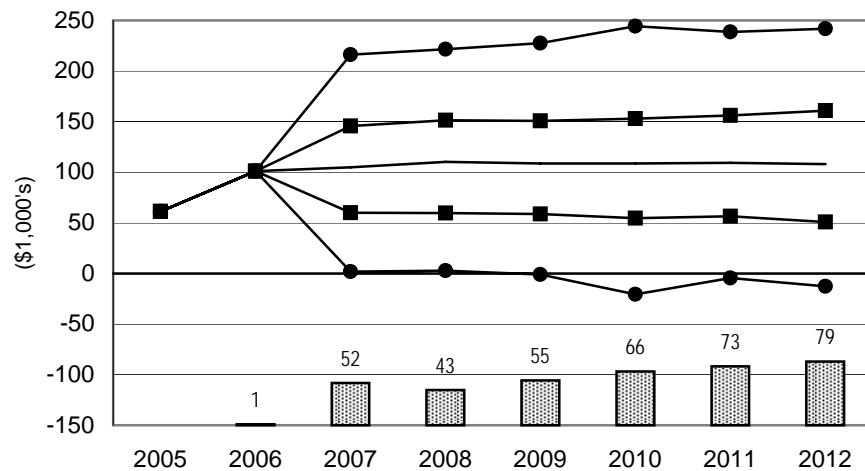
**IAG1350 Iowa Grain Farm**



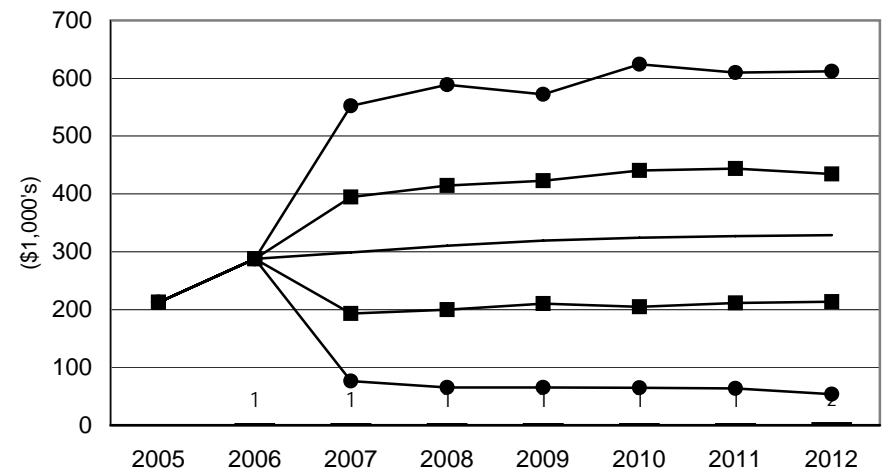
**IAG3400 Large Iowa Grain Farm**



**ING1000 Indiana Grain Farm**



**ING2200 Large Indiana Grain Farm**

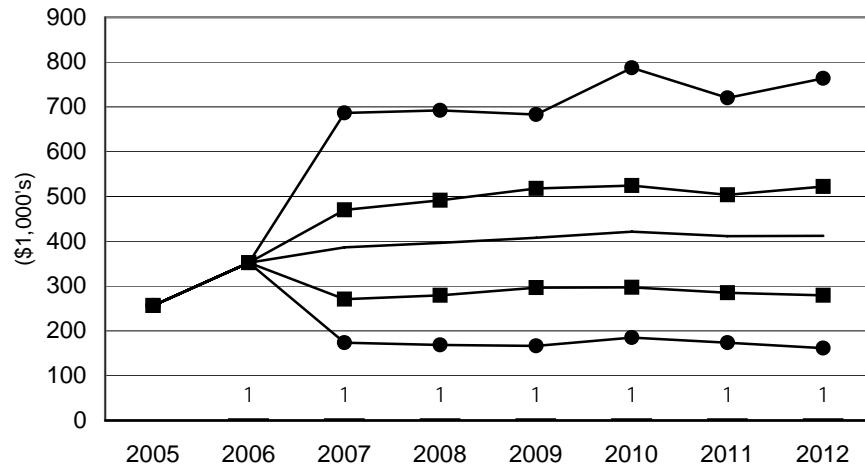




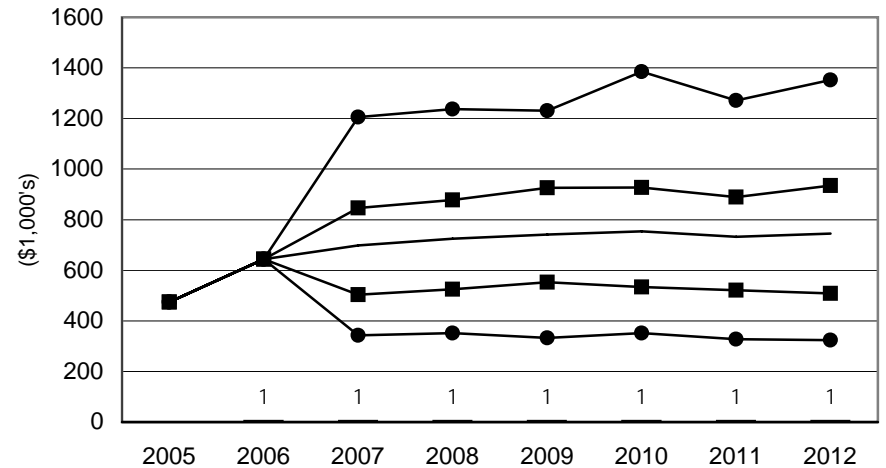
**Figure 12. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Feed Grain and Oilseed Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

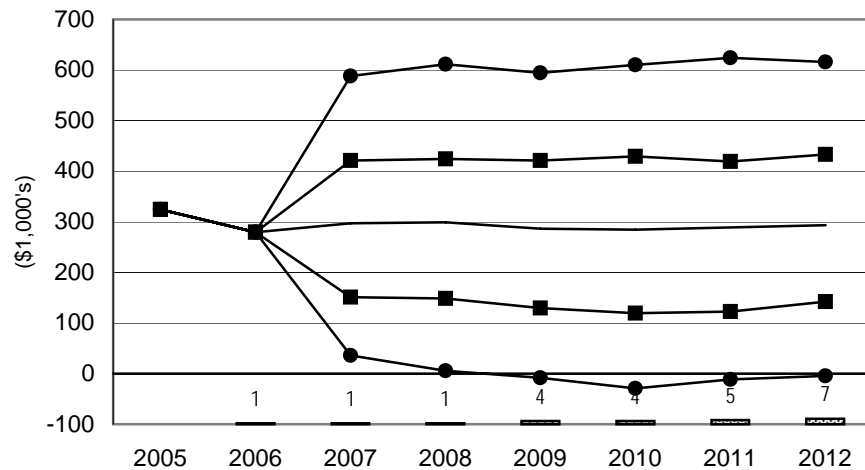
**MOCG2050 Central Missouri Grain Farm**



**MOCG3630 Large Central Missouri Grain Farm**



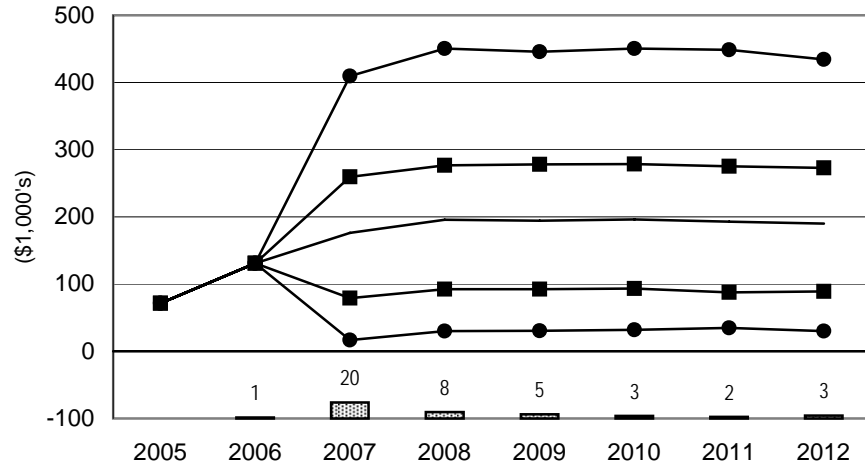
**MONG1850 Northwest Missouri Grain Farm**



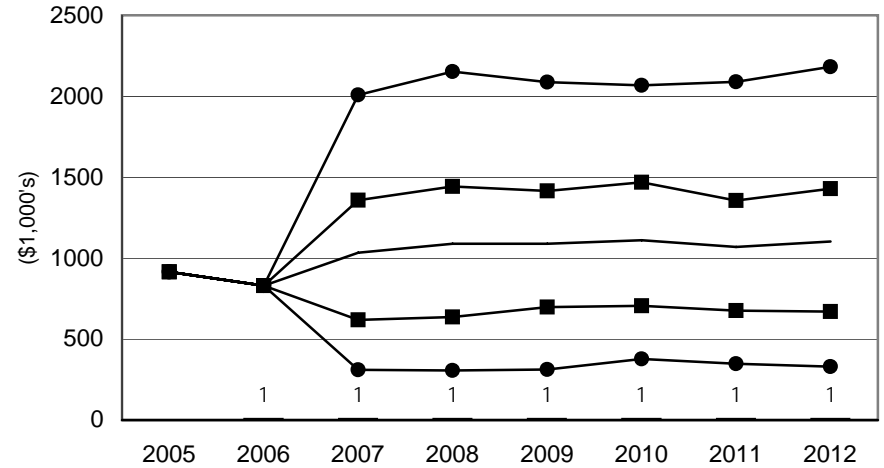
**Figure 13. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Feed Grain and Oilseed Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

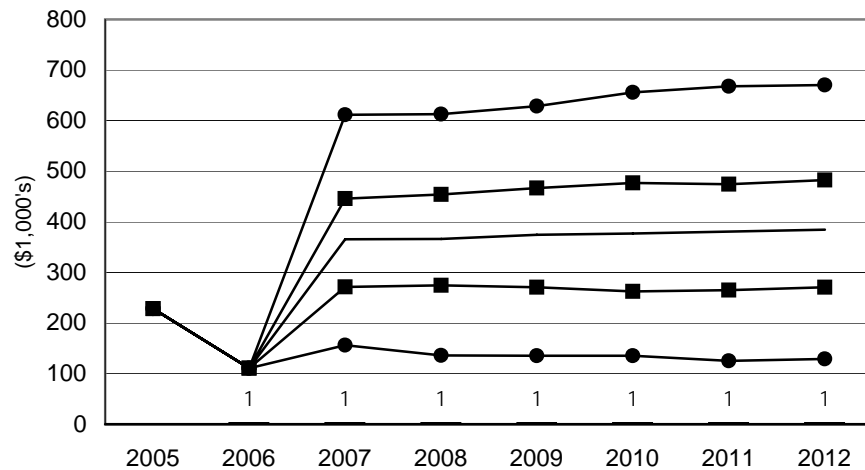
**NDG2180 North Dakota Grain Farm**



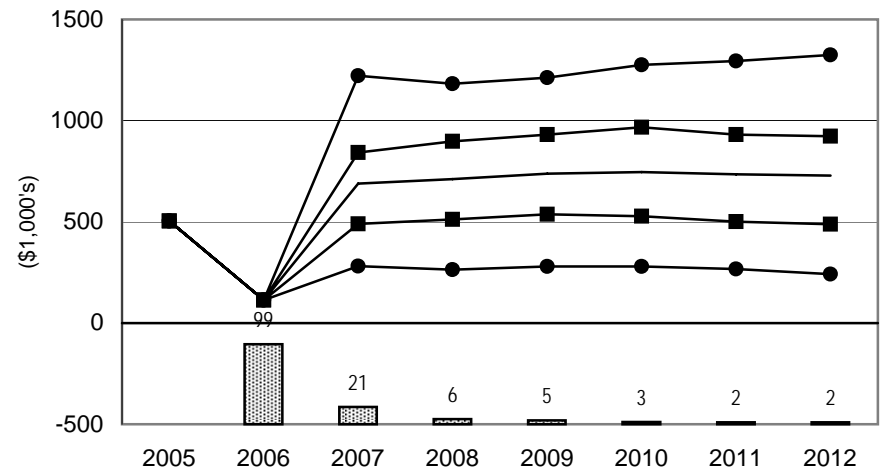
**NDG7500 Large North Dakota Grain Farm**



**NEG1960 Nebraska Grain Farm**



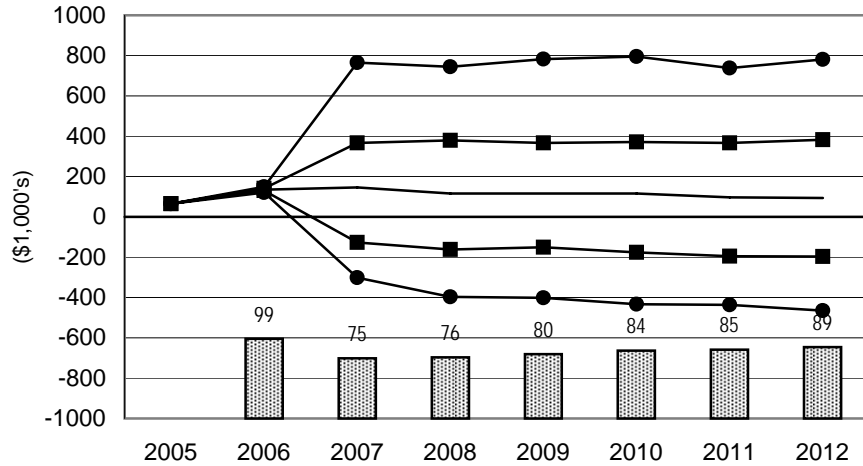
**NEG4300 Large Nebraska Grain Farm**



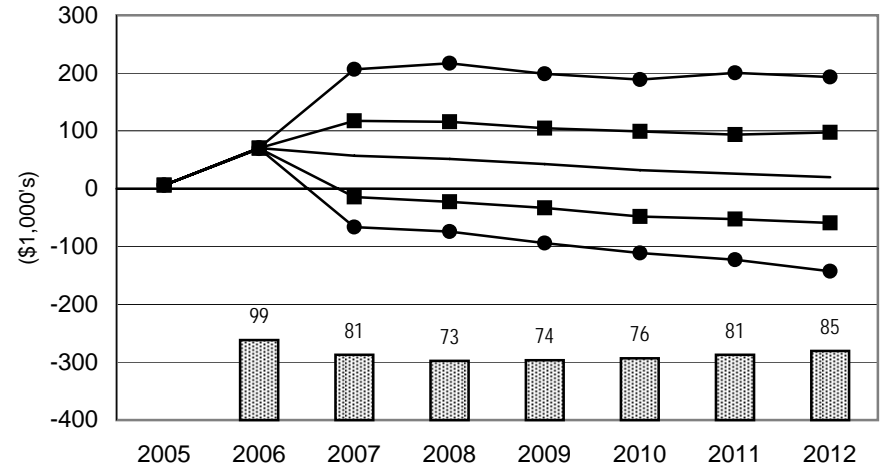
**Figure 14. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Feed Grain and Oilseed Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

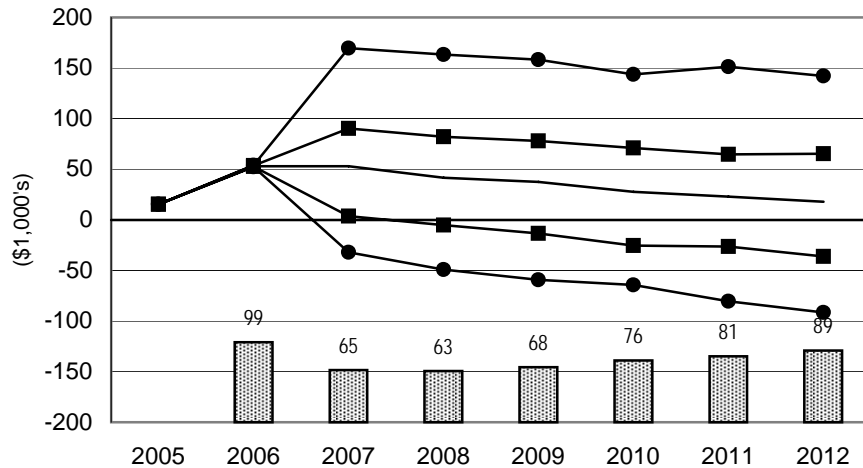
**TXPG3760 Texas Panhandle Grain Farm**



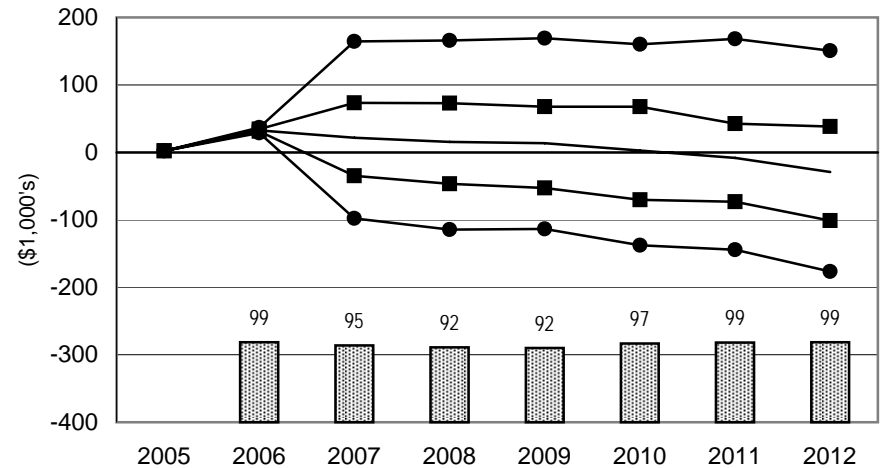
**TXHG2000 Texas North Blacklands Grain Farm**



**TXWG1400 Texas South Blacklands Grain Farm**



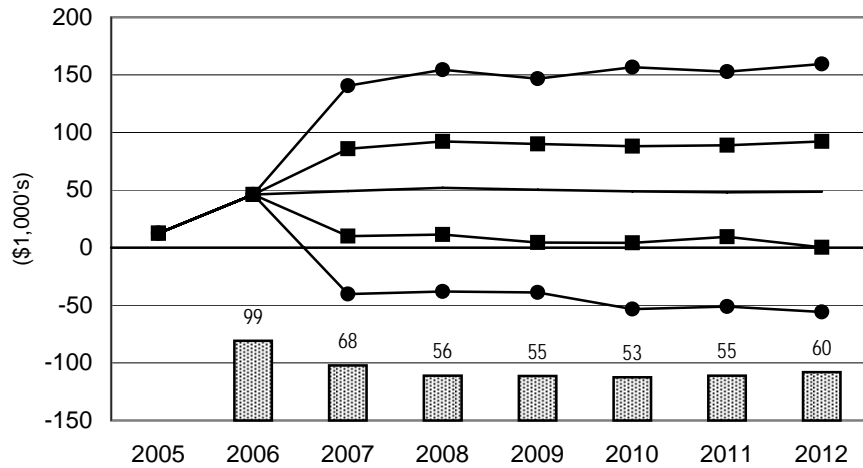
**TXUG1200 Uvalde Texas Grain Farm**



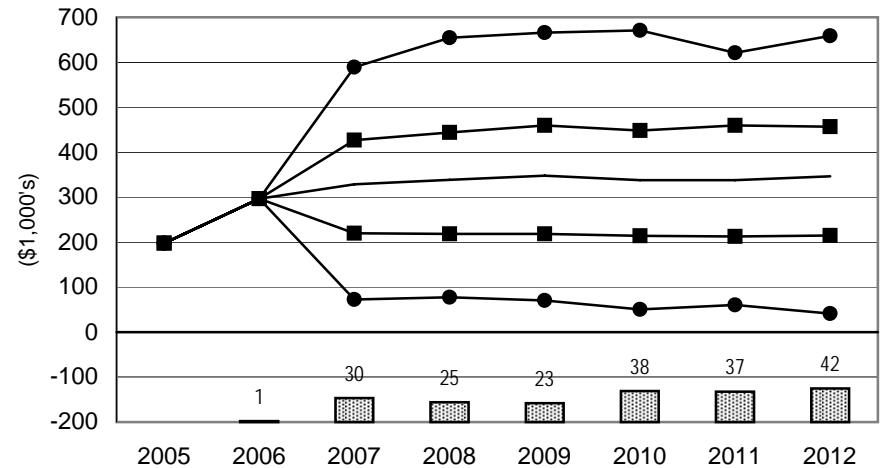
**Figure 15. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Feed Grain and Oilseed Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

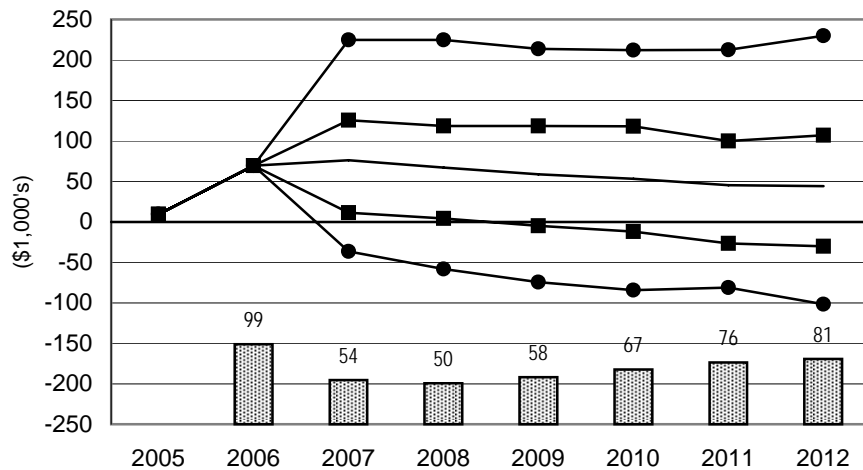
**TNG900 Tennessee Grain Farm**



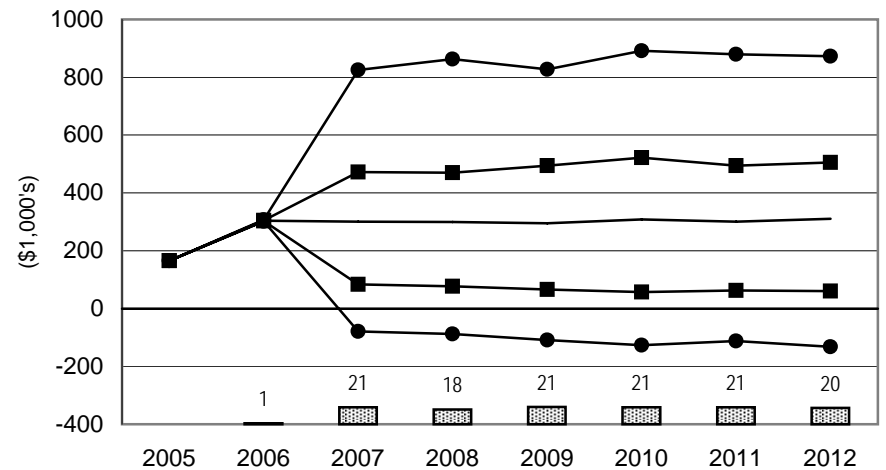
**TNG2750 Large Tennessee Grain Farm**



**SCG1500 South Carolina Grain Farm**



**SCG3500 Large South Carolina Grain Farm**



# Figure 16. Representative Farms Producing Wheat

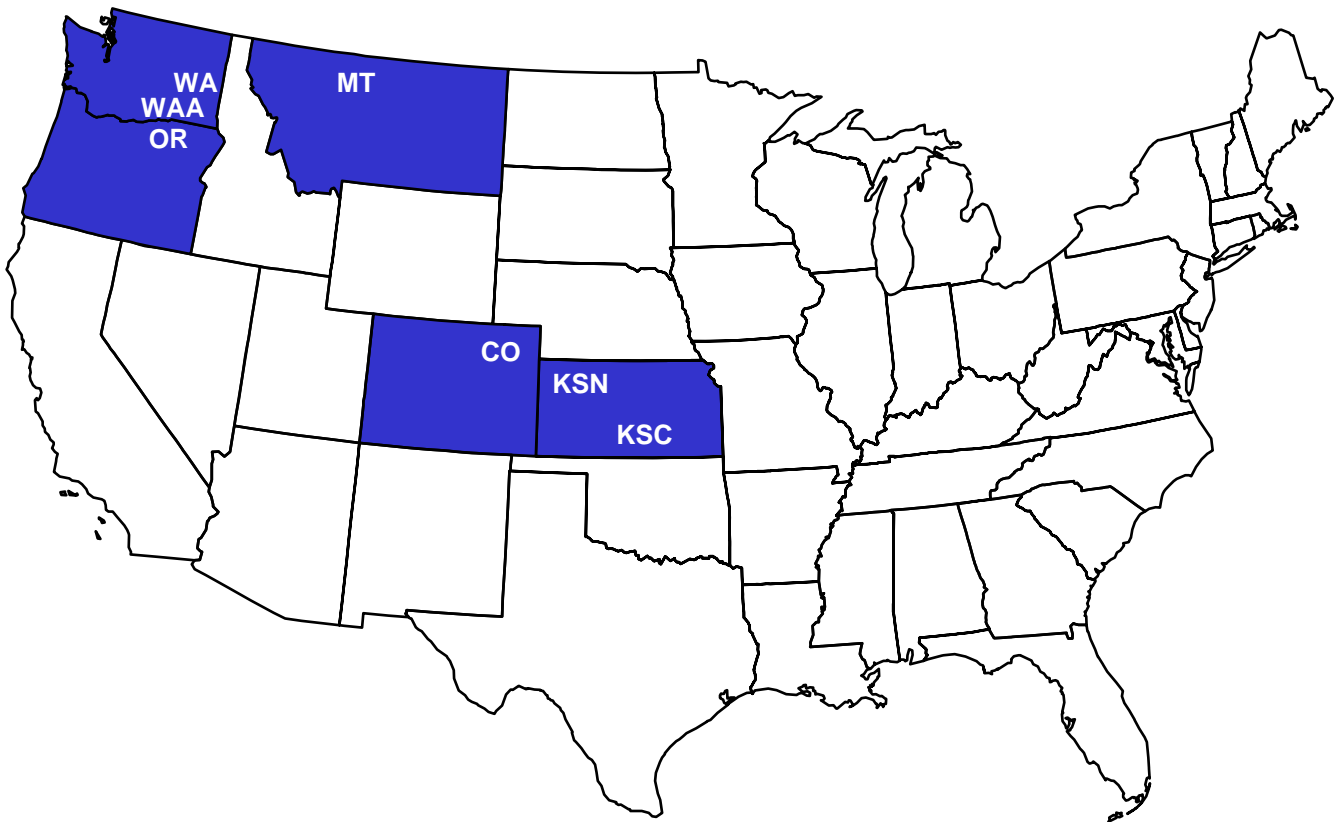
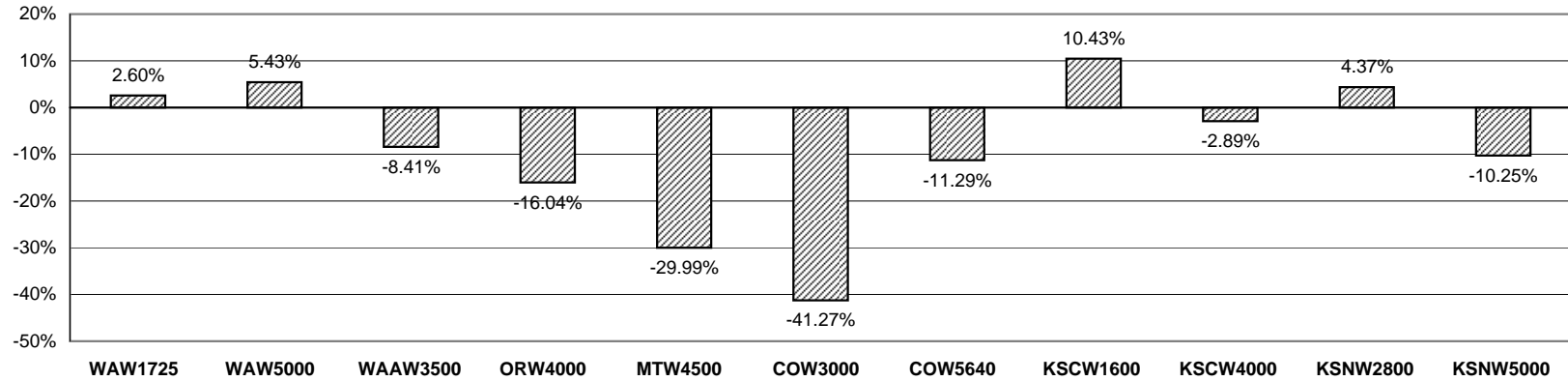


Table 6. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Wheat.

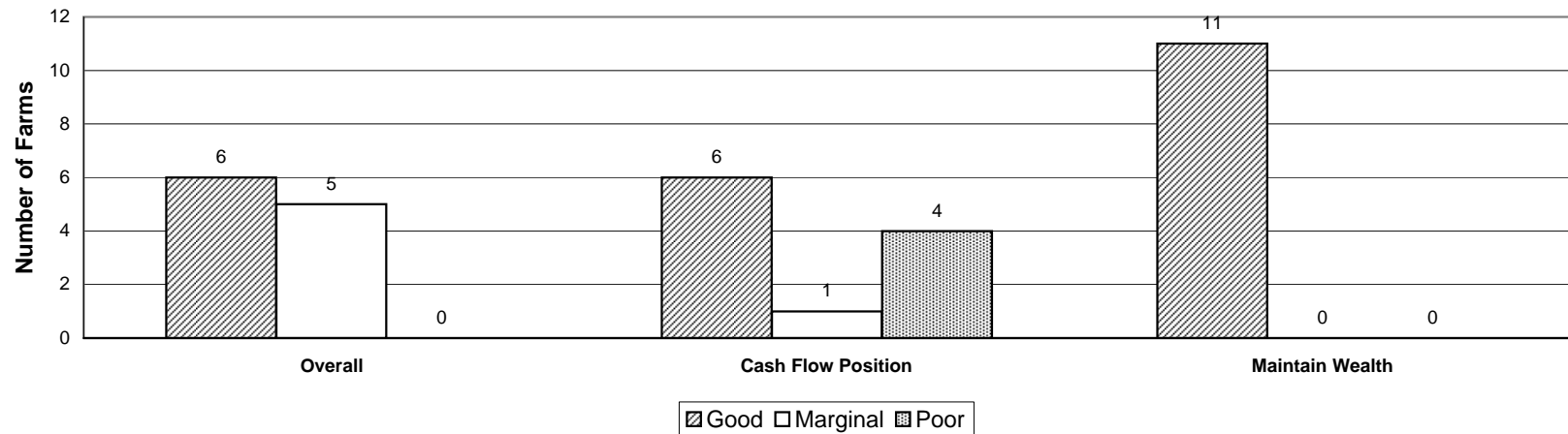
	WAW1725	WAW5000	WAAW3500	ORW4000	MTW4500	COW3000	COW5640	KSCW1600	KSCW4000	KSNW2800	KSNW5000
<b>Overall Financial Position</b>											
2007-2012 Ranking	Marginal	Marginal	Good	Good	Good	Good	Good	Marginal	Marginal	Marginal	Good
<b>Change Real Net Worth (%)</b>											
2007-2012 Average	3.84	3.70	5.31	4.02	6.16	7.24	6.00	2.38	4.55	3.02	4.85
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>											
	-13.49	-16.84	-30.56	-28.53	-48.48	-56.53	-34.69	-8.49	-19.07	-15.82	-21.93
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>											
	2.60	5.43	-8.41	-16.04	-29.98	-41.27	-11.29	10.43	-2.89	4.37	-10.25
<b>Govt Payments/Receipts (%)</b>											
2007-2012 Average	8.00	7.29	9.18	8.77	11.01	5.12	5.56	7.91	6.80	7.25	5.52
<b>Cost to Receipts Ratio (%)</b>											
2007-2012 Average	84.43	88.15	70.95	67.61	60.81	48.44	65.81	86.36	71.64	83.06	77.74
<b>Total Cash Receipts (\$1000)</b>											
2005	384.52	1,183.03	227.82	291.46	512.18	266.46	506.01	219.26	530.44	350.97	785.19
2006	436.47	1,319.59	270.58	335.03	584.12	310.13	590.51	286.36	709.08	405.08	966.97
2007	432.64	1,302.49	260.97	323.02	438.95	306.92	591.56	285.90	694.70	397.49	967.17
2008	432.23	1,302.65	259.26	320.95	438.40	307.75	593.88	287.54	698.47	394.28	979.45
2009	436.10	1,316.74	262.66	326.12	445.44	310.79	599.00	291.36	706.97	398.33	991.56
2010	442.66	1,334.10	265.46	328.86	447.07	313.52	604.53	297.27	715.03	399.98	995.51
2011	444.93	1,343.62	267.44	331.64	455.72	315.22	608.98	298.27	718.63	402.79	996.73
2012	447.99	1,352.65	269.28	333.72	464.53	317.97	616.37	301.92	722.93	406.69	1,006.25
2007-2012 Average	439.42	1,325.38	264.18	327.38	448.35	312.03	602.39	293.71	709.46	399.93	990.94
<b>Government Payments (\$1000)</b>											
2005	47.70	143.24	24.42	27.20	52.23	35.58	50.81	33.08	98.56	57.20	129.02
2006	34.02	96.38	23.69	26.61	48.77	20.34	33.05	25.14	50.51	36.84	65.74
2007	34.05	93.76	23.38	26.67	45.55	15.48	32.36	23.06	46.65	27.51	51.82
2008	34.20	94.07	23.52	26.83	45.81	15.59	32.60	22.45	47.05	27.68	52.19
2009	34.23	94.09	23.59	26.92	45.89	15.63	32.67	22.17	47.05	27.72	52.28
2010	34.35	94.56	23.53	26.84	45.82	15.61	32.70	22.07	47.16	27.66	52.30
2011	34.30	94.43	23.53	26.82	45.81	15.65	32.74	21.93	47.23	27.67	52.46
2012	34.34	94.56	23.50	26.79	45.81	15.68	32.80	21.78	47.20	27.68	52.51
2007-2012 Average	34.24	94.24	23.51	26.81	45.78	15.61	32.65	22.25	47.06	27.65	52.26
<b>Net Cash Farm Income (\$1000)</b>											
2005	52.41	160.41	57.00	94.36	266.55	126.60	148.76	-3.21	72.69	63.43	99.47
2006	85.07	251.55	92.17	128.57	330.50	167.18	220.28	54.76	227.89	107.23	262.53
2007	77.65	204.94	80.06	115.07	188.31	166.48	209.98	49.94	211.18	94.80	259.91
2008	69.77	182.01	76.57	110.88	185.98	164.67	208.01	47.00	211.27	85.26	252.98
2009	71.98	177.64	80.46	115.52	193.43	161.11	215.93	48.93	213.39	79.60	263.42
2010	76.56	171.97	84.03	118.33	193.97	163.86	218.11	53.22	222.40	79.36	262.00
2011	77.42	166.22	86.87	121.26	200.35	164.66	219.01	51.50	210.59	79.24	232.15
2012	77.89	168.23	84.94	121.85	209.98	162.43	218.04	51.60	202.71	71.91	233.12
2007-2012 Average	75.21	178.50	82.16	117.15	195.34	163.87	214.85	50.36	211.93	81.70	250.60
<b>Ending Cash Reserves (\$1000)</b>											
2005	-57.12	6.52	9.51	29.63	107.08	57.93	35.19	-84.04	-90.80	5.11	16.18
2006	-43.73	61.51	37.55	75.22	230.23	147.94	105.50	-107.35	-16.12	32.39	151.14
2007	-57.44	-15.76	56.15	103.10	263.50	232.94	127.22	-142.02	-7.99	42.83	230.90
2008	-53.96	-29.86	74.95	129.85	341.24	318.27	171.73	-141.92	47.45	52.58	315.02
2009	-49.14	-68.93	94.53	150.80	417.55	367.36	208.79	-143.52	54.53	19.27	384.39
2010	-44.22	-140.22	116.09	170.31	488.20	436.14	243.41	-146.09	106.16	4.65	440.53
2011	-44.97	-226.59	137.53	188.14	541.12	486.02	264.38	-155.47	82.63	-22.38	417.45
2012	-52.59	-323.46	116.84	196.13	622.05	530.28	259.89	-165.89	81.78	-87.94	408.88
<b>Nominal Net Worth (\$1000)</b>											
2005	936.80	3,847.51	958.74	1,066.58	1,898.93	1,155.66	1,847.49	753.48	1,510.50	1,258.19	2,137.06
2006	1,068.76	4,434.50	1,111.16	1,214.14	2,290.47	1,376.29	2,151.95	829.38	1,768.50	1,423.41	2,504.33
2007	1,131.16	4,707.10	1,203.20	1,299.71	2,495.33	1,536.44	2,332.68	865.00	1,913.29	1,514.80	2,715.99
2008	1,199.70	5,025.12	1,298.73	1,384.69	2,719.86	1,701.65	2,536.49	904.56	2,061.26	1,609.38	2,939.56
2009	1,278.74	5,371.84	1,408.40	1,478.82	2,966.33	1,869.81	2,756.23	951.91	2,204.76	1,699.27	3,175.00
2010	1,314.40	5,500.51	1,468.45	1,523.82	3,113.97	1,989.35	2,902.16	966.68	2,323.04	1,736.04	3,311.16
2011	1,345.30	5,609.08	1,526.35	1,566.00	3,252.85	2,097.58	3,023.87	974.83	2,370.97	1,766.74	3,386.96
2012	1,389.36	5,741.08	1,583.20	1,609.72	3,410.32	2,198.89	3,164.54	986.55	2,431.01	1,786.15	3,498.08
<b>Prob. of Negative Ending Cash (%)</b>											
2007	92	55	3	1	1	1	1	99	53	22	2
2008	80	53	4	4	1	1	1	96	31	30	3
2009	73	58	5	5	1	1	1	91	32	43	3
2010	67	64	5	5	1	1	1	88	23	49	3
2011	65	72	4	5	1	1	2	88	33	54	6
2012	66	78	11	8	1	1	4	87	33	67	11
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>											
	1	1	1	1	1	1	1	18	1	1	1

# Figure 17. Wheat Farms

## Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012



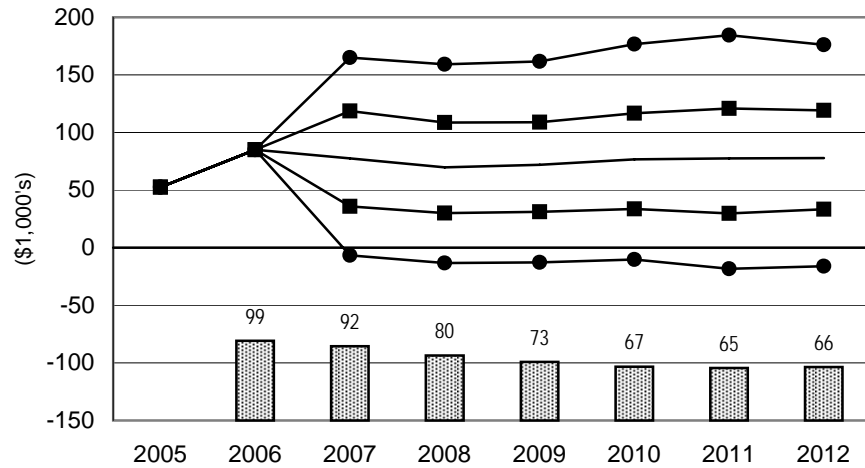
## Economic and Financial Position Over the Period, 2007-2012, for all Wheat Farms



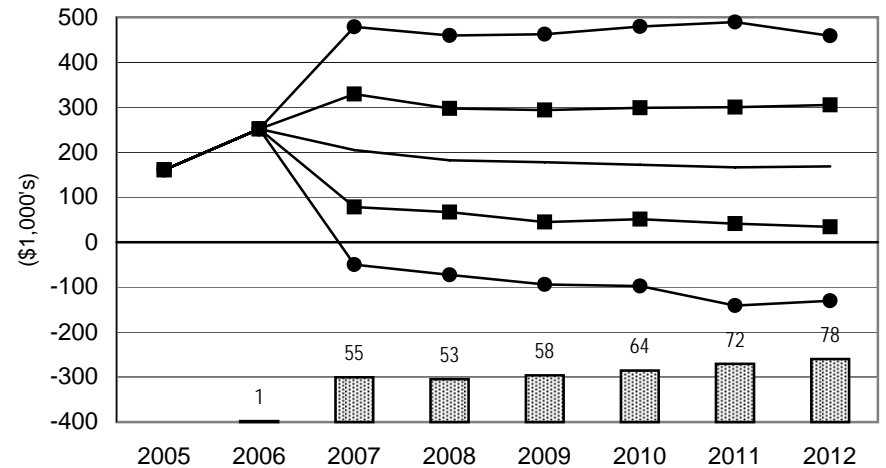
**Figure 18. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Wheat Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

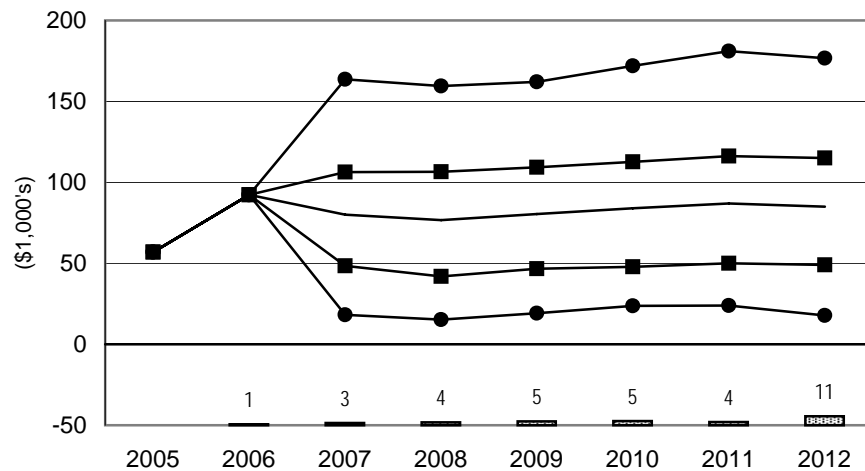
**WAW1725 Washington Wheat Farm**



**WAW5000 Large Washington Wheat Farm**



**WAAW3500 Southern Washington Wheat Farm**

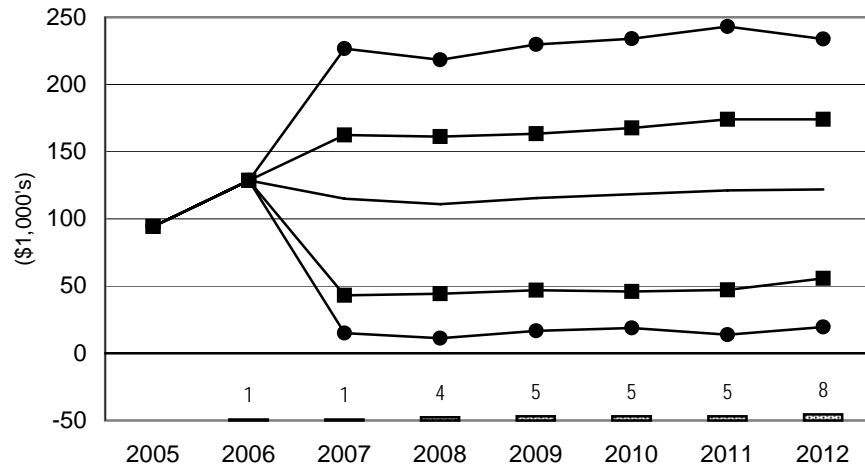




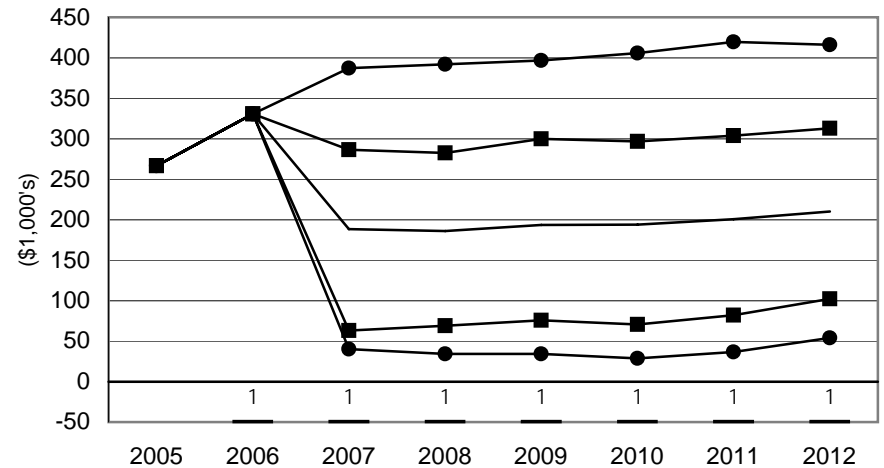
**Figure 19. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Wheat Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

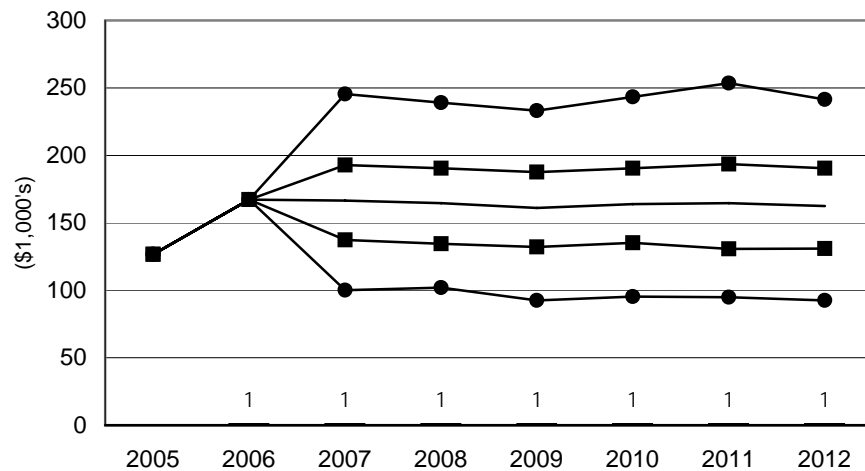
**ORW4000 Oregon Wheat Farm**



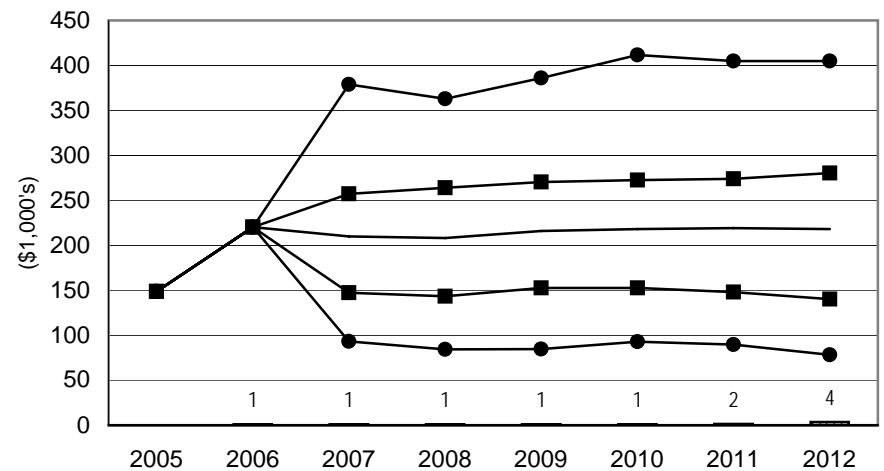
**MTW4500 Montana Wheat Farm**



**COW3000 Colorado Wheat Farm**



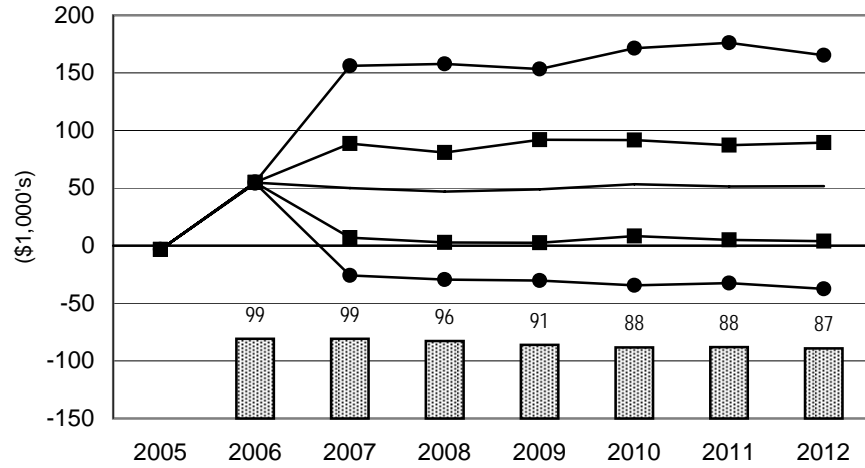
**COW5640 Large Colorado Wheat Farm**



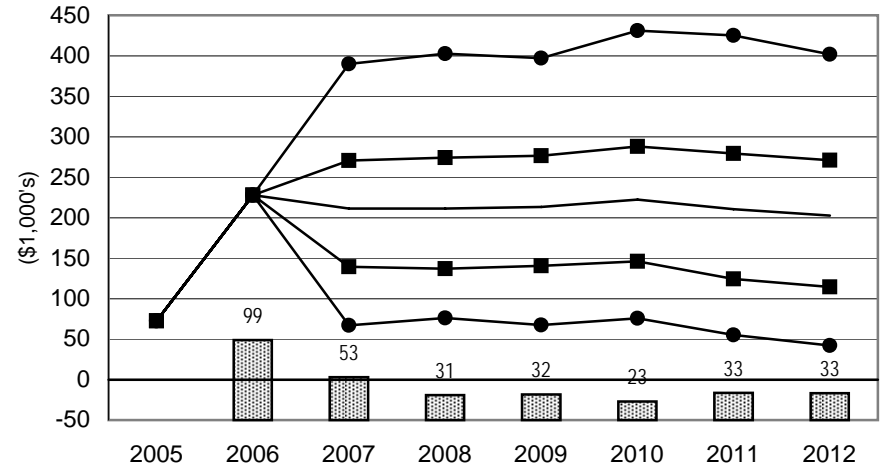
**Figure 20. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Wheat Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

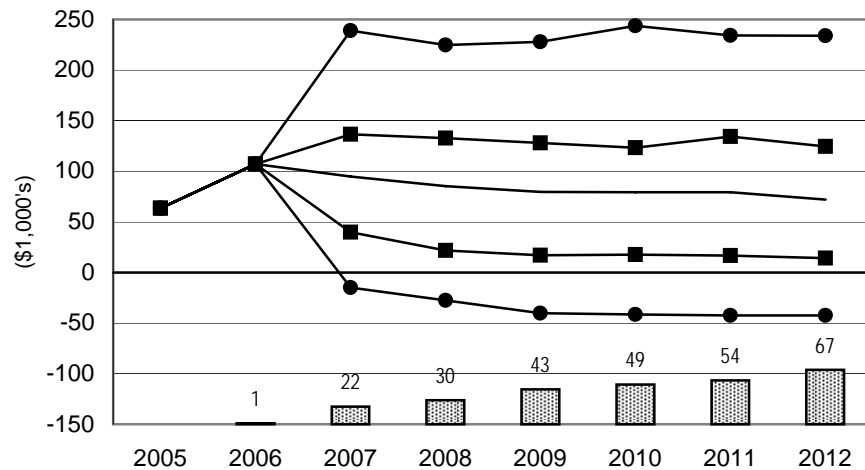
**KSCW1600 Central Kansas Wheat Farm**



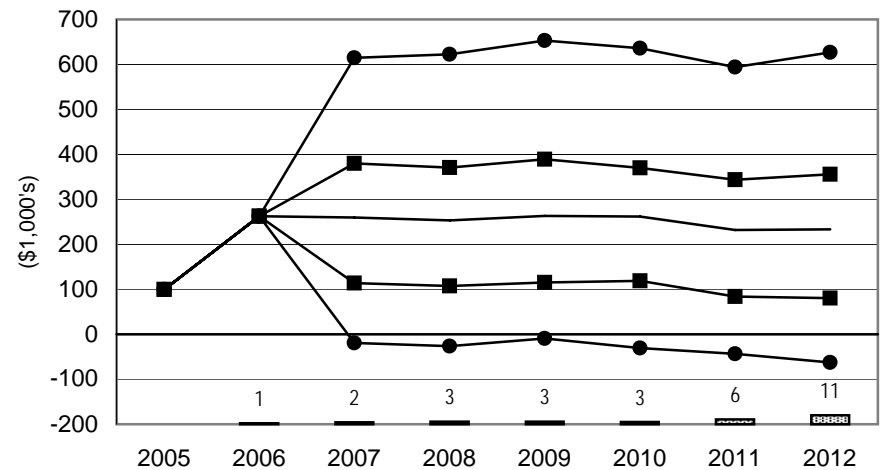
**KSCW4000 Large Central Kansas Wheat Farm**



**KSNW2800 Northwest Kansas Wheat Farm**



**KSNW5000 Large Northwest Kansas Wheat Farm**



# Figure 21. Representative Farms Producing Cotton

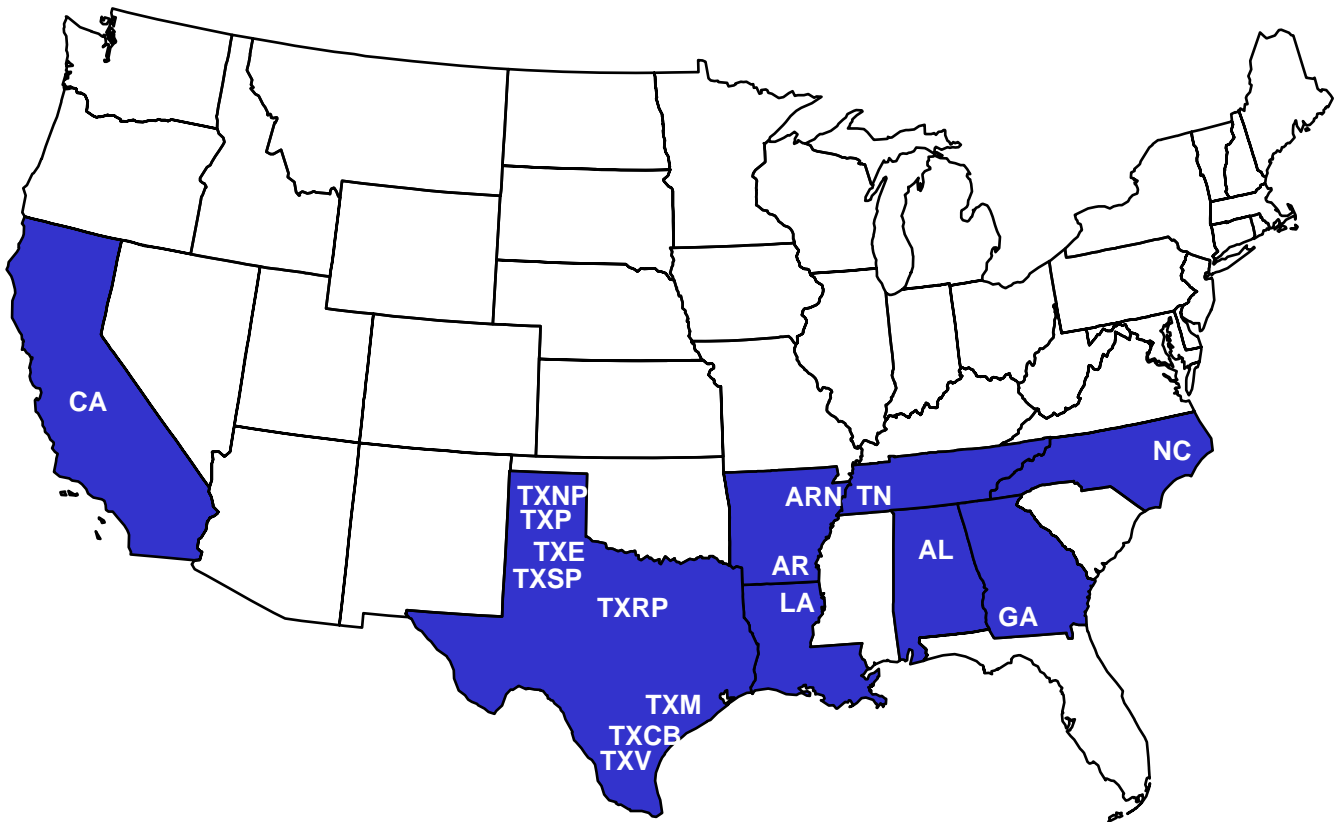


Table 7. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Cotton.

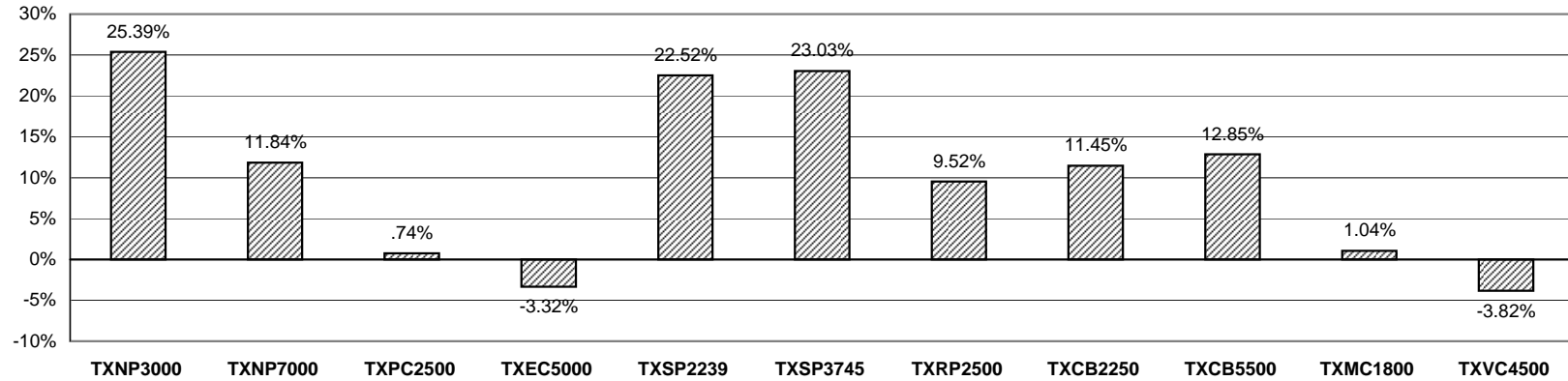
	TXNP3000	TXNP7000	TXSP2239	TXSP3745	TXPC2500	TXEC5000	TXRP2500	TXMC1800	TXCB2250	TXCB5500	TXVC4500
<b>Overall Financial Position</b>											
2007-2012 Ranking	Poor	Poor	Poor	Poor	Marginal	Marginal	Poor	Marginal	Poor	Poor	Marginal
<b>Change Real Net Worth (%)</b>											
2007-2012 Average	-44.76	-4.73	-9.69	-3.91	3.11	0.86	0.34	1.06	-2.07	-21.06	6.45
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>											
2007-2012 Average	13.71	2.69	9.89	6.20	-7.60	-1.90	-1.26	-2.14	1.37	6.98	-13.76
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>											
2007-2012 Average	25.39	11.84	22.52	23.03	0.74	-3.32	9.52	1.04	11.45	12.85	-3.82
<b>Govt Payments/Receipts (%)</b>											
2007-2012 Average	6.26	6.27	19.61	19.29	13.57	18.72	19.53	14.82	17.11	15.42	16.28
<b>Cost to Receipts Ratio (%)</b>											
2007-2012 Average	107.05	99.61	108.08	106.43	88.76	86.84	95.05	89.76	98.19	102.01	82.87
<b>Total Cash Receipts (\$1000)</b>											
2005	1,100.72	2,509.52	540.65	923.44	1,439.32	2,106.09	444.33	504.85	667.07	1,565.42	1,408.66
2006	1,165.06	2,662.92	545.56	933.83	1,126.25	1,515.19	245.91	631.89	710.00	1,659.50	1,063.02
2007	1,221.00	2,715.60	582.47	996.28	1,263.78	1,554.43	342.60	674.13	740.54	1,684.14	1,613.33
2008	1,223.07	2,713.68	580.76	993.22	1,278.25	1,574.60	343.58	682.95	747.94	1,703.90	1,641.85
2009	1,235.38	2,752.28	587.38	1,000.09	1,291.07	1,581.26	346.68	687.29	750.50	1,721.42	1,632.82
2010	1,240.62	2,783.80	588.83	1,005.44	1,307.04	1,593.92	349.72	696.55	761.76	1,740.47	1,648.57
2011	1,256.56	2,790.79	602.51	1,026.88	1,307.64	1,612.40	353.87	697.77	764.00	1,754.51	1,662.29
2012	1,266.60	2,812.82	603.70	1,030.33	1,319.20	1,623.88	358.72	710.71	781.47	1,757.70	1,679.57
2007-2012 Average	1,240.54	2,761.49	590.94	1,008.71	1,294.50	1,590.08	349.19	691.57	757.70	1,727.02	1,646.41
<b>Government Payments (\$1000)</b>											
2005	210.92	519.61	173.82	295.87	328.87	529.31	114.97	158.79	219.37	465.70	412.21
2006	155.24	370.21	166.23	284.73	256.78	428.75	70.89	169.83	179.98	387.71	299.15
2007	87.48	195.16	142.90	243.30	208.83	368.29	78.17	117.06	148.62	314.63	311.75
2008	78.60	174.27	115.57	194.72	184.06	316.59	67.86	103.31	127.99	272.93	269.83
2009	76.46	173.10	107.63	180.14	173.03	289.17	63.74	98.56	120.91	256.19	254.28
2010	73.25	164.39	103.27	174.12	164.61	275.92	60.61	93.40	114.22	243.39	240.84
2011	72.79	161.94	99.13	167.46	160.35	260.24	57.30	89.59	109.05	233.82	233.74
2012	69.73	155.35	95.75	162.63	151.71	250.79	56.46	88.19	107.11	226.44	224.90
2007-2012 Average	76.38	170.70	110.71	187.06	173.76	293.50	64.02	98.35	121.32	257.57	255.89
<b>Net Cash Farm Income (\$1000)</b>											
2005	-41.49	43.28	27.62	50.42	524.45	842.60	121.41	4.97	33.93	55.63	204.81
2006	-51.65	74.00	5.90	13.72	90.32	182.72	-18.77	76.69	64.65	80.01	207.84
2007	-5.28	137.00	23.54	45.78	168.61	249.04	49.89	108.95	84.22	79.99	350.35
2008	-44.25	59.23	4.73	17.57	166.38	246.07	43.70	106.08	75.20	62.15	347.53
2009	-61.45	57.66	-3.88	0.07	167.68	235.73	44.53	102.78	62.47	45.48	330.06
2010	-80.42	56.95	-16.89	-26.92	166.09	235.51	44.75	99.13	54.44	16.16	323.87
2011	-89.03	32.97	-19.63	-33.34	158.70	239.44	44.09	93.76	39.63	-34.98	319.59
2012	-107.47	29.22	-35.28	-49.83	158.89	234.66	45.91	96.08	36.77	-65.19	317.63
2007-2012 Average	-64.65	62.17	-7.90	-7.78	164.39	240.07	45.48	101.13	58.79	17.27	331.51
<b>Ending Cash Reserves (\$1000)</b>											
2005	-158.60	-203.94	-58.93	-66.94	259.21	348.51	23.98	-54.18	-60.91	-99.70	41.66
2006	-334.27	-445.06	-145.48	-186.63	144.08	278.07	-74.19	-39.15	-99.12	-200.74	-6.66
2007	-471.88	-646.55	-245.44	-305.99	79.99	238.08	-121.28	-32.63	-134.03	-327.76	34.02
2008	-652.34	-901.53	-320.45	-416.96	88.80	256.33	-140.35	-2.77	-143.98	-417.70	123.15
2009	-887.32	-1,156.41	-411.09	-570.68	71.76	231.66	-162.29	12.86	-179.82	-540.04	184.88
2010	-1,130.36	-1,374.54	-523.61	-792.91	46.20	245.38	-170.28	-6.84	-254.95	-730.17	213.31
2011	-1,384.04	-1,631.34	-636.97	-1,016.58	1.78	242.51	-181.56	-29.08	-360.54	-1,036.79	261.82
2012	-1,671.48	-1,824.48	-763.12	-1,233.46	-45.77	221.37	-189.30	-40.82	-466.98	-1,355.60	280.46
<b>Nominal Net Worth (\$1000)</b>											
2005	575.94	1,937.72	681.36	1,750.82	1,940.66	1,391.23	416.98	749.02	818.17	758.60	1,930.33
2006	459.51	1,946.37	678.65	1,820.96	2,068.82	1,404.99	382.80	780.99	886.42	740.88	2,175.90
2007	360.55	1,960.30	654.66	1,830.75	2,191.51	1,445.74	393.00	804.74	928.58	707.07	2,411.48
2008	209.47	1,830.31	613.83	1,820.22	2,314.28	1,478.51	397.18	835.18	956.58	647.18	2,648.34
2009	36.70	1,784.98	569.34	1,801.28	2,441.94	1,497.57	405.93	858.83	970.97	557.59	2,884.82
2010	-163.24	1,691.24	483.85	1,664.89	2,510.89	1,533.18	416.99	850.23	929.10	416.46	3,044.04
2011	-370.78	1,531.22	393.75	1,536.44	2,546.99	1,525.75	408.71	842.43	878.97	182.55	3,206.28
2012	-603.78	1,447.46	299.25	1,412.77	2,594.40	1,516.29	406.91	858.94	821.51	-52.89	3,333.65
<b>Prob. of Negative Ending Cash (%)</b>											
2007	99	98	99	97	29	5	89	59	82	90	44
2008	99	98	97	94	30	10	82	52	76	87	31
2009	99	98	98	97	31	17	82	47	75	88	26
2010	99	98	99	99	37	18	78	49	79	90	28
2011	99	99	99	99	46	22	80	48	84	95	26
2012	99	98	99	99	50	25	77	50	88	98	27
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>											
2007-2012 Average	99	72	87	76	2	7	41	42	53	88	1

Table 8. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Cotton.

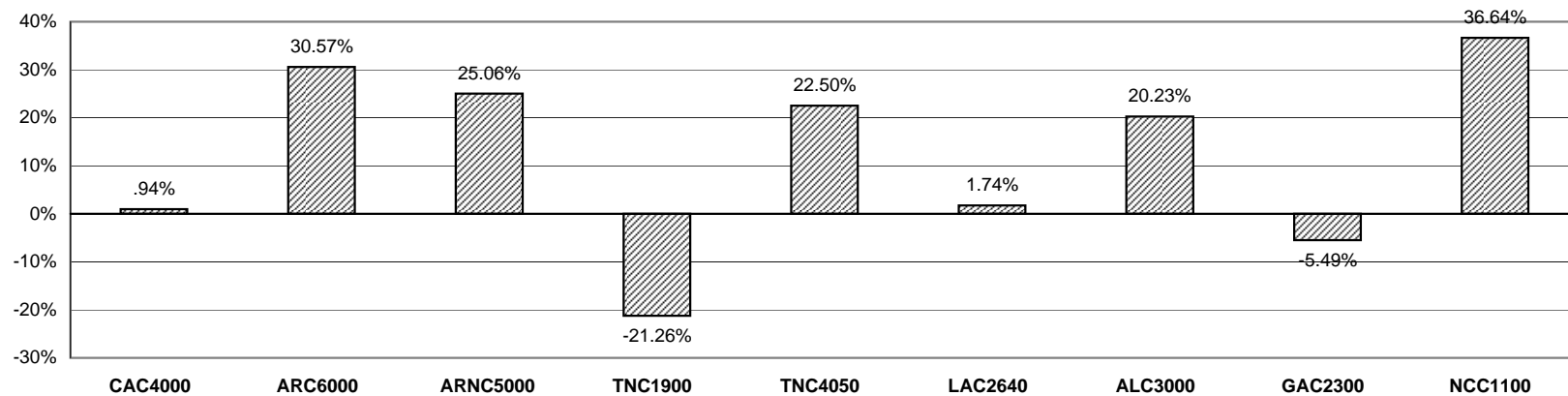
	CAC4000	LAC2640	ARC6000	ARNC5000	TNC1900	TNC4050	ALC3000	GAC2300	NCC1100
<b>Overall Financial Position</b>									
2007-2012 Ranking	Marginal	Poor	Poor	Poor	Good	Poor	Poor	Good	Poor
<b>Change Real Net Worth (%)</b>									
2007-2012 Average	4.75	-1.13	-7.30	-4.97	7.43	-2.22	-17.74	4.63	-3.73
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>									
	-14.53	0.21	9.48	6.10	-30.62	3.35	11.22	-14.19	8.39
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>									
	0.94	1.74	30.57	25.06	-21.26	22.50	20.23	-5.49	36.64
<b>Govt Payments/Receipts (%)</b>									
2007-2012 Average	3.38	16.35	14.94	15.91	12.85	16.77	20.02	16.23	15.98
<b>Cost to Receipts Ratio (%)</b>									
2007-2012 Average	94.47	91.29	107.42	103.20	69.63	109.39	102.87	85.03	109.75
<b>Total Cash Receipts (\$1000)</b>									
2005	6,377.88	1,253.77	3,004.26	2,847.17	897.24	1,655.73	1,166.86	1,791.75	555.91
2006	6,408.07	1,364.09	3,225.82	2,843.62	939.08	1,707.88	1,214.33	1,988.48	563.46
2007	6,317.40	1,399.02	3,131.27	2,879.40	957.60	1,815.08	1,231.36	1,867.56	573.68
2008	6,299.24	1,417.18	3,189.29	2,918.86	970.99	1,829.50	1,241.68	1,879.67	580.45
2009	6,259.64	1,421.92	3,223.69	2,922.96	978.85	1,822.55	1,234.64	1,886.28	579.80
2010	6,225.21	1,429.39	3,249.09	2,938.91	984.16	1,833.07	1,242.68	1,910.79	582.60
2011	6,177.70	1,423.83	3,267.48	2,947.39	987.07	1,832.99	1,239.64	1,939.53	585.17
2012	6,138.30	1,424.60	3,294.99	2,950.49	990.83	1,837.23	1,243.57	1,967.58	586.21
2007-2012 Average	6,236.25	1,419.33	3,225.97	2,926.34	978.25	1,828.40	1,238.93	1,908.57	581.32
<b>Government Payments (\$1000)</b>									
2005	328.78	381.02	692.68	750.12	213.40	477.28	388.78	485.58	139.87
2006	304.26	301.50	555.82	692.97	179.02	427.89	340.72	515.95	131.27
2007	262.54	268.60	540.48	589.71	152.22	369.28	297.95	403.53	114.19
2008	222.46	242.04	525.39	495.81	131.02	314.95	258.05	318.81	98.09
2009	205.22	227.62	482.31	456.33	122.28	293.83	239.47	292.39	89.91
2010	192.63	217.14	455.02	427.29	115.55	276.09	227.42	285.78	85.40
2011	183.76	209.42	437.70	403.67	110.85	266.88	217.32	278.53	81.68
2012	175.62	203.98	418.07	383.14	106.18	253.08	209.98	270.92	78.95
2007-2012 Average	207.04	228.14	476.49	459.32	123.02	295.68	241.70	308.33	91.37
<b>Net Cash Farm Income (\$1000)</b>									
2005	988.72	110.79	109.38	274.58	289.24	62.86	95.50	286.19	37.32
2006	847.25	162.98	129.11	150.23	300.86	28.41	90.30	405.75	15.59
2007	693.52	176.35	-61.21	119.41	311.58	63.93	79.51	308.98	6.84
2008	595.40	173.78	-107.21	76.76	317.61	22.76	59.97	287.97	-7.73
2009	515.60	154.58	-159.27	9.87	314.24	-42.37	24.05	278.59	-30.30
2010	436.74	141.03	-225.22	-42.21	319.89	-85.48	-9.44	285.57	-53.06
2011	333.98	123.60	-294.76	-113.55	304.32	-130.30	-40.66	292.38	-73.28
2012	278.50	102.51	-352.02	-185.77	308.00	-167.11	-65.04	297.21	-96.12
2007-2012 Average	475.62	145.31	-199.95	-22.58	312.61	-56.43	8.07	291.78	-42.28
<b>Ending Cash Reserves (\$1000)</b>									
2005	288.62	44.90	-458.04	-176.19	151.64	-91.02	-173.96	146.62	-17.09
2006	389.19	70.80	-822.47	-584.37	247.95	-191.27	-327.86	314.76	-87.86
2007	298.76	93.99	-1,516.64	-1,057.66	360.66	-342.66	-529.47	396.13	-167.08
2008	335.61	130.10	-2,045.02	-1,376.78	484.35	-536.01	-573.09	434.74	-267.59
2009	294.07	99.17	-2,733.75	-1,870.12	575.97	-901.09	-699.44	443.64	-428.48
2010	185.74	23.60	-3,529.19	-2,370.88	677.72	-1,342.17	-885.47	441.36	-639.33
2011	-69.19	-28.12	-4,390.86	-2,959.98	719.85	-1,833.98	-1,117.48	428.03	-862.94
2012	-243.06	-121.17	-5,247.52	-3,614.68	802.09	-2,278.06	-1,388.97	401.36	-1,104.45
<b>Nominal Net Worth (\$1000)</b>									
2005	10,283.98	727.35	4,330.70	3,805.69	1,771.52	3,464.56	888.57	2,981.51	1,411.46
2006	12,173.76	796.29	4,523.83	3,962.24	2,094.25	3,756.49	865.83	3,505.01	1,511.80
2007	13,209.21	825.51	4,334.43	3,945.43	2,341.03	3,855.06	811.10	3,794.74	1,537.01
2008	14,349.84	863.51	4,148.07	3,884.16	2,593.93	3,931.31	739.63	4,082.24	1,546.39
2009	15,578.22	859.11	3,896.68	3,766.36	2,837.10	3,914.74	598.86	4,396.73	1,532.92
2010	16,089.89	834.47	3,467.33	3,549.13	3,036.44	3,721.35	430.14	4,568.83	1,420.78
2011	16,475.85	835.77	2,989.02	3,207.60	3,200.49	3,495.41	219.21	4,695.94	1,321.46
2012	16,918.55	773.65	2,450.67	2,782.78	3,374.82	3,344.14	4.14	4,836.86	1,192.86
<b>Prob. of Negative Ending Cash (%)</b>									
2007	22	26	99	99	1	78	99	1	99
2008	27	26	99	99	1	86	99	1	99
2009	32	32	99	99	1	92	98	1	99
2010	38	45	99	99	1	98	99	1	99
2011	47	52	99	99	1	99	99	1	99
2012	51	61	99	99	1	99	99	1	99
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>									
	1	43	99	83	1	61	97	1	85

## Figure 22. Cotton Farms

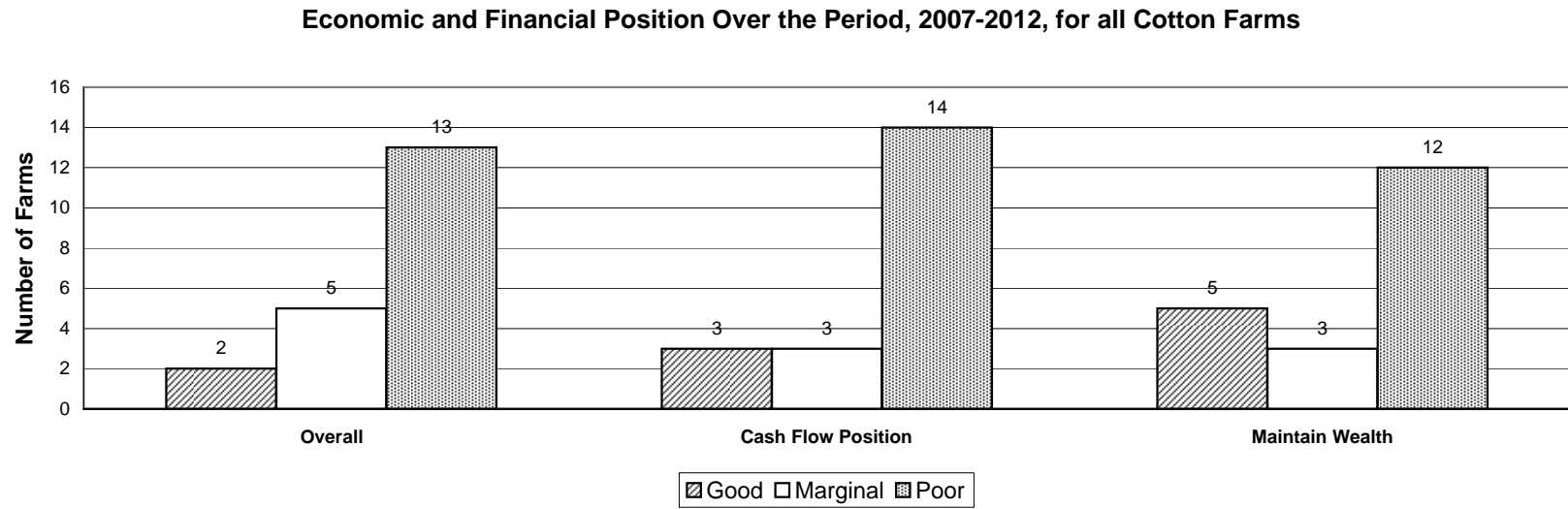
### Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012



### Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012



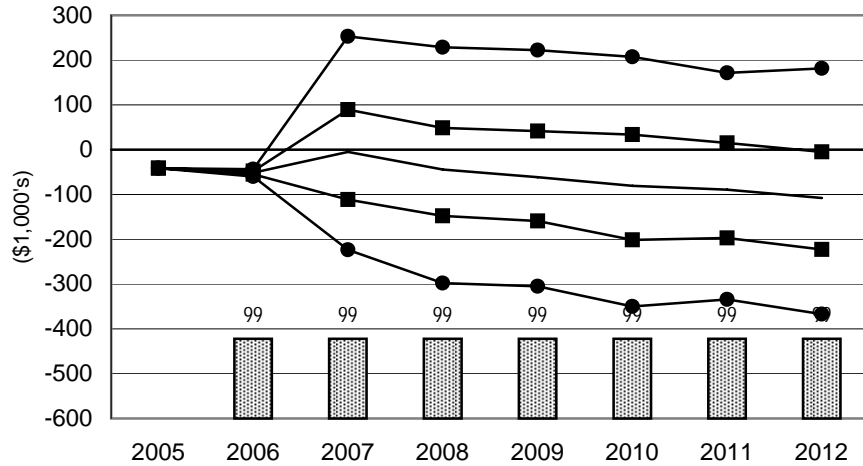
# Figure 23. Cotton Farms



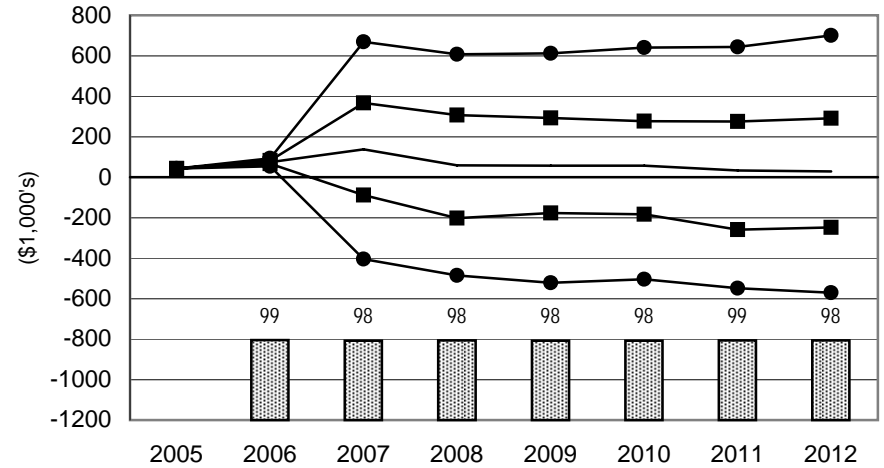
**Figure 24. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Cotton Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

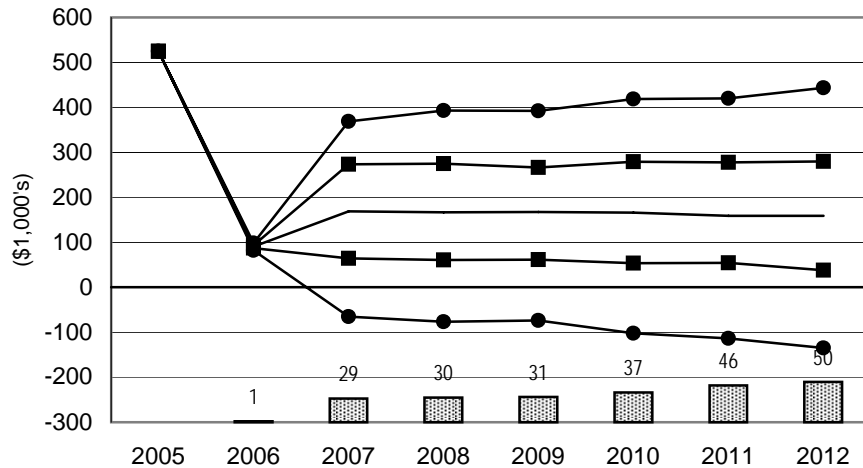
**TXNP3000 Texas North Plains Cotton Farm**



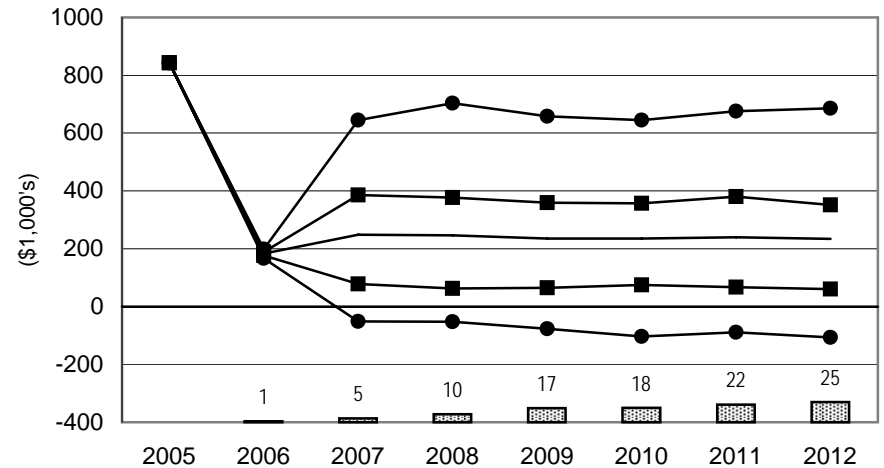
**TXNP7000 Large Texas North Plains Cotton Farm**



**TXPC2500 Texas Panhandle Cotton Farm**



**TXEC5000 Texas Eastern Caprock Cotton Farm**

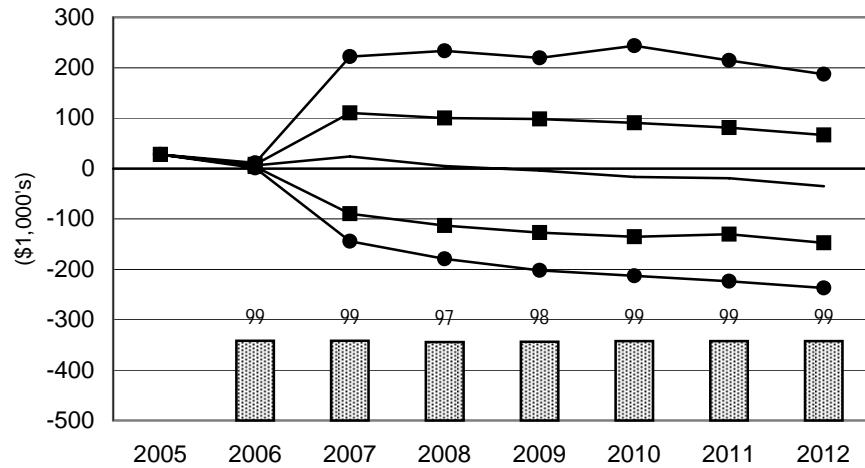




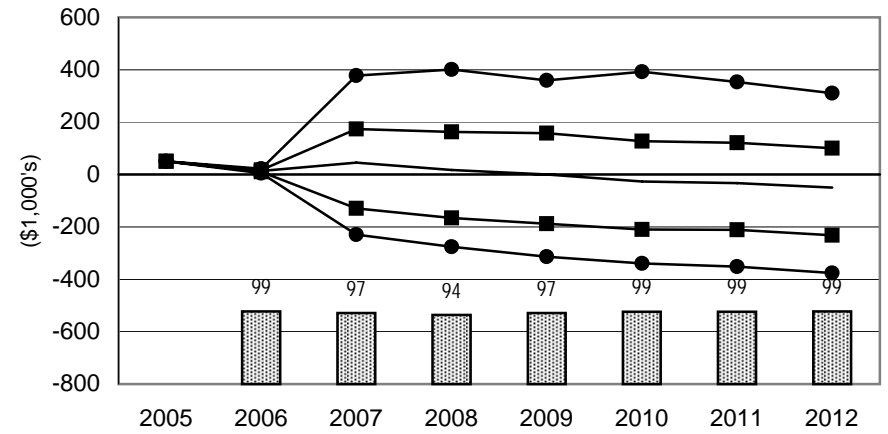
**Figure 25. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Cotton Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

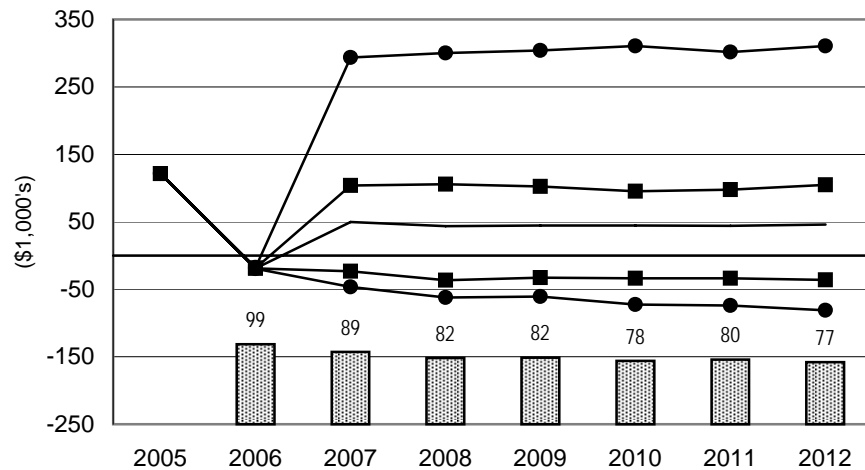
**TXSP2239 Texas Southern Plains Cotton Farm**



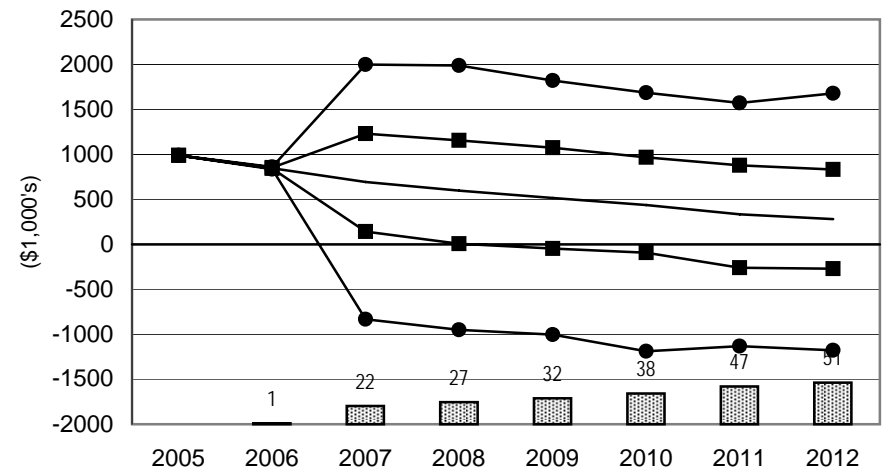
**TXSP3745 Large Texas Southern Plains Cotton Farm**



**TXRP2500 Texas Rolling Plains Cotton Farm**



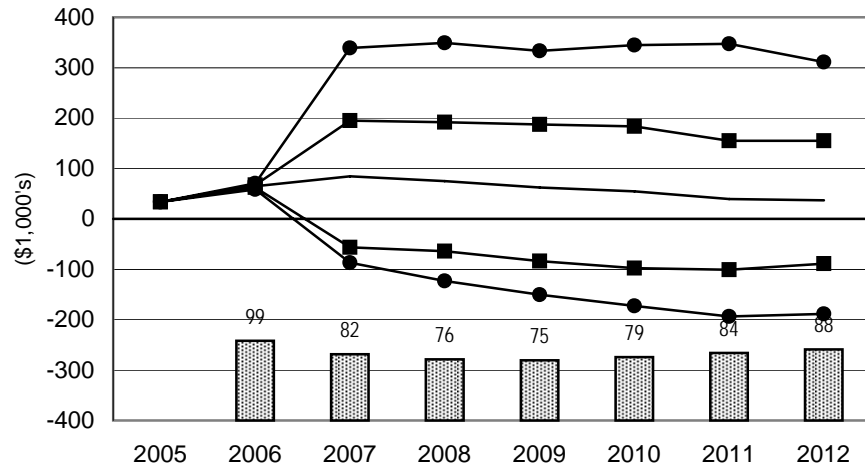
**CAC4000 California Cotton Farm**



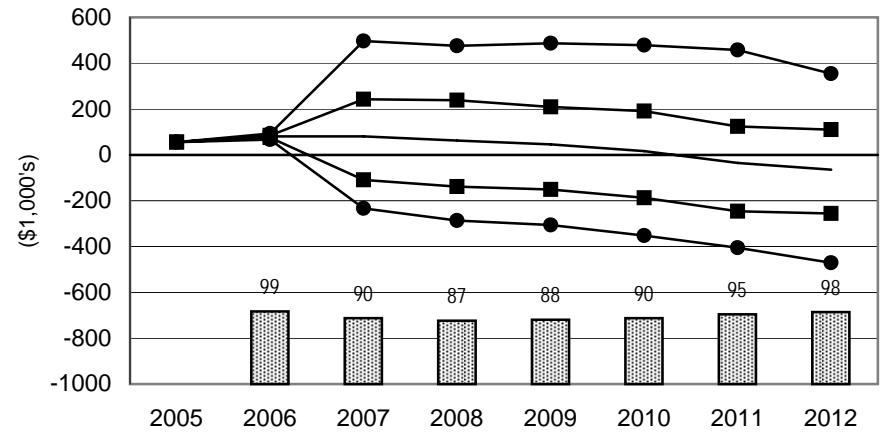
**Figure 26. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Cotton Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

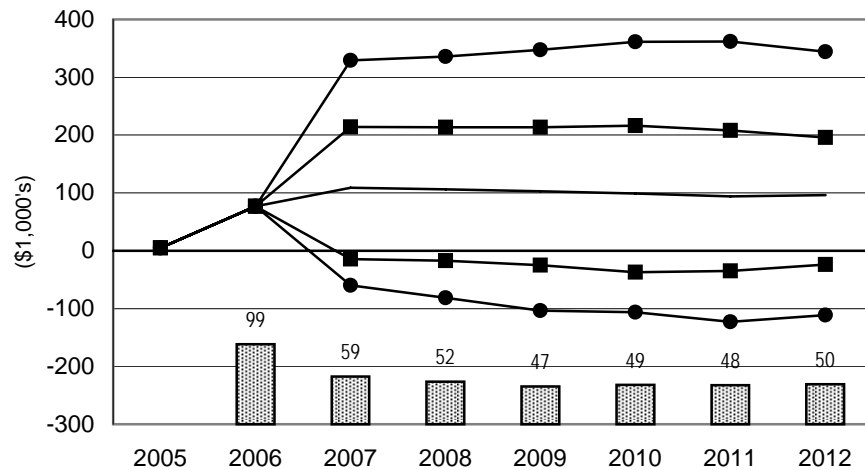
**TXCB2250 Texas Coastal Bend Cotton Farm**



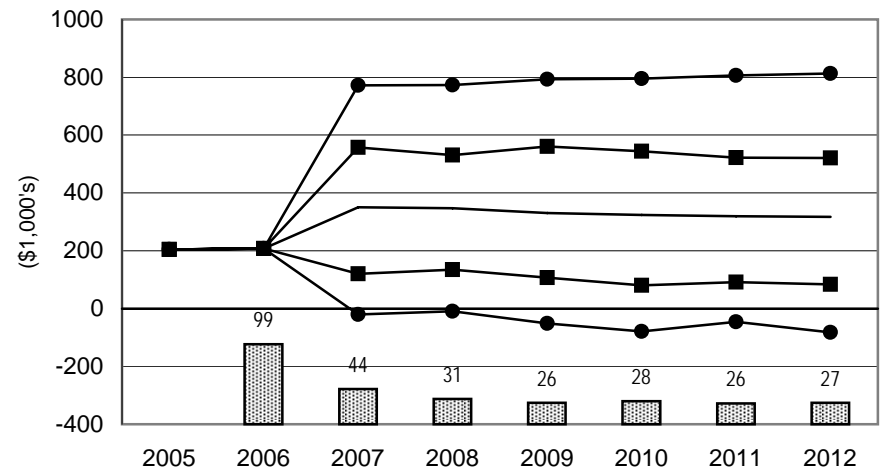
**TXCB5500 Large Texas Coastal Bend Cotton Farm**



**TXMC1800 Texas Mid-Coast Cotton Farm**



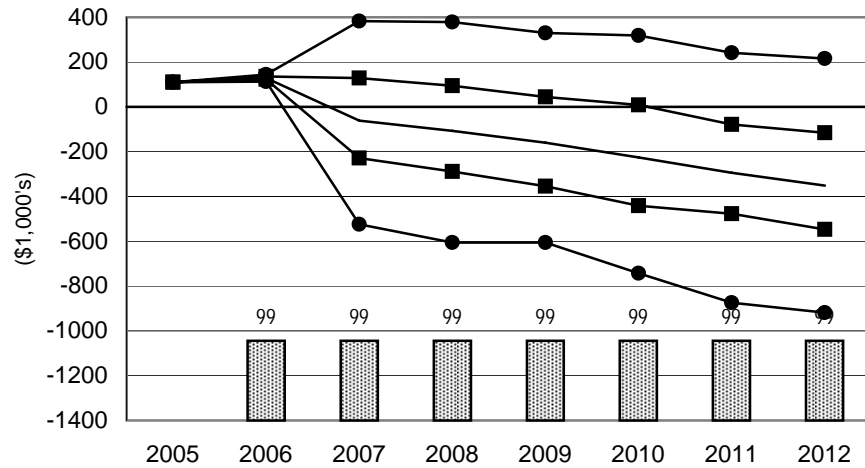
**TXVC4500 Texas Rio Grande Valley Cotton Farm**



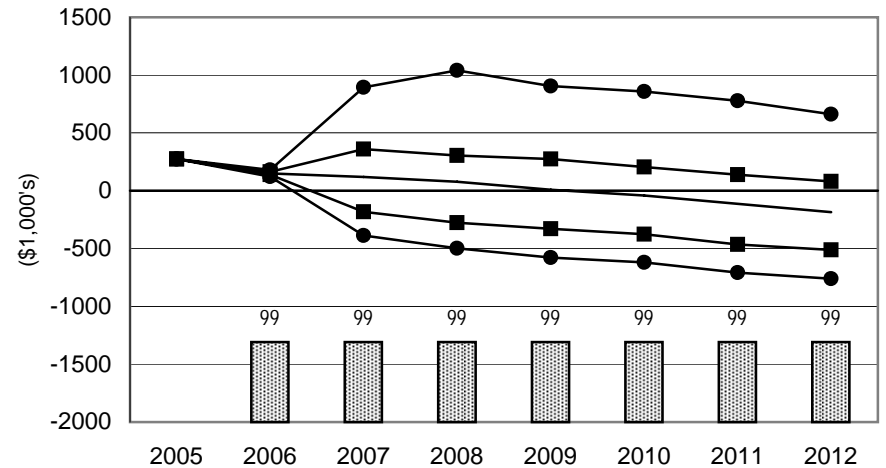
**Figure 27. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Cotton Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

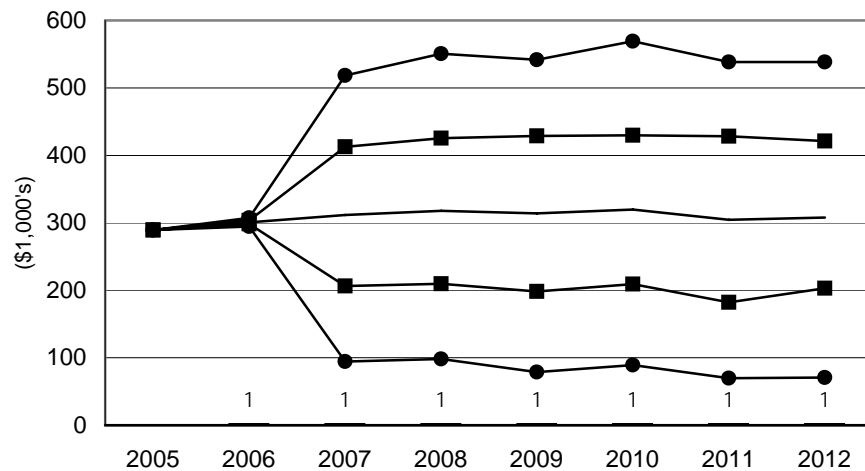
**ARC6000 Arkansas Cotton Farm**



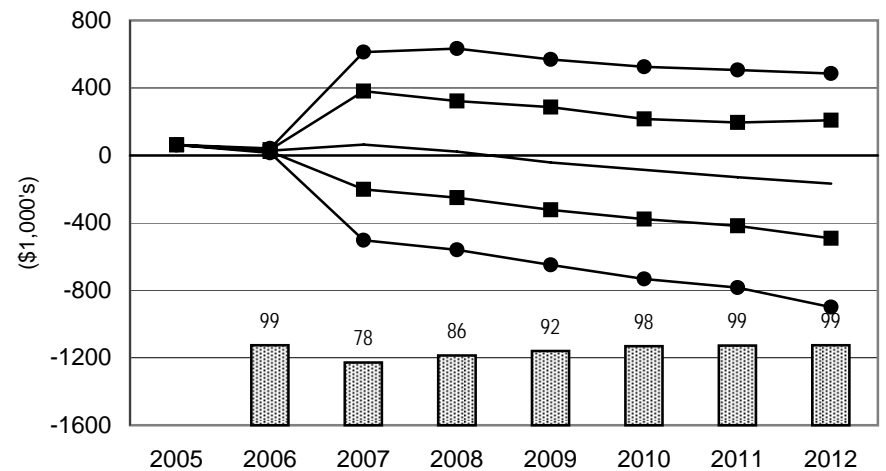
**ARNC5000 Large Northern Arkansas Cotton Farm**



**TNC1900 Tennessee Cotton Farm**



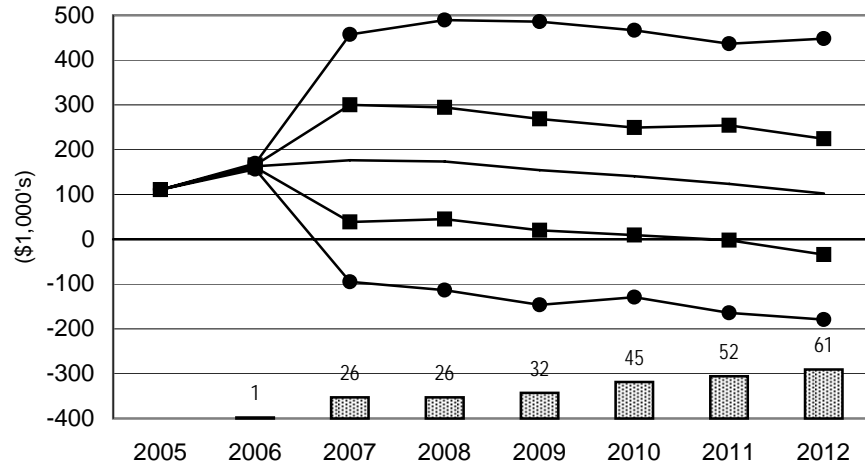
**TNC4050 Large Tennessee Cotton Farm**



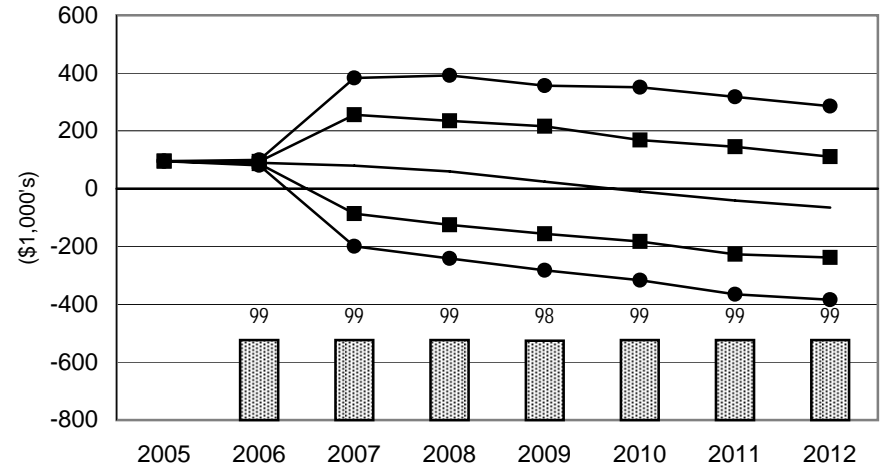
**Figure 28. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Cotton Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

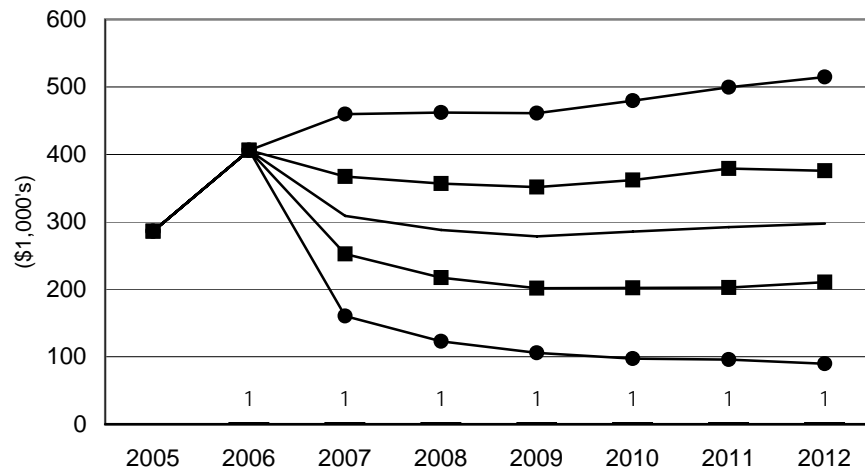
**LAC2640 Louisiana Cotton Farm**



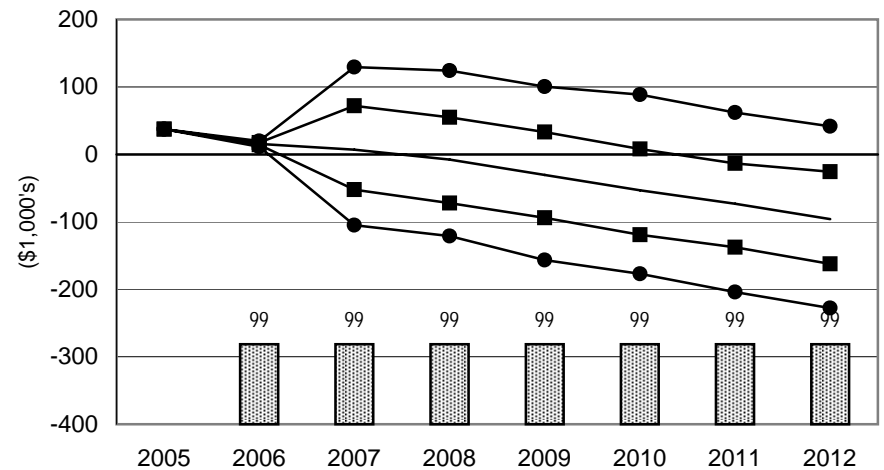
**ALC3000 Alabama Cotton Farm**



**GAC2300 Georgia Cotton Farm**



**NCC1100 North Carolina Cotton Farm**



# Figure 29. Representative Farms Producing Rice

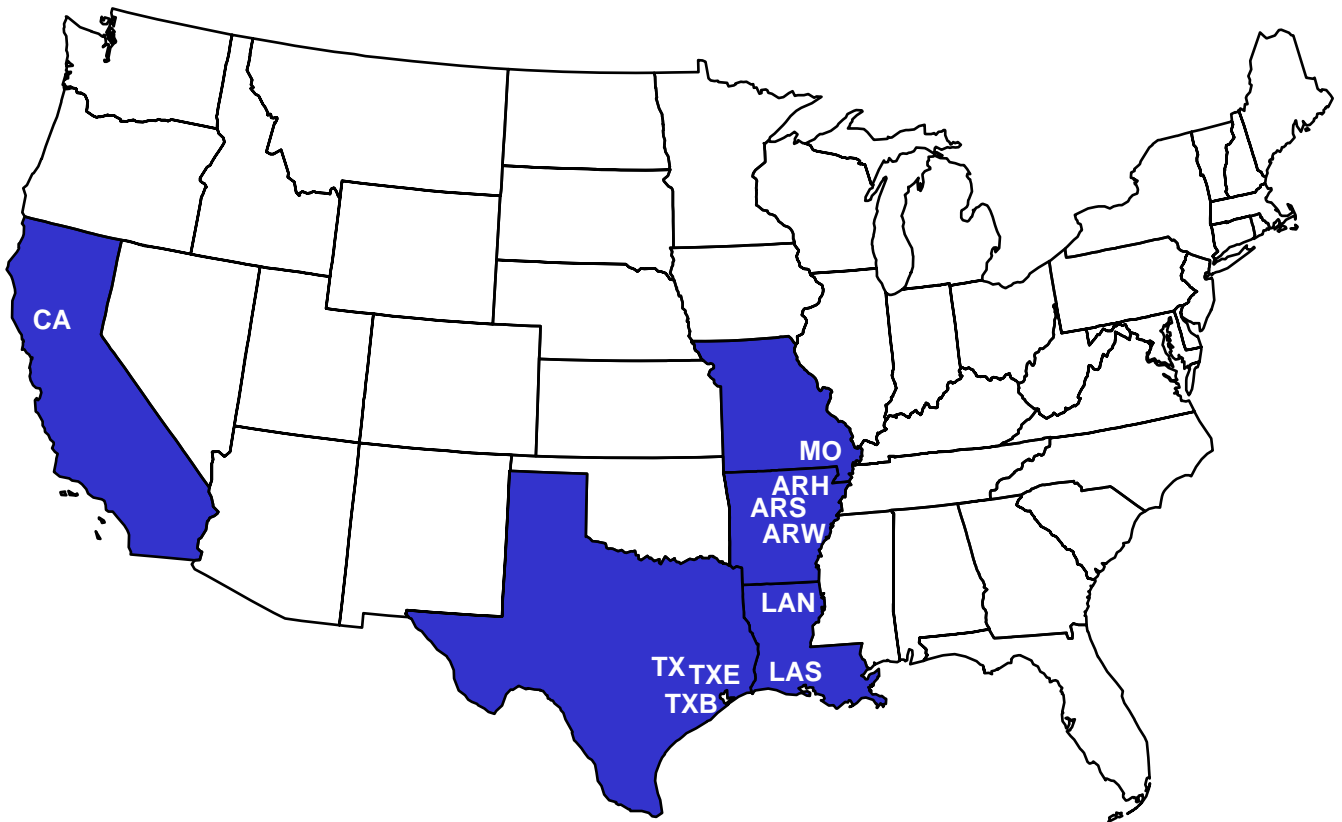


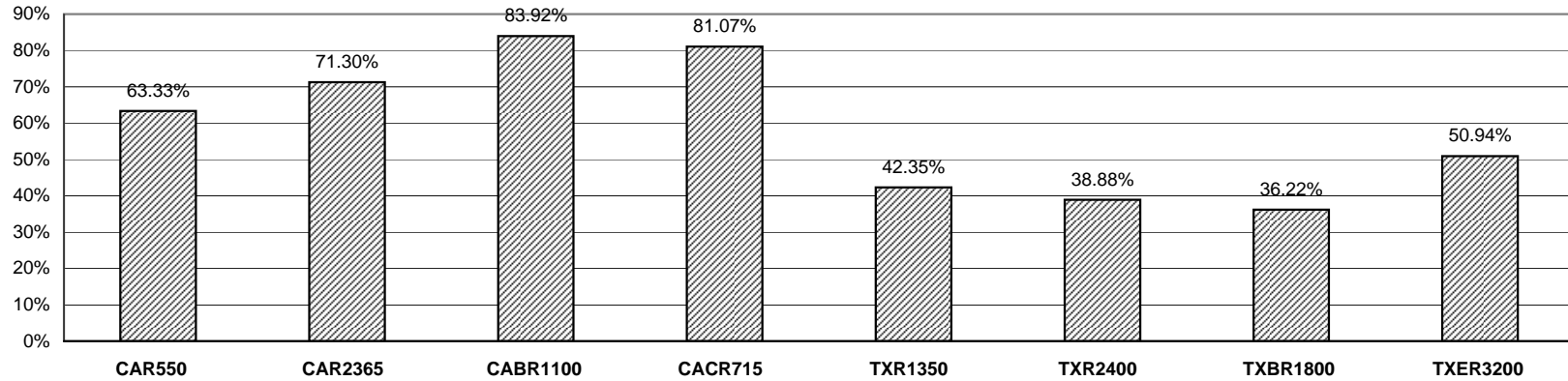


Table 10. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Rice.

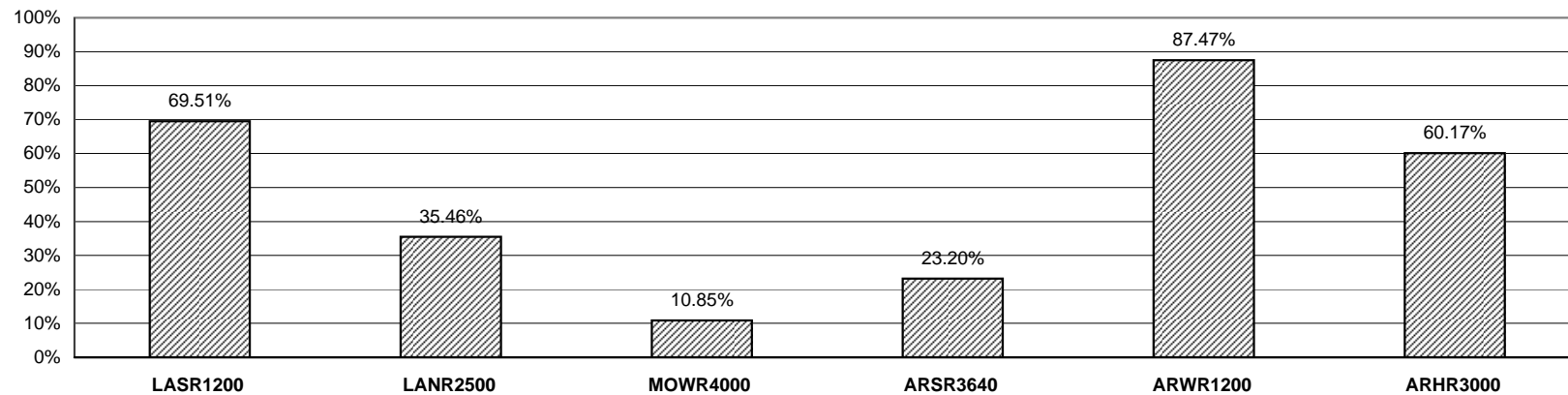
	LASR1200	LANR2500	MOWR4000	ARSR3640	ARWR1200	ARHR3000
<b>Overall Financial Position</b>						
2007-2012 Ranking	Poor	Poor	Marginal	Poor	Poor	Poor
<b>Change Real Net Worth (%)</b>						
2007-2012 Average	109.55	-6.15	4.08	-0.10	-19.82	-9.47
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>						
	48.61	12.03	-21.56	-0.85	45.16	19.48
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>						
	69.51	35.46	10.85	23.20	87.46	60.17
<b>Govt Payments/Receipts (%)</b>						
2007-2012 Average	17.29	15.76	15.49	15.53	16.06	16.32
<b>Cost to Receipts Ratio (%)</b>						
2007-2012 Average	154.38	112.59	89.06	91.67	152.28	129.95
<b>Total Cash Receipts (\$1000)</b>						
2005	355.01	1,093.97	1,707.45	1,025.82	492.10	1,333.53
2006	400.67	1,216.50	1,911.34	1,148.10	559.00	1,525.20
2007	359.77	1,141.05	1,790.02	1,079.62	517.19	1,380.53
2008	367.59	1,166.87	1,839.00	1,116.08	532.97	1,417.63
2009	374.96	1,183.39	1,869.47	1,135.78	542.30	1,448.31
2010	379.57	1,192.64	1,887.00	1,142.22	547.84	1,460.79
2011	382.63	1,199.98	1,894.80	1,150.01	551.92	1,475.71
2012	388.75	1,215.58	1,920.57	1,166.06	560.45	1,502.54
2007-2012 Average	375.55	1,183.25	1,866.81	1,131.63	542.11	1,447.58
<b>Government Payments (\$1000)</b>						
2005	74.53	251.71	320.89	196.30	98.11	273.81
2006	49.49	178.49	220.58	141.53	68.06	178.38
2007	60.66	188.80	264.45	164.07	82.24	223.68
2008	70.40	202.77	302.12	185.14	93.71	258.62
2009	65.34	189.39	284.61	175.79	87.53	239.96
2010	61.41	178.90	268.85	167.97	83.20	226.17
2011	60.51	175.01	264.84	165.21	82.24	222.43
2012	57.71	167.49	255.36	160.53	78.90	211.60
2007-2012 Average	62.67	183.73	273.37	169.79	84.64	230.41
<b>Net Cash Farm Income (\$1000)</b>						
2005	-83.67	-7.31	330.20	191.49	-88.07	-129.69
2006	-73.80	52.82	464.48	254.57	-69.87	-57.42
2007	-133.34	-48.68	319.23	149.94	-176.33	-260.17
2008	-151.93	-77.35	318.65	162.20	-203.12	-312.82
2009	-167.82	-112.03	315.31	140.62	-229.89	-358.73
2010	-193.96	-138.59	314.68	129.71	-274.90	-411.89
2011	-216.75	-197.43	302.62	111.22	-319.87	-470.40
2012	-237.10	-224.70	312.18	86.13	-372.79	-527.56
2007-2012 Average	-183.48	-133.13	313.78	129.97	-262.82	-390.26
<b>Ending Cash Reserves (\$1000)</b>						
2005	-157.07	-196.28	-52.32	-16.21	-182.33	-441.94
2006	-307.30	-352.11	-31.09	-2.73	-359.13	-791.09
2007	-522.42	-633.89	-240.92	-155.60	-749.37	-1,402.80
2008	-722.59	-910.24	-315.76	-237.61	-1,093.72	-2,002.72
2009	-943.80	-1,253.95	-457.07	-434.40	-1,489.10	-2,714.32
2010	-1,192.99	-1,629.91	-584.99	-660.50	-1,986.84	-3,455.55
2011	-1,457.99	-2,146.54	-755.06	-930.89	-2,527.23	-4,256.65
2012	-1,745.31	-2,716.27	-923.73	-1,240.92	-3,047.96	-5,131.59
<b>Nominal Net Worth (\$1000)</b>						
2005	96.30	2,602.30	6,515.08	2,753.48	1,606.63	3,354.05
2006	-11.74	2,823.32	7,518.43	3,062.25	1,605.20	3,597.43
2007	-184.84	2,810.91	7,980.31	3,110.73	1,360.57	3,423.74
2008	-374.98	2,756.99	8,489.42	3,222.80	1,132.79	3,201.20
2009	-581.88	2,669.75	9,067.43	3,273.99	891.64	2,959.72
2010	-808.79	2,459.09	9,383.01	3,223.63	528.39	2,555.57
2011	-1,073.03	2,116.60	9,629.74	3,170.80	120.99	2,054.94
2012	-1,356.67	1,773.31	9,906.71	3,088.43	-250.78	1,482.88
<b>Prob. of Negative Ending Cash (%)</b>						
2007	99	99	72	85	99	99
2008	99	99	71	84	99	99
2009	99	99	76	94	99	99
2010	99	99	81	98	99	99
2011	99	99	82	99	99	99
2012	99	99	87	99	99	99
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>						
	99	99	1	32	99	99

## Figure 30. Rice Farms

**Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012**



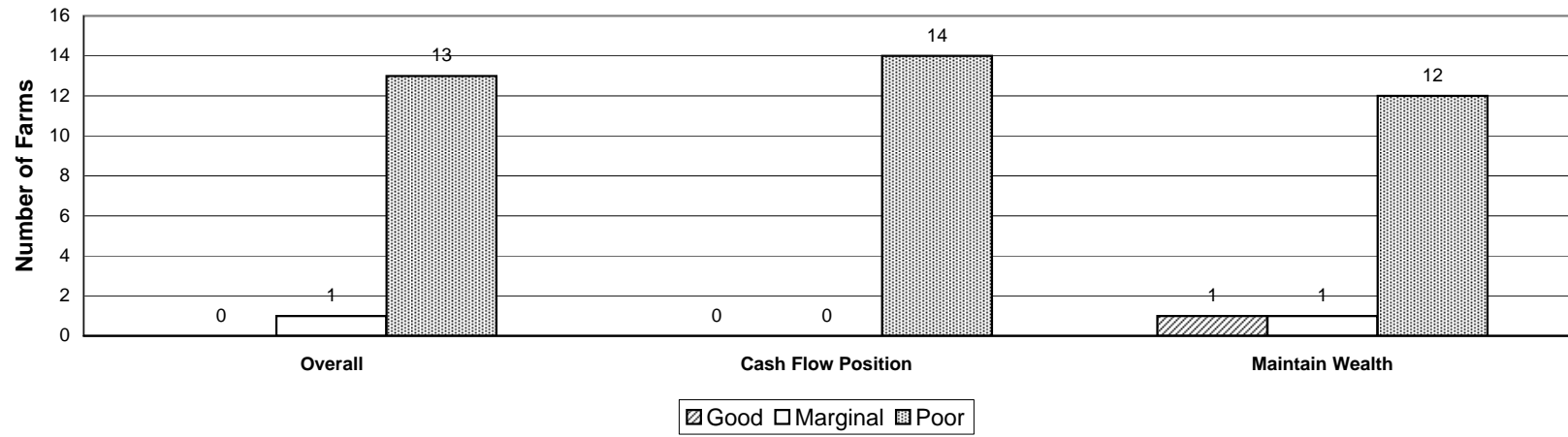
**Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012**





# Figure 31. Rice Farms

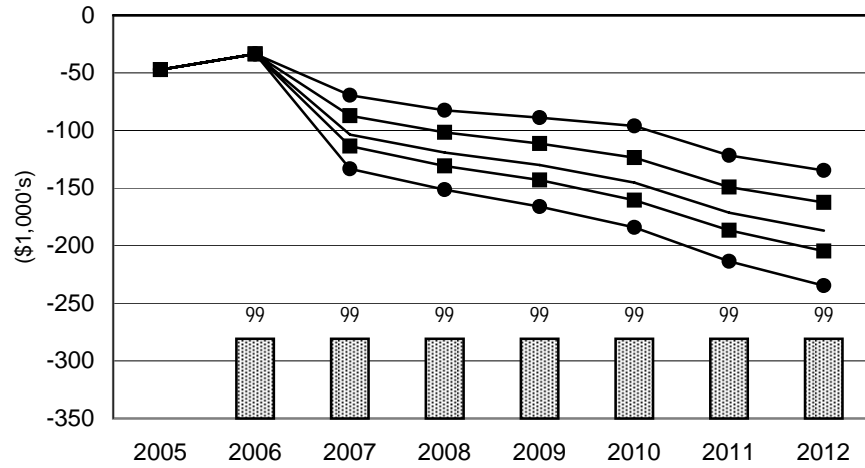
Economic and Financial Position Over the Period, 2007-2012, for all Rice Farms



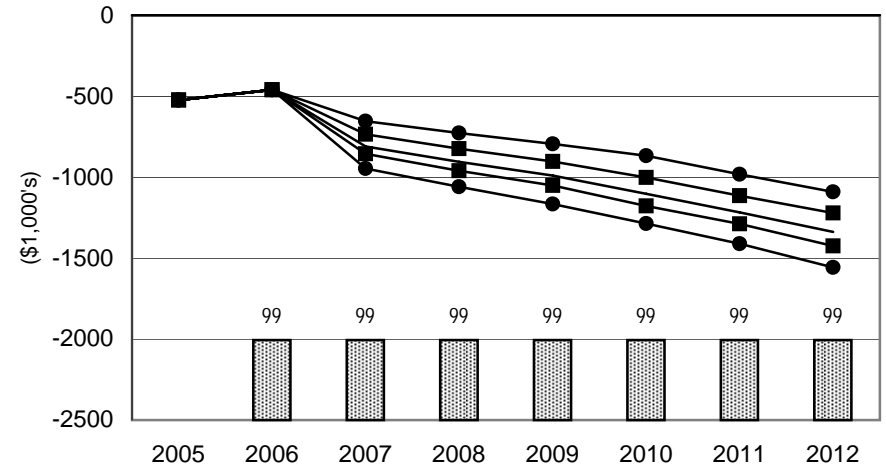
**Figure 32. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Rice Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

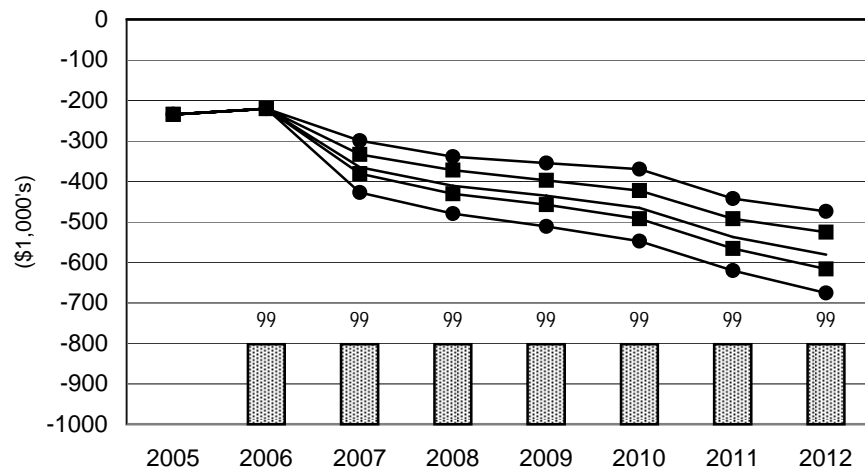
**CAR550 California Rice Farm**



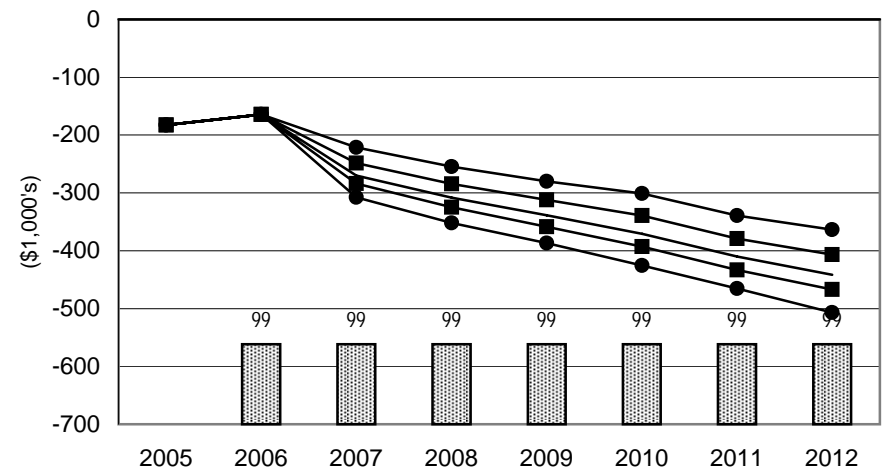
**CAR2365 Large California Rice Farm**



**CABR1100 California Rice Farm**



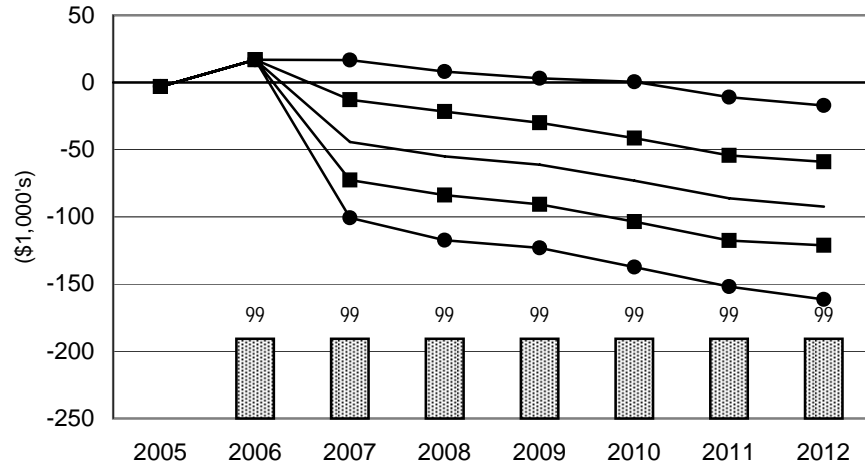
**CACR715 California Rice Farm**



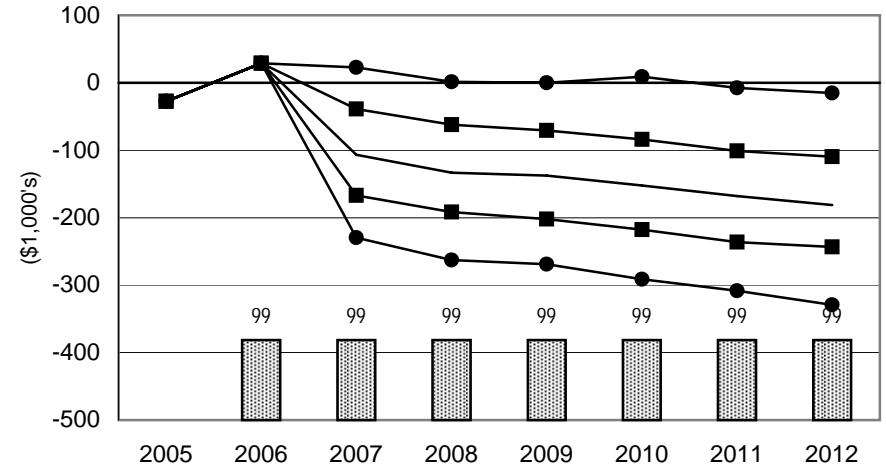
**Figure 33. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Rice Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

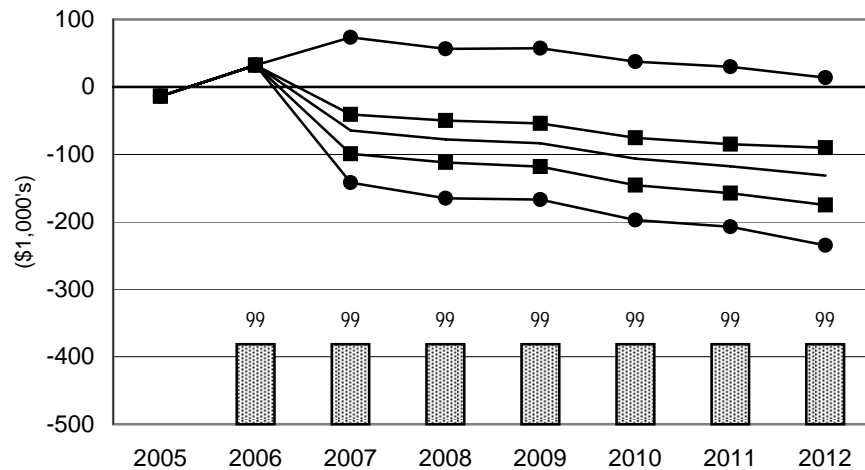
**TXR1350 Texas Rice Farm**



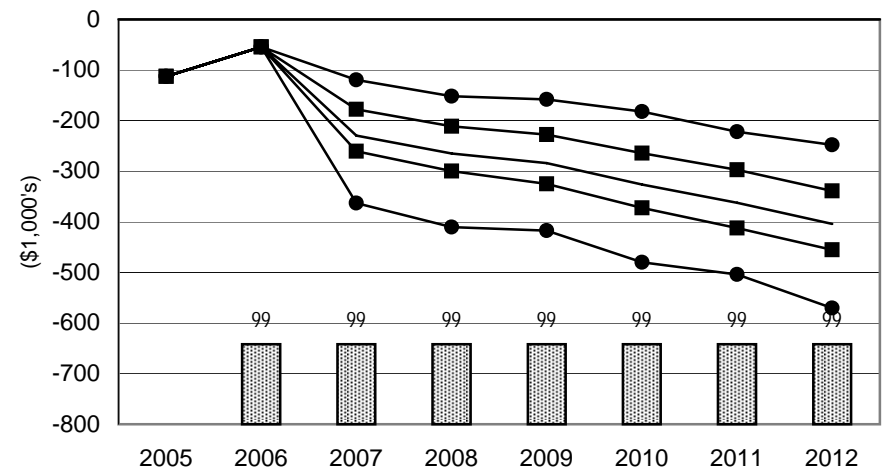
**TXR2400 Large Texas Rice Farm**



**TXBR1800 Texas Bay City Rice Farm**



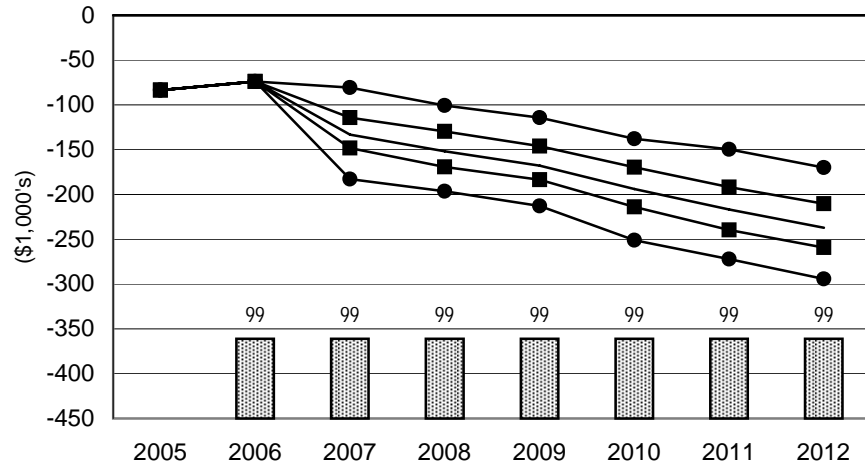
**TXER3200 Texas El Campo Rice Farm**



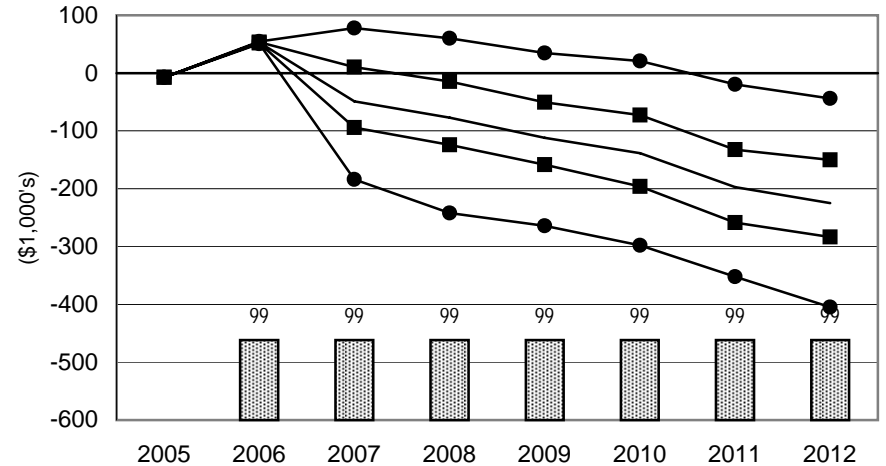
**Figure 34. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Rice Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

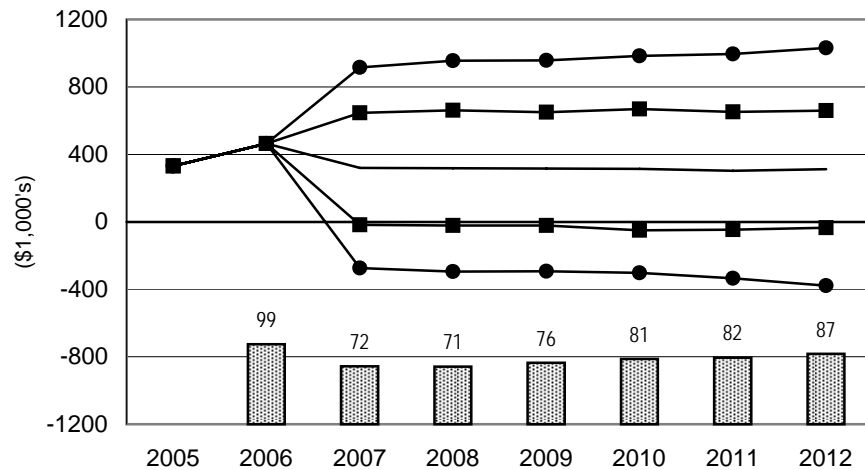
**LASR1200 Southwest Louisiana Rice Farm**



**LANR2500 Northeast Louisiana Rice Farm**



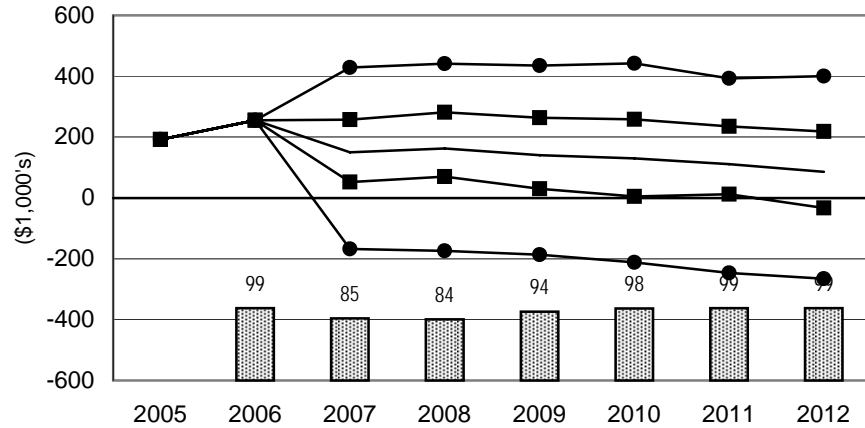
**MOWR4000 Missouri Rice Farm**



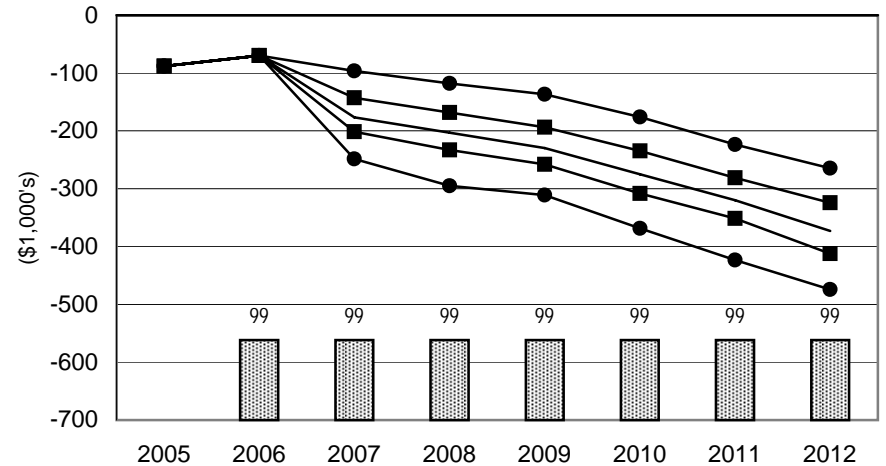
**Figure 35. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Rice Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

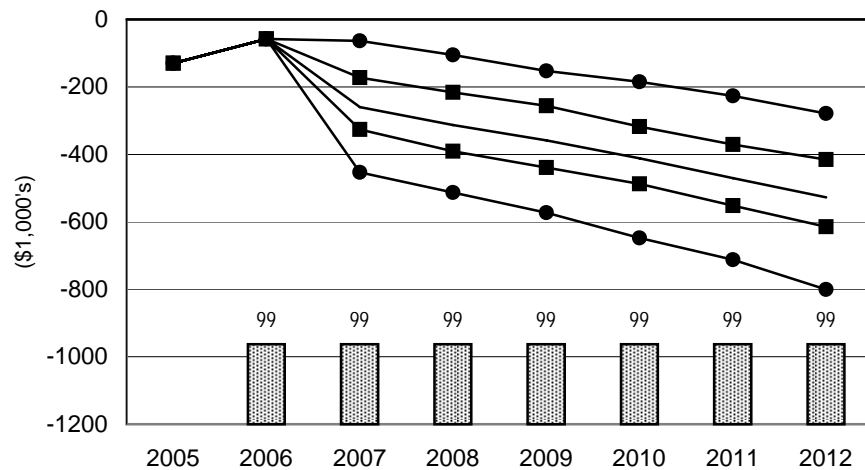
**ARSR3640 Large East Central Arkansas Rice Farm**



**ARWR1200 East Central Arkansas Rice Farm**



**ARHR3000 Northeast Arkansas Rice Farm**





# Figure 36. Representative Farms Producing Milk

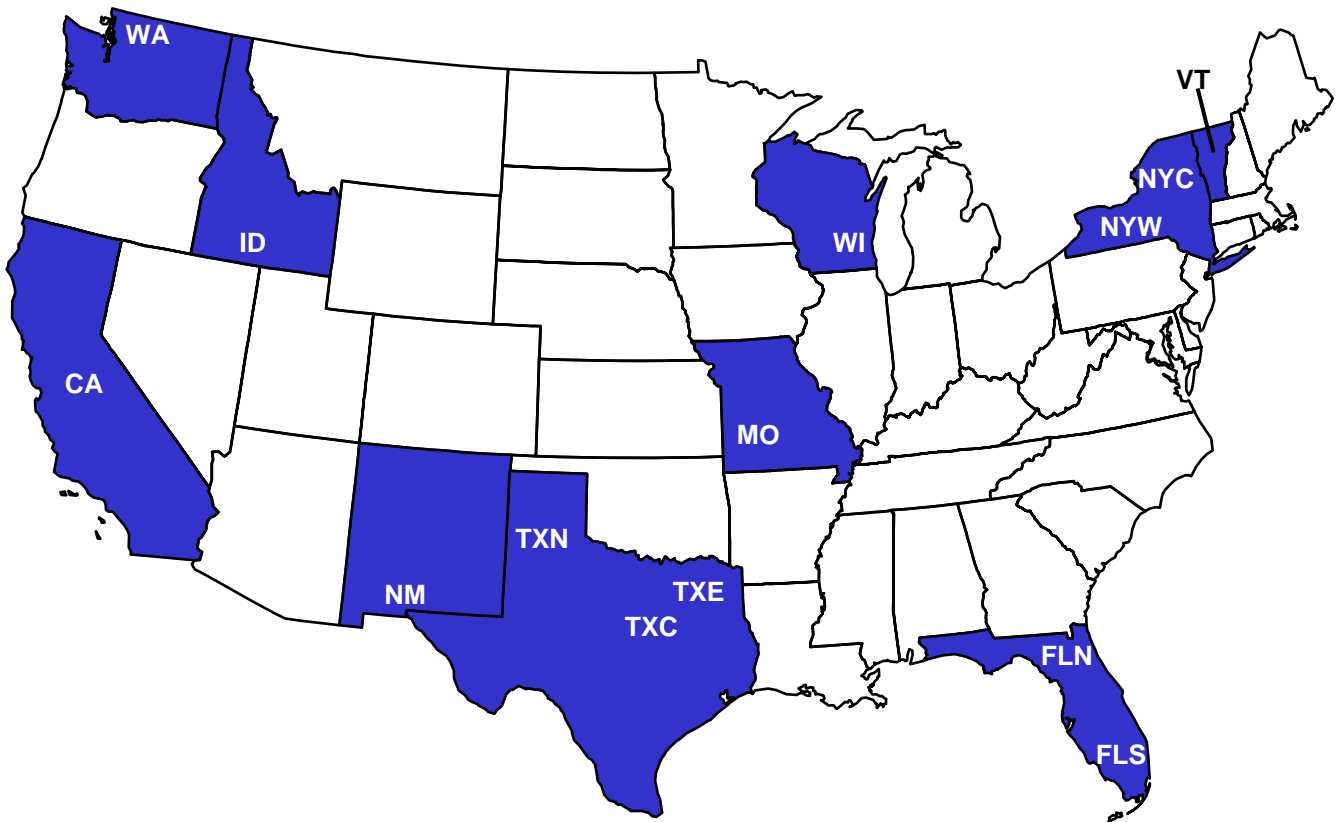


Table 11. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Milk.

	CAD1710	NMD2125	WAD250	WAD850	IDD1000	IDD3000	TXND3000	TXCD550	TXCD1300
<b>Overall Financial Position</b>									
2007-2012 Ranking	Good	Good	Marginal	Poor	Poor	Good	Poor	Poor	Good
<b>Change Real Net Worth (%)</b>									
2007-2012 Average	3.17	4.06	3.66	-3.00	1.06	3.12	-5.24	-15.37	2.26
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>									
	-12.02	-10.73	-16.06	5.15	-3.12	-10.54	6.95	16.86	-5.34
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>									
	-4.32	-8.77	0.68	14.12	3.70	-3.86	7.16	25.86	-5.91
<b>Govt Payments/Receipts (%)</b>									
2007-2012 Average	0.38	0.01	0.26	0.45	0.02	0.23	0.01	0.05	0.02
<b>Cost to Receipts Ratio (%)</b>									
2007-2012 Average	102.36	100.91	97.50	130.53	109.32	105.36	115.12	135.68	103.41
<b>Total Cash Receipts (\$1000)</b>									
2005	6,028.50	7,265.65	935.24	3,200.91	3,786.18	11,108.90	9,747.66	1,678.43	4,431.09
2006	5,121.00	6,351.84	816.06	2,730.04	3,296.48	9,574.87	8,537.01	1,492.19	3,938.97
2007	5,575.98	6,828.44	859.96	2,917.38	3,503.65	10,204.68	9,239.43	1,595.22	4,214.79
2008	5,598.61	6,882.20	860.69	2,927.58	3,537.54	10,315.29	9,309.38	1,605.16	4,247.51
2009	5,677.23	6,983.80	872.31	2,969.17	3,592.84	10,483.99	9,444.54	1,628.52	4,310.29
2010	5,720.74	7,041.16	878.57	2,992.08	3,626.15	10,586.62	9,521.99	1,642.19	4,349.01
2011	5,806.48	7,157.97	891.90	3,039.47	3,688.07	10,772.27	9,679.07	1,669.52	4,420.85
2012	5,863.30	7,235.36	900.68	3,069.66	3,727.19	10,887.64	9,781.85	1,688.02	4,469.38
2007-2012 Average	5,707.06	7,021.49	877.35	2,985.89	3,612.57	10,541.75	9,496.05	1,638.10	4,335.31
<b>Government Payments (\$1000)</b>									
2005	42.75	0.00	6.41	37.68	0.00	76.78	0.00	0.00	0.00
2006	39.86	14.71	17.06	32.32	14.71	50.97	14.71	14.71	14.71
2007	22.05	3.47	4.80	13.46	3.47	23.46	3.47	3.47	3.47
2008	18.65	0.00	1.33	10.01	0.00	20.02	0.00	0.00	0.00
2009	18.67	0.00	1.33	10.01	0.00	20.01	0.00	0.00	0.00
2010	18.65	0.00	1.34	10.01	0.00	20.02	0.00	0.00	0.00
2011	18.68	0.00	1.34	10.04	0.00	20.09	0.00	0.00	0.00
2012	18.70	0.00	1.35	10.08	0.00	20.17	0.00	0.00	0.00
2007-2012 Average	19.24	0.58	1.92	10.60	0.58	20.63	0.58	0.58	0.58
<b>Net Cash Farm Income (\$1000)</b>									
2005	1,605.54	2,058.42	251.11	491.57	740.30	2,959.13	1,673.99	122.53	1,126.44
2006	393.35	721.22	97.56	-146.13	71.93	925.54	-184.37	-196.58	367.37
2007	546.56	947.33	127.92	-48.34	145.25	1,072.03	-49.94	-219.73	431.70
2008	443.04	899.60	110.91	-129.63	103.15	1,001.44	-218.77	-275.56	379.22
2009	453.20	925.64	116.96	-150.27	109.60	1,042.33	-255.44	-308.10	394.35
2010	438.18	903.43	119.80	-178.87	82.51	1,033.50	-350.24	-345.48	388.63
2011	471.77	961.49	131.24	-182.30	101.12	1,128.96	-345.51	-369.35	417.99
2012	475.56	988.11	133.90	-215.65	101.26	1,170.04	-385.47	-403.13	434.74
2007-2012 Average	471.38	937.60	123.46	-150.84	107.15	1,074.72	-267.56	-320.23	407.77
<b>Ending Cash Reserves (\$1000)</b>									
2005	652.27	906.26	82.83	198.02	326.81	1,219.09	806.49	61.74	540.27
2006	672.52	996.51	56.77	-124.71	265.65	1,279.03	348.16	-201.67	589.58
2007	808.74	1,245.82	60.35	-316.63	188.92	1,355.86	-62.79	-489.71	689.99
2008	854.35	1,446.65	35.60	-613.78	79.43	1,399.81	-664.69	-848.65	737.58
2009	898.52	1,613.11	9.79	-983.50	-35.07	1,389.92	-1,320.06	-1,254.06	789.23
2010	920.74	1,755.38	-1.79	-1,383.26	-240.00	1,390.40	-2,062.38	-1,698.85	841.62
2011	951.10	2,009.77	-6.64	-1,744.58	-392.07	1,449.75	-2,796.66	-2,150.16	937.12
2012	945.20	2,245.55	-24.64	-2,158.91	-535.30	1,498.31	-3,590.55	-2,612.91	1,037.21
<b>Nominal Net Worth (\$1000)</b>									
2005	11,089.82	8,931.64	2,306.34	5,559.39	5,440.16	17,802.51	11,859.46	2,371.22	5,586.65
2006	11,755.70	9,195.87	2,473.06	5,413.80	5,579.38	18,601.87	11,167.33	2,154.51	5,600.95
2007	12,379.74	9,683.94	2,616.77	5,398.63	5,707.63	19,368.61	10,788.50	1,932.70	5,765.86
2008	12,974.60	10,151.50	2,754.29	5,295.15	5,828.78	20,194.90	10,238.44	1,660.32	5,896.52
2009	13,616.99	10,613.42	2,908.36	5,167.39	5,961.40	21,041.96	9,599.18	1,355.55	6,022.74
2010	13,902.37	10,934.30	2,997.92	4,891.83	5,906.85	21,474.90	8,825.87	976.74	6,107.65
2011	14,265.08	11,391.89	3,091.69	4,690.45	5,943.96	22,091.46	8,173.87	599.41	6,286.47
2012	14,669.19	11,904.44	3,180.25	4,439.53	6,038.41	22,855.22	7,560.96	219.27	6,487.23
<b>Prob. of Negative Ending Cash (%)</b>									
2007	4	4	11	79	17	5	41	99	5
2008	8	7	23	87	26	10	59	99	8
2009	11	10	33	93	34	14	65	99	11
2010	14	12	35	97	43	16	73	99	14
2011	18	13	36	98	50	19	80	99	16
2012	20	14	41	98	54	22	84	99	18
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>									
	1	1	1	28	4	1	17	94	2



Table 12. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Milk.

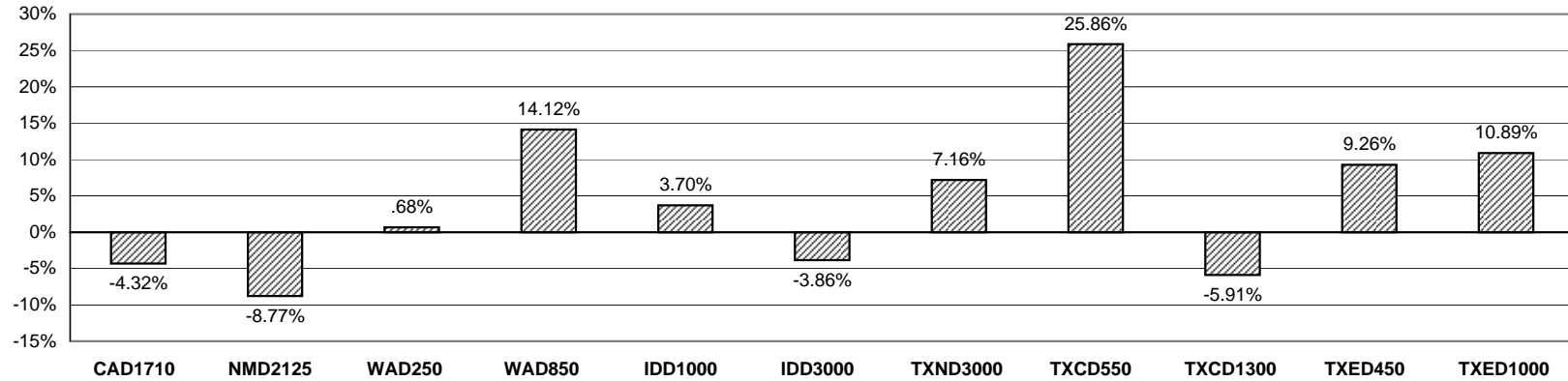
	TXED450	TXED1000	WID145	WID775	NYWD800	NYWD1200	NYCD110	NYCD500
<b>Overall Financial Position</b>								
2007-2012 Ranking	Poor	Poor	Marginal	Good	Poor	Poor	Good	Marginal
<b>Change Real Net Worth (%)</b>								
2007-2012 Average	-0.80	-3.06	3.84	6.40	-2.90	-2.16	6.56	2.62
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>								
	0.71	5.39	-25.72	-22.66	3.62	3.01	-24.36	-8.22
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>								
	9.26	10.89	-0.78	-21.77	14.18	10.26	-22.78	1.70
<b>Govt Payments/Receipts (%)</b>								
2007-2012 Average	0.06	0.03	0.72	0.39	0.76	0.68	0.94	0.65
<b>Cost to Receipts Ratio (%)</b>								
2007-2012 Average	116.42	124.51	92.06	89.71	122.89	118.67	77.25	105.64
<b>Total Cash Receipts (\$1000)</b>								
2005	1,351.45	3,251.04	621.85	3,311.54	3,272.41	4,883.42	506.72	2,155.73
2006	1,208.20	2,869.79	551.55	2,886.98	2,808.47	4,192.58	453.26	1,870.67
2007	1,266.50	3,043.34	564.32	3,006.31	3,040.60	4,541.13	475.54	2,011.92
2008	1,271.46	3,065.84	566.32	3,038.39	3,059.49	4,571.46	475.69	2,023.87
2009	1,288.14	3,114.52	574.26	3,088.07	3,104.35	4,638.06	482.47	2,053.65
2010	1,286.89	3,143.55	579.31	3,122.13	3,132.08	4,679.48	486.78	2,072.78
2011	1,311.45	3,196.79	588.97	3,176.78	3,183.79	4,756.03	494.49	2,106.68
2012	1,323.96	3,229.87	595.70	3,212.71	3,218.66	4,807.62	499.81	2,129.72
2007-2012 Average	1,291.40	3,132.32	578.15	3,107.40	3,123.16	4,665.63	485.80	2,066.43
<b>Government Payments (\$1000)</b>								
2005	0.00	0.00	9.79	36.31	39.79	54.79	7.07	22.06
2006	14.71	14.71	19.53	31.84	49.06	61.99	20.72	33.76
2007	3.47	3.47	6.42	12.92	23.01	30.29	6.89	14.31
2008	0.00	0.00	2.98	9.46	19.56	26.85	3.43	10.85
2009	0.00	0.00	2.98	9.46	19.56	26.85	3.43	10.85
2010	0.00	0.00	3.01	9.46	19.56	26.84	3.43	10.85
2011	0.00	0.00	3.03	9.50	19.60	26.90	3.43	10.87
2012	0.00	0.00	3.06	9.53	19.65	26.97	3.44	10.90
2007-2012 Average	0.58	0.58	3.58	10.05	20.16	27.45	4.01	11.44
<b>Net Cash Farm Income (\$1000)</b>								
2005	243.54	588.62	205.09	1,267.20	503.30	835.99	205.34	500.52
2006	30.58	88.21	117.60	727.57	-96.58	-67.96	137.03	128.88
2007	35.23	59.41	116.97	718.69	-49.90	0.86	147.39	201.68
2008	8.96	-3.80	109.04	701.53	-127.94	-108.06	139.77	159.90
2009	2.35	-21.11	109.71	722.80	-156.78	-153.39	145.06	164.37
2010	-21.76	-53.09	98.29	737.02	-212.54	-207.04	148.28	159.25
2011	-18.41	-64.32	100.23	768.64	-234.09	-235.63	150.90	168.46
2012	-24.75	-91.20	107.08	783.17	-290.16	-288.73	155.01	170.60
2007-2012 Average	-3.06	-29.02	106.89	738.64	-178.57	-165.33	147.74	170.71
<b>Ending Cash Reserves (\$1000)</b>								
2005	121.99	283.11	106.98	637.82	214.38	477.52	104.29	197.73
2006	55.33	142.10	124.20	889.63	-121.19	104.27	149.67	168.59
2007	0.29	-25.86	141.04	1,128.89	-399.22	-136.14	198.46	179.71
2008	-91.69	-274.14	156.83	1,379.17	-714.21	-485.19	243.14	149.25
2009	-207.37	-572.66	163.72	1,603.47	-1,078.37	-923.66	285.52	91.46
2010	-345.61	-903.48	124.14	1,852.68	-1,477.51	-1,420.71	333.58	31.20
2011	-475.10	-1,249.07	71.85	2,099.74	-1,898.19	-2,007.60	374.92	-58.57
2012	-611.67	-1,625.99	18.50	2,371.94	-2,408.51	-2,612.03	428.84	-132.60
<b>Nominal Net Worth (\$1000)</b>								
2005	2,423.31	5,185.87	2,304.76	4,596.61	4,885.44	7,782.70	808.32	3,398.94
2006	2,478.87	5,038.60	2,565.89	5,020.17	4,902.60	7,779.88	899.90	3,579.65
2007	2,525.34	5,009.63	2,732.59	5,429.83	4,923.84	7,852.38	984.20	3,768.60
2008	2,548.28	4,909.20	2,917.85	5,854.17	4,888.74	7,817.50	1,064.07	3,917.93
2009	2,565.52	4,783.06	3,115.47	6,283.72	4,842.17	7,736.03	1,143.68	4,088.23
2010	2,498.76	4,541.88	3,179.39	6,638.32	4,625.09	7,438.50	1,212.42	4,152.09
2011	2,447.05	4,333.39	3,256.87	7,024.66	4,364.08	7,130.10	1,281.31	4,232.55
2012	2,403.73	4,112.31	3,353.41	7,459.69	4,094.55	6,833.26	1,363.93	4,341.01
<b>Prob. of Negative Ending Cash (%)</b>								
2007	37	40	4	3	94	53	3	7
2008	58	62	7	4	94	73	3	13
2009	72	72	9	4	97	83	3	21
2010	83	85	13	4	99	91	2	27
2011	88	90	20	2	99	95	1	36
2012	91	94	31	2	99	96	1	42
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>								
	8	20	1	1	23	17	1	1

Table 13. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Milk.

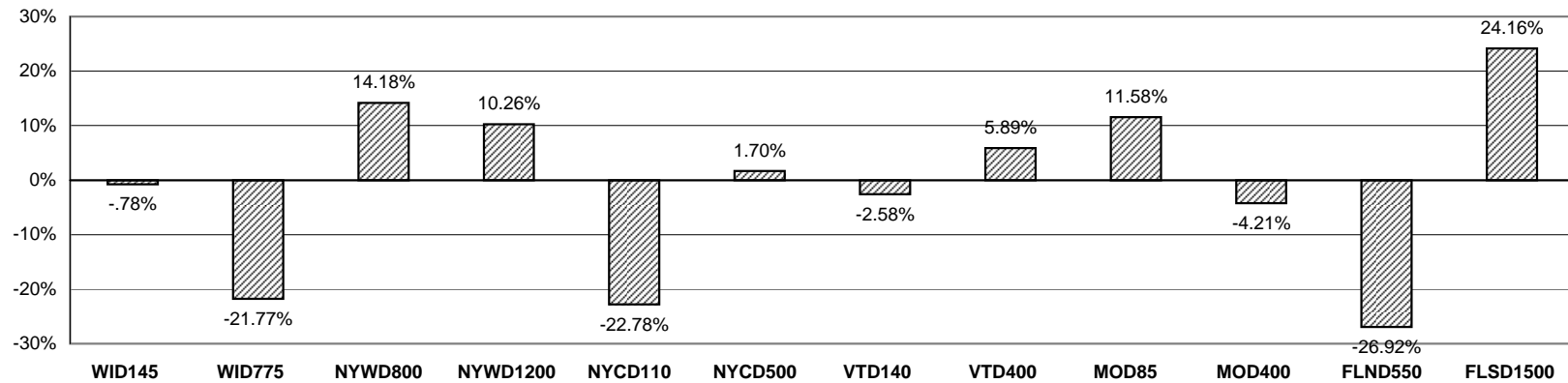
	VTD140	VTD400	MOD85	MOD400	FLND550	FLSD1500
<b>Overall Financial Position</b>						
2007-2012 Ranking	Good	Poor	Marginal	Good	Good	Poor
<b>Change Real Net Worth (%)</b>						
2007-2012 Average	3.13	0.93	3.53	3.73	7.67	-11.66
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>						
	-12.25	-4.06	-22.80	-15.00	-31.82	14.20
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>						
	-2.58	5.89	11.58	-4.21	-26.92	24.16
<b>Govt Payments/Receipts (%)</b>						
2007-2012 Average	0.83	1.03	0.18	0.06	0.04	0.02
<b>Cost to Receipts Ratio (%)</b>						
2007-2012 Average	89.99	105.06	90.12	101.12	82.32	213.97
<b>Total Cash Receipts (\$1000)</b>						
2005	604.40	1,617.31	271.99	1,431.52	1,987.91	5,122.40
2006	560.65	1,455.87	247.19	1,260.32	1,760.63	4,481.27
2007	585.54	1,544.95	252.61	1,317.92	1,847.13	4,739.25
2008	585.62	1,551.93	252.40	1,327.06	1,862.88	4,785.21
2009	593.02	1,573.16	255.77	1,347.61	1,892.08	4,860.54
2010	597.59	1,586.30	257.71	1,360.38	1,911.65	4,910.25
2011	606.99	1,611.63	261.76	1,383.37	1,944.31	4,995.56
2012	613.87	1,629.27	264.59	1,398.42	1,966.90	5,054.82
2007-2012 Average	597.10	1,582.87	257.48	1,355.79	1,904.16	4,890.94
<b>Government Payments (\$1000)</b>						
2005	8.14	29.39	0.00	0.00	0.00	0.00
2006	21.70	39.95	9.65	14.71	14.71	14.71
2007	7.32	17.39	2.31	3.47	3.47	3.47
2008	3.86	13.94	0.00	0.00	0.00	0.00
2009	3.86	13.94	0.00	0.00	0.00	0.00
2010	3.86	13.93	0.00	0.00	0.00	0.00
2011	3.87	13.97	0.00	0.00	0.00	0.00
2012	3.88	14.01	0.00	0.00	0.00	0.00
2007-2012 Average	4.44	14.53	0.38	0.58	0.58	0.58
<b>Net Cash Farm Income (\$1000)</b>						
2005	166.41	286.47	85.51	444.68	849.19	194.52
2006	97.65	56.80	50.76	207.44	503.02	-751.06
2007	114.10	118.40	47.42	198.19	548.40	-697.76
2008	101.20	83.91	41.38	173.22	514.31	-856.22
2009	103.95	84.57	41.53	176.42	549.64	-928.28
2010	103.50	75.79	41.31	176.91	579.29	-1,027.24
2011	105.66	74.45	43.00	190.81	620.40	-1,107.21
2012	107.69	66.43	43.82	196.13	644.37	-1,218.64
2007-2012 Average	106.02	83.92	43.08	185.28	576.07	-972.56
<b>Ending Cash Reserves (\$1000)</b>						
2005	77.44	128.74	26.34	211.15	373.01	76.15
2006	71.21	44.99	20.90	263.13	527.79	-794.57
2007	79.65	22.47	5.98	293.91	724.93	-1,589.62
2008	80.28	-47.61	-9.99	298.47	903.46	-2,554.91
2009	75.33	-121.92	-37.92	278.64	1,097.48	-3,599.08
2010	71.62	-204.18	-70.56	259.66	1,306.85	-4,756.91
2011	70.53	-304.01	-104.91	249.77	1,534.01	-5,998.88
2012	69.03	-416.27	-138.13	237.03	1,771.81	-7,357.01
<b>Nominal Net Worth (\$1000)</b>						
2005	1,288.98	3,258.84	1,141.56	3,137.05	3,306.96	7,586.66
2006	1,497.01	3,657.39	1,268.38	3,413.77	3,691.87	7,068.38
2007	1,566.23	3,762.68	1,346.85	3,621.70	4,067.39	6,560.42
2008	1,637.04	3,834.08	1,428.55	3,825.10	4,441.62	5,925.13
2009	1,715.02	3,927.40	1,515.45	4,035.65	4,848.43	5,238.89
2010	1,751.10	3,923.58	1,550.17	4,142.75	5,167.95	4,229.69
2011	1,803.98	3,936.15	1,586.00	4,275.70	5,525.45	3,210.39
2012	1,853.76	3,961.09	1,627.52	4,415.55	5,910.83	2,110.34
<b>Prob. of Negative Ending Cash (%)</b>						
2007	4	29	31	4	3	99
2008	10	45	53	7	2	99
2009	14	51	71	12	2	99
2010	16	59	87	15	1	99
2011	20	71	95	18	1	99
2012	23	77	98	21	1	99
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>						
	1	2	1	1	1	89

## Figure 37. Dairy Farms

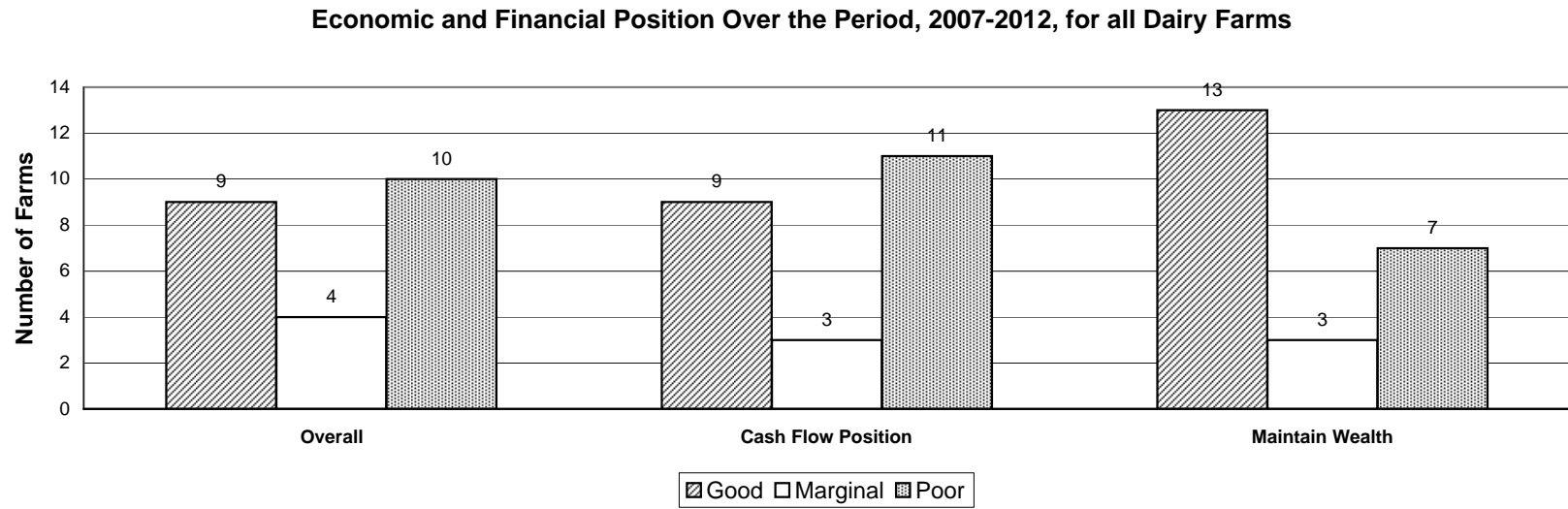
Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012



Minimum Annual Percentage Change in Receipts, 2007-2012, Needed to Have a Zero Ending Cash Balance in 2012



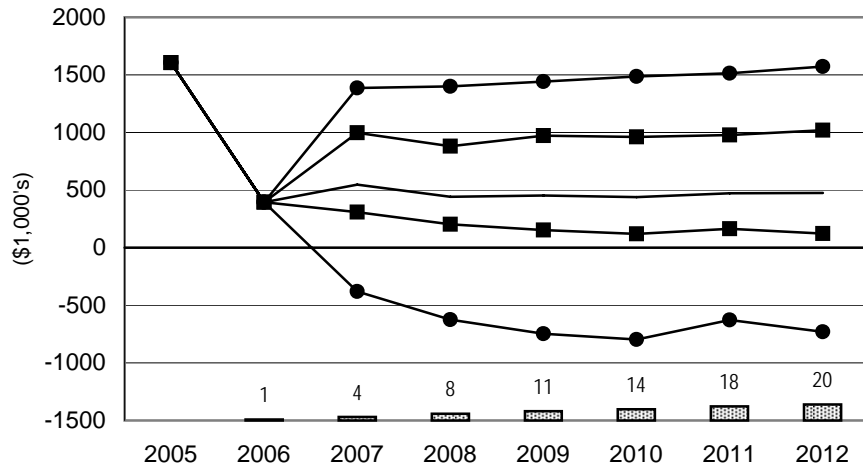
# Figure 38. Dairy Farms



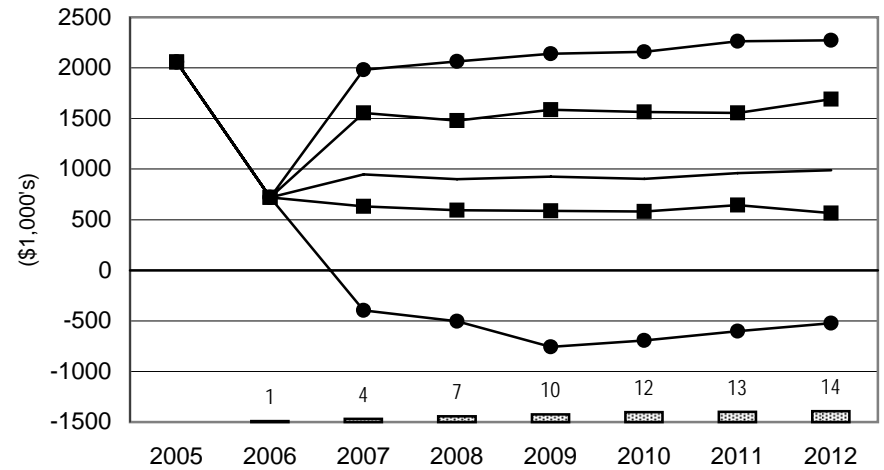
**Figure 39. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Dairy Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

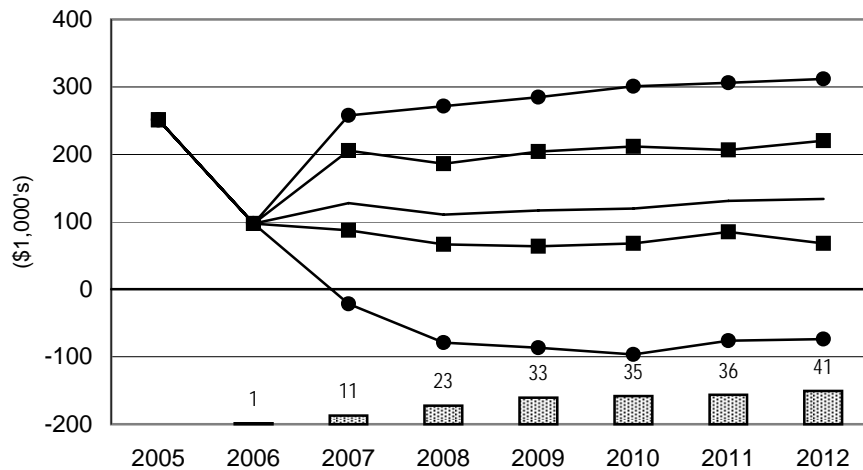
**CAD1710 California Dairy Farm**



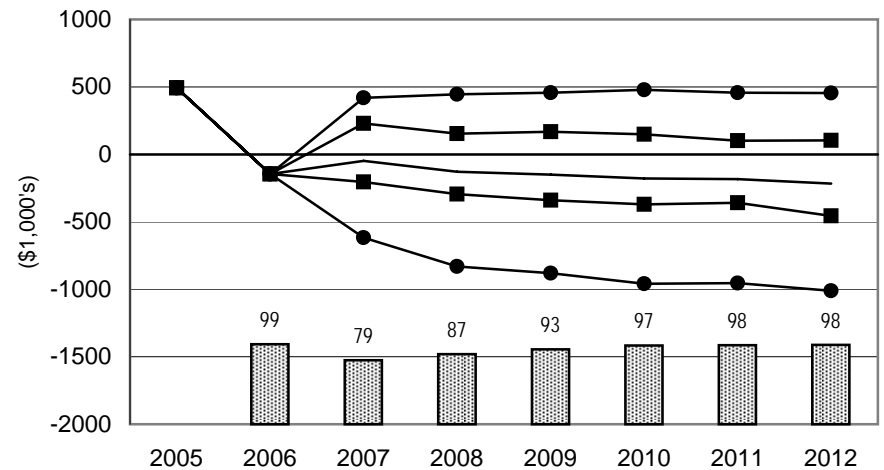
**NMD2125 New Mexico Dairy Farm**



**WAD250 Washington Dairy Farm**

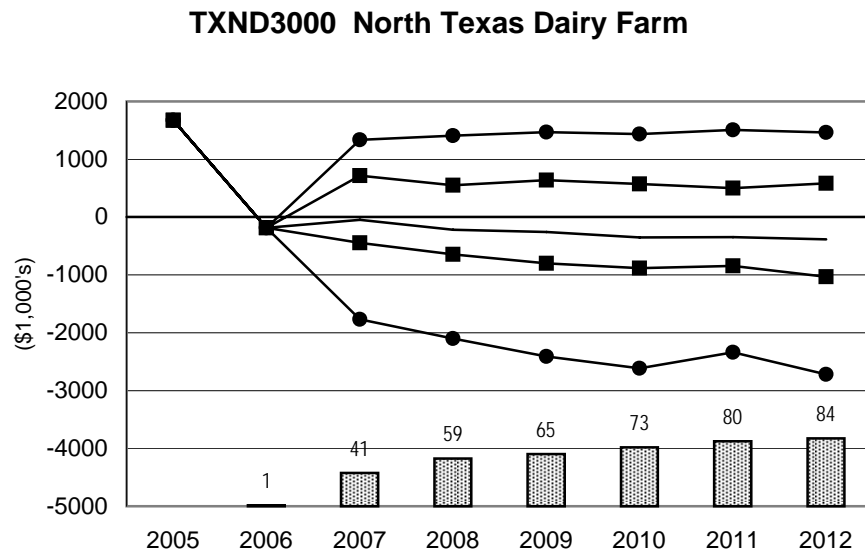
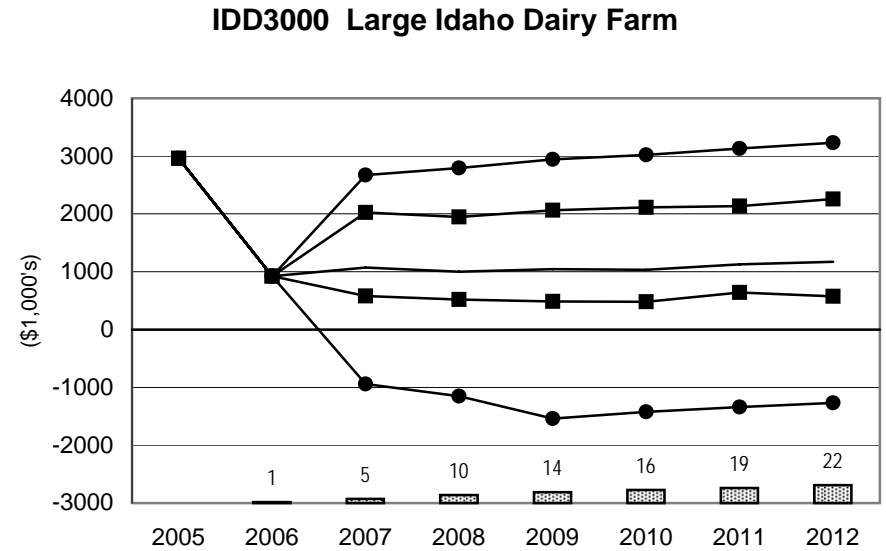
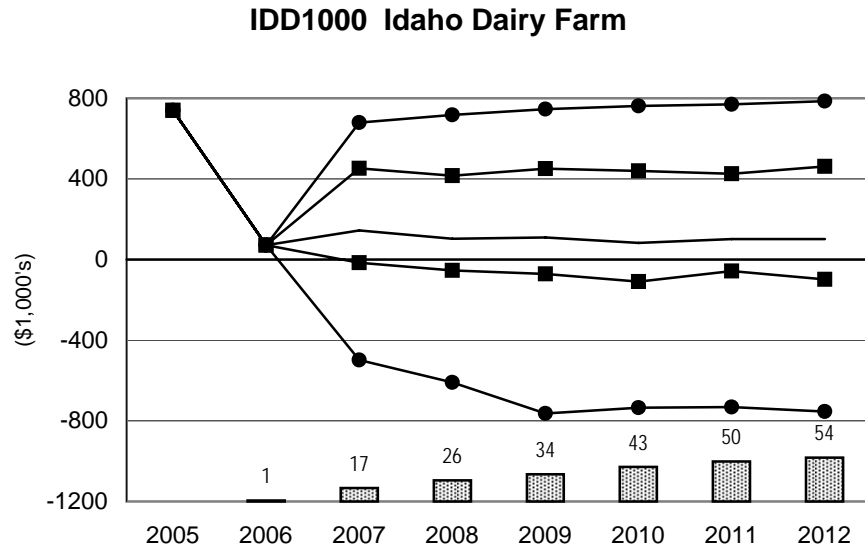


**WAD850 Large Washington Dairy Farm**



**Figure 40. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Dairy Farms**

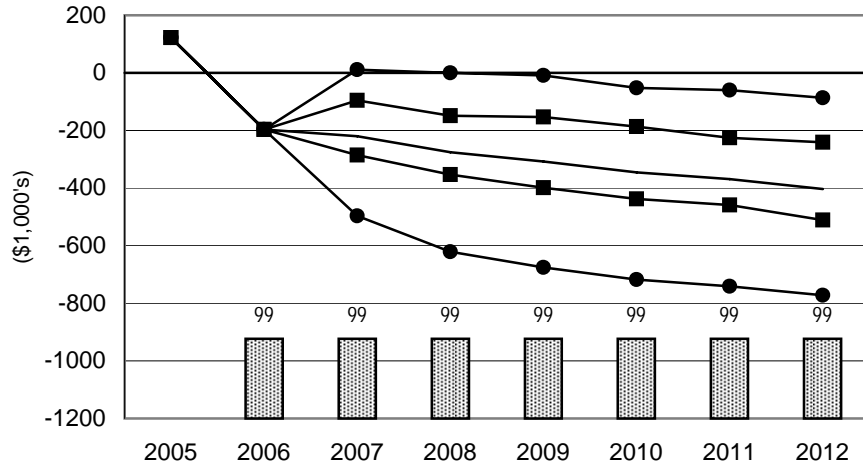
— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit



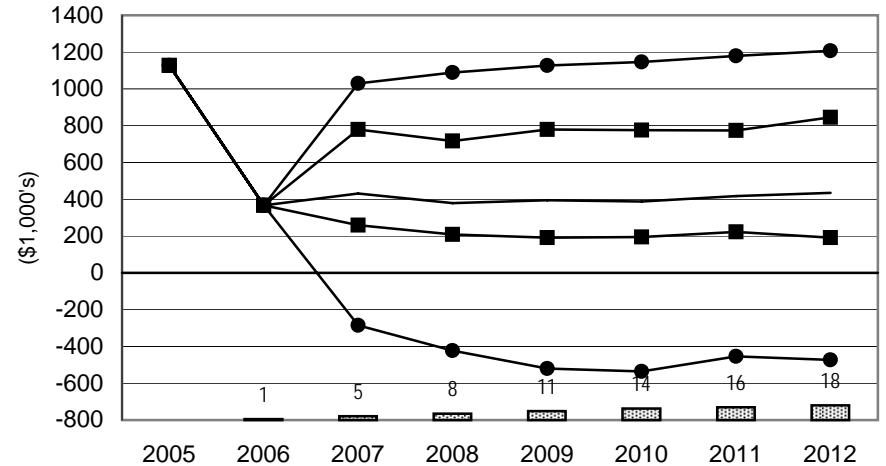
**Figure 41. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Dairy Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

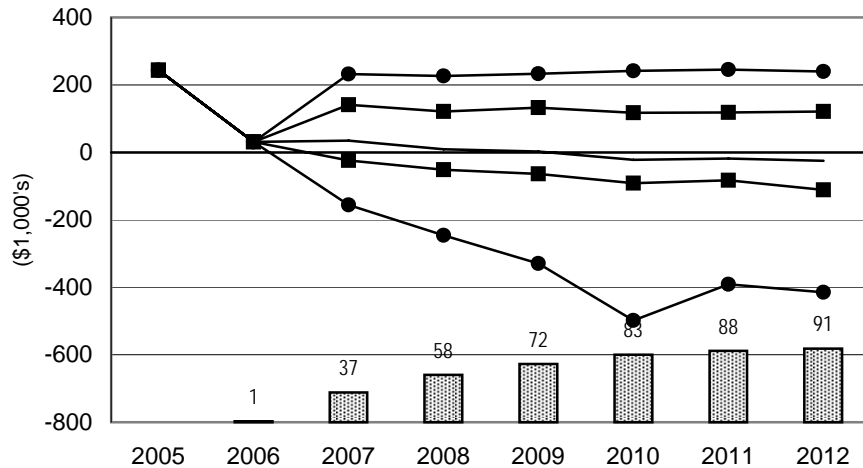
**TXCD550 Central Texas Dairy Farm**



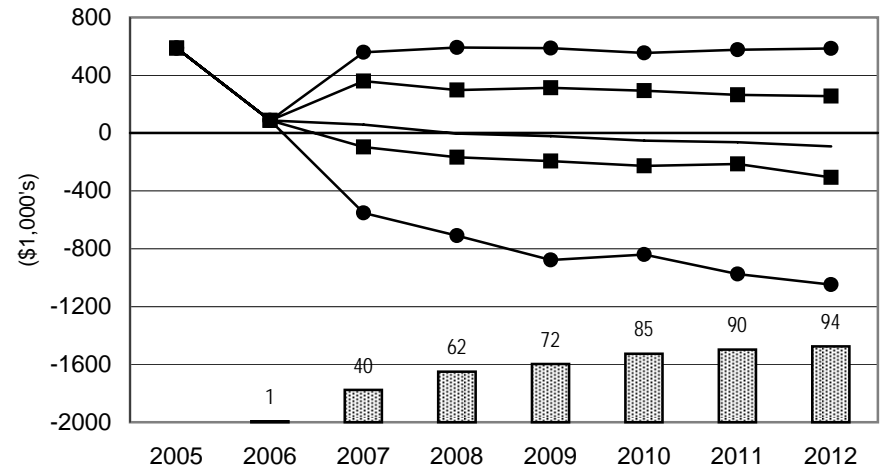
**TXCD1300 Large Central Texas Dairy Farm**



**TXED450 East Texas Dairy Farm**



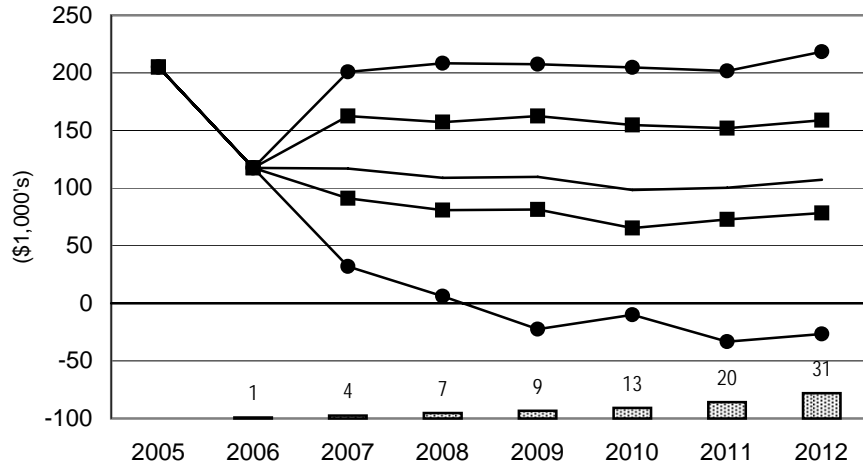
**TXED1000 Large East Texas Dairy Farm**



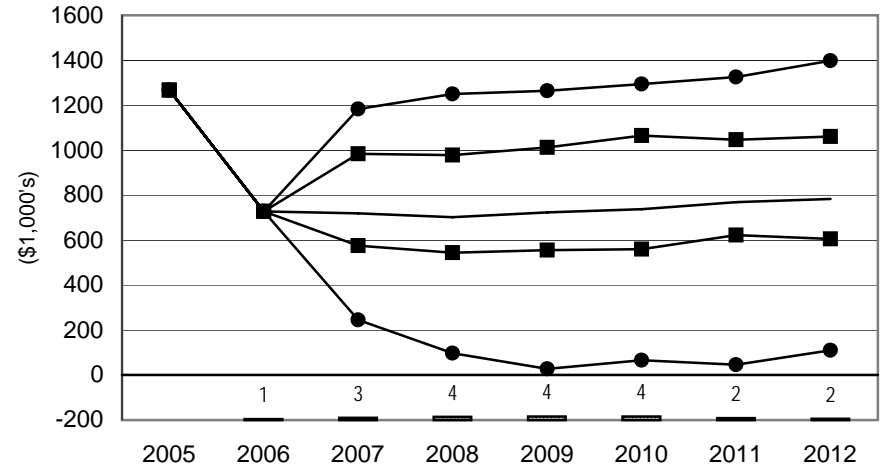
**Figure 42. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Dairy Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

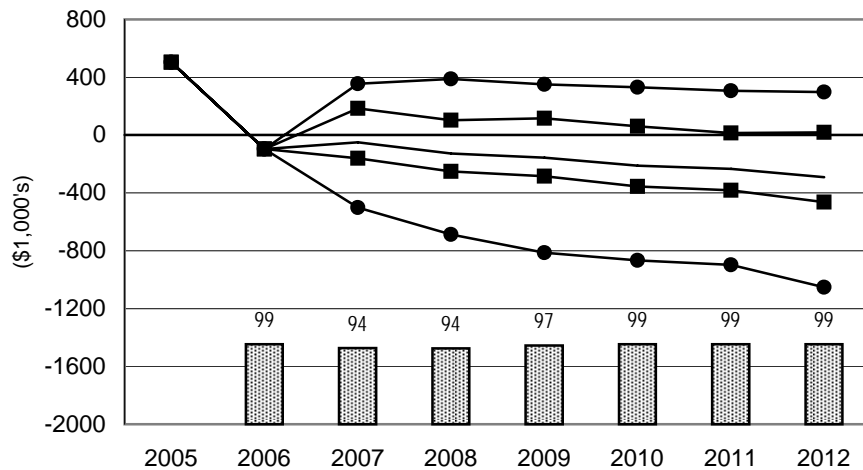
**WID145 Wisconsin Dairy Farm**



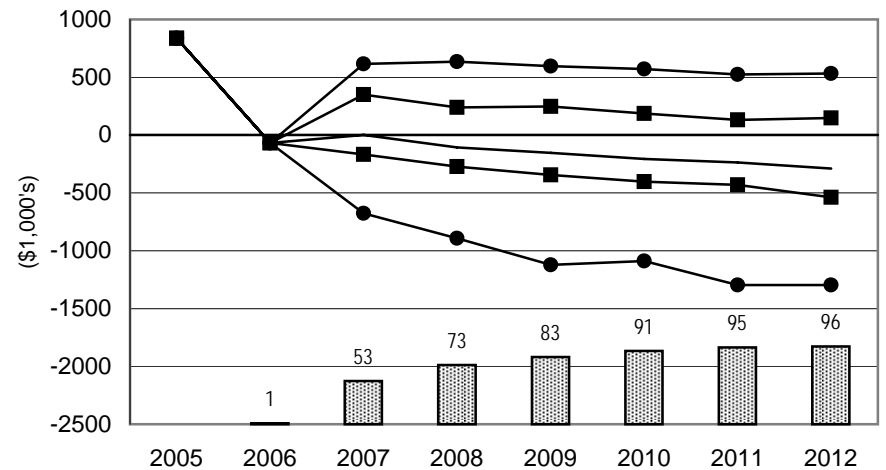
**WID775 Large Wisconsin Dairy Farm**



**NYWD800 Western New York Dairy Farm**



**NYWD1200 Large Western New York Dairy Farm**

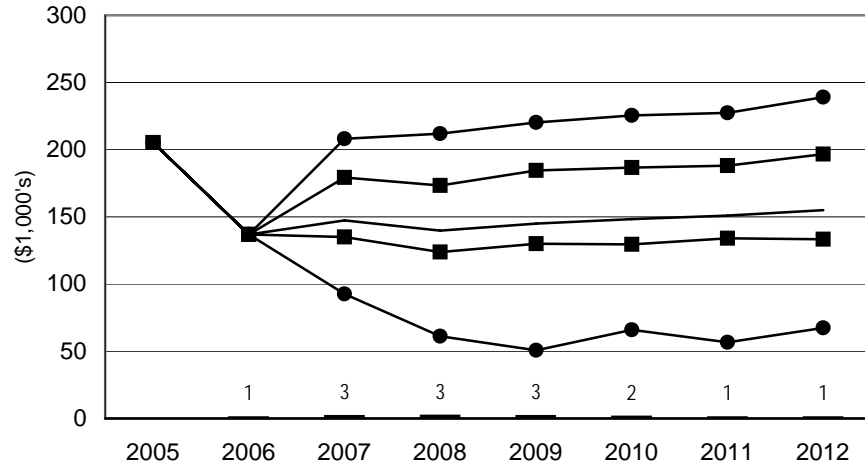




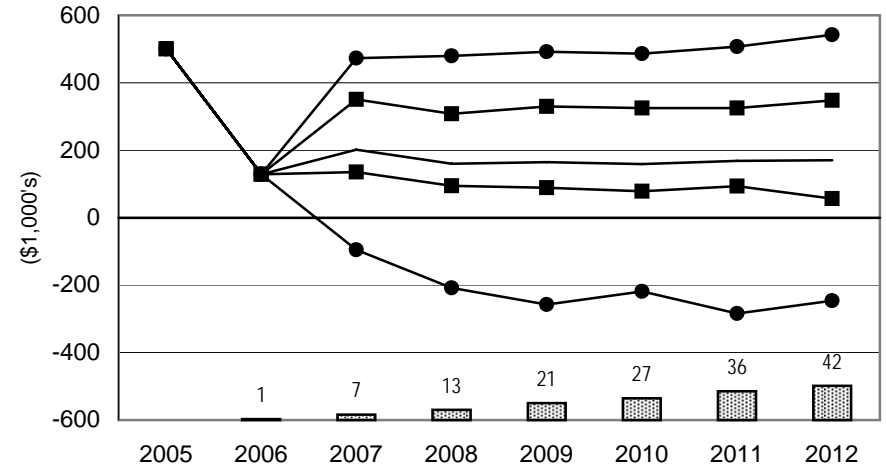
**Figure 43. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Dairy Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

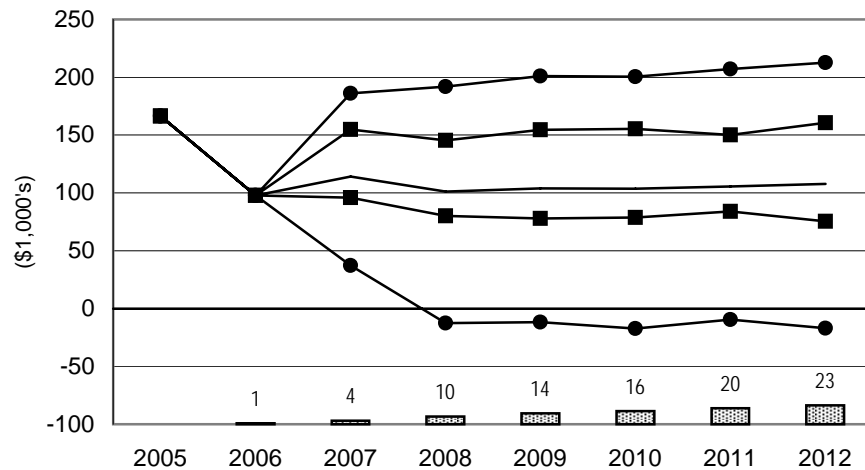
**NYCD110 Central New York Dairy Farm**



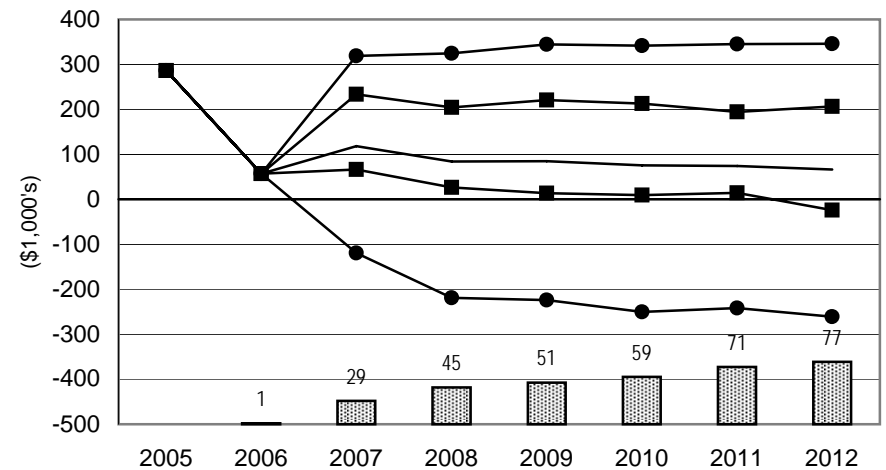
**NYCD500 Large Central New York Dairy Farm**



**VTD140 Vermont Dairy Farm**



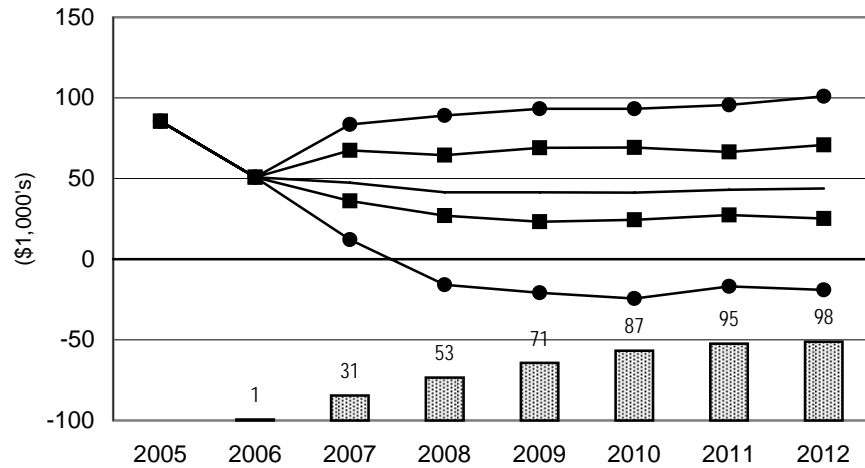
**VTD400 Large Vermont Dairy Farm**



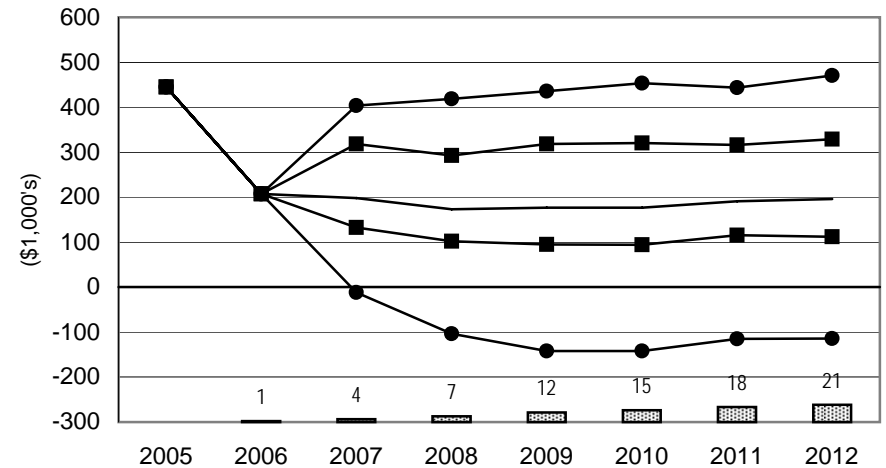
**Figure 44. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Dairy Farms**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

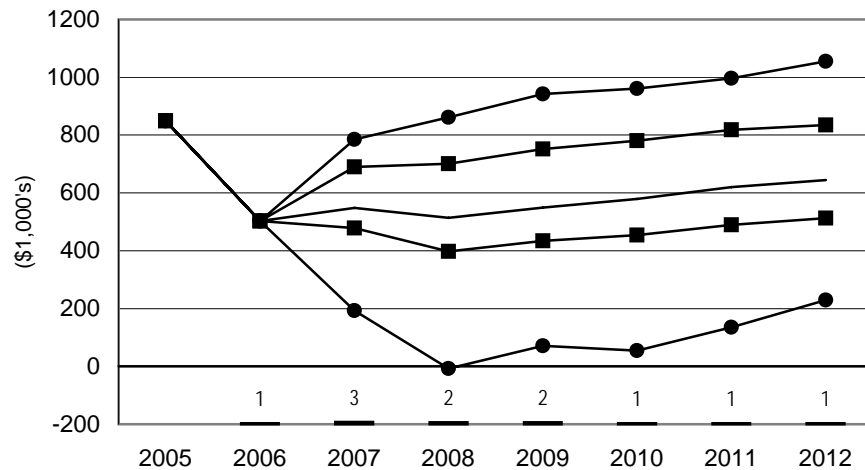
**MOD85 Missouri Dairy Farm**



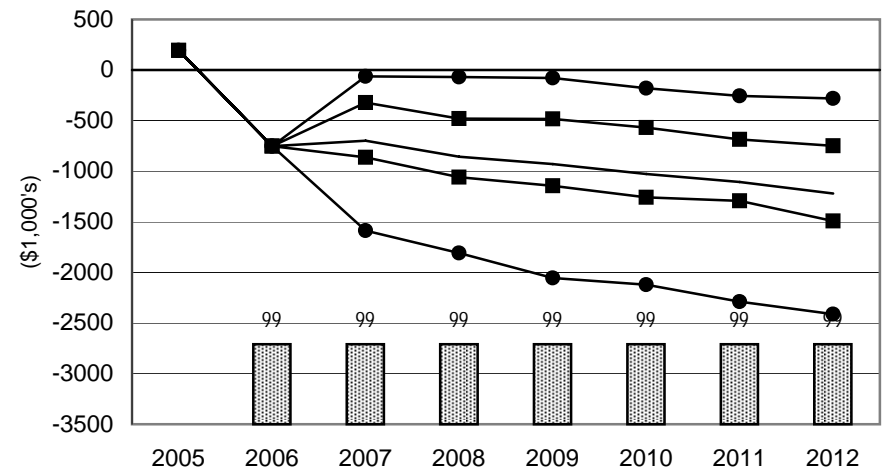
**MOD400 Large Missouri Dairy Farm**



**FLND550 Northern Florida Dairy Farm**



**FLSD1500 Southern Florida Dairy Farm**



# Figure 45. Representative Ranches Producing Beef Cattle

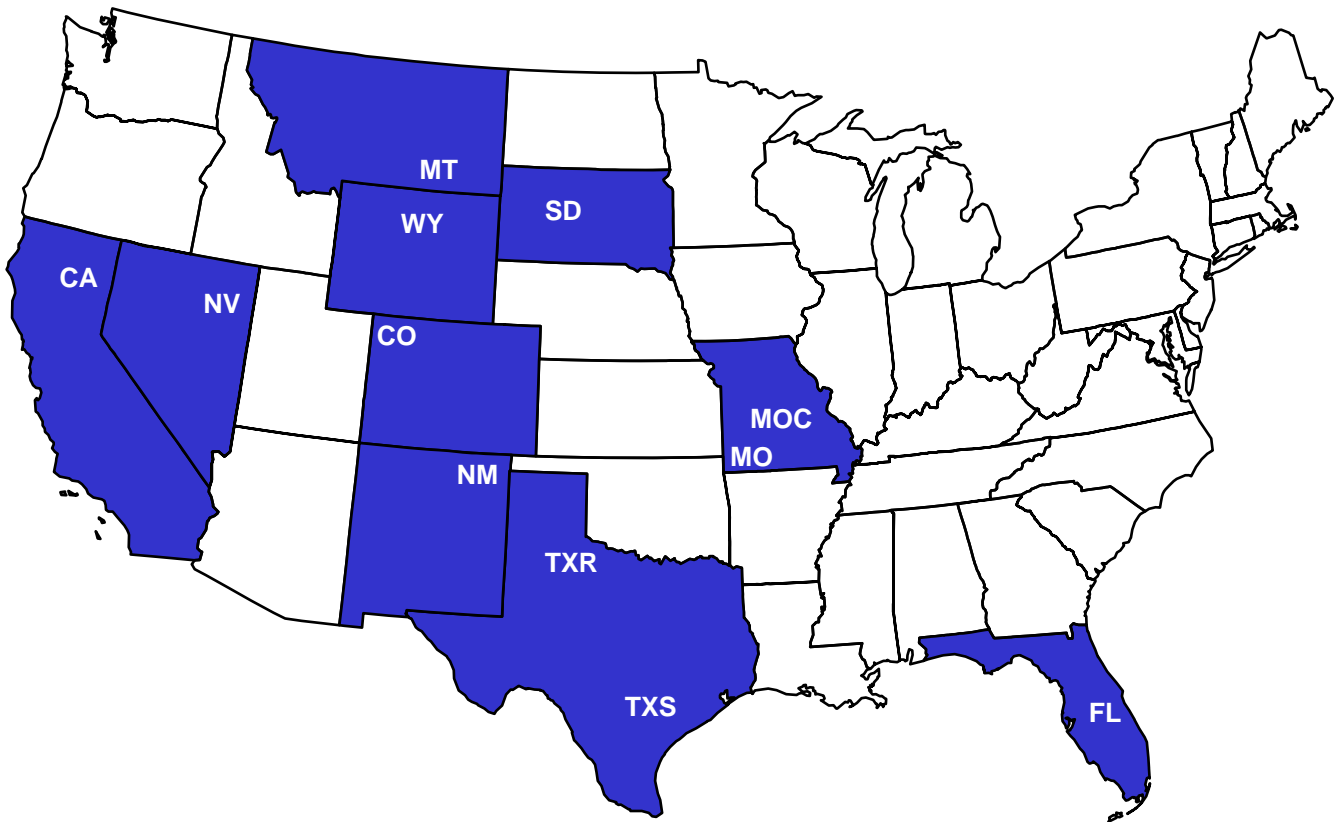


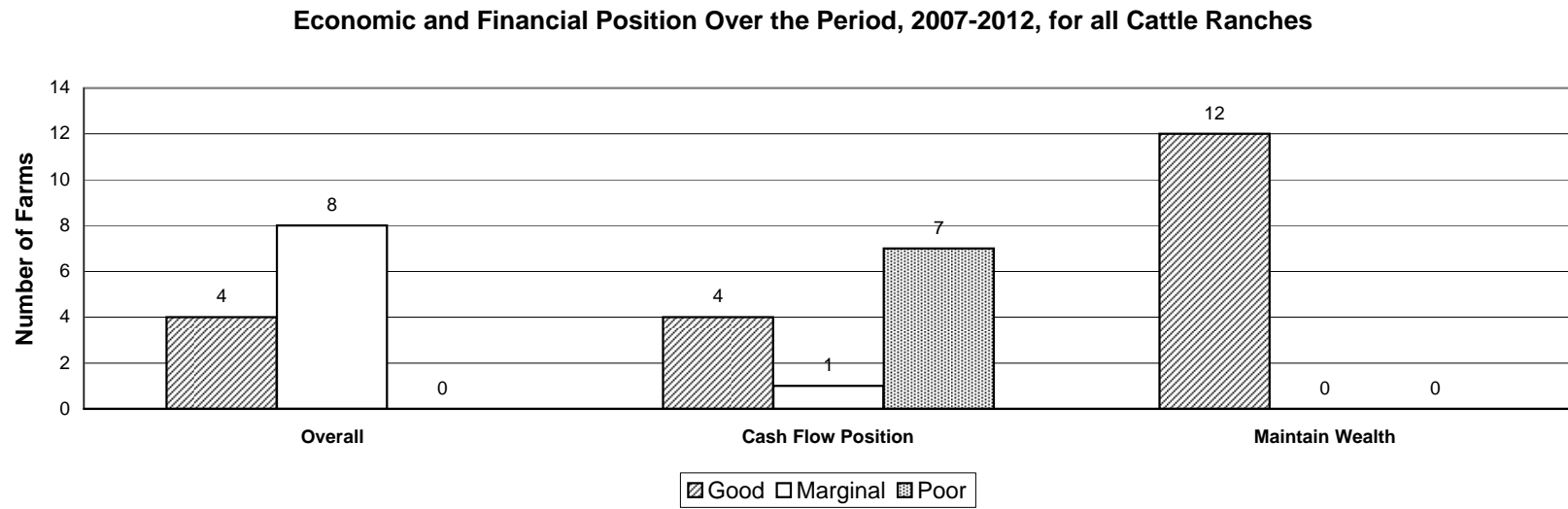
Table 14. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Beef Cattle.

	CAB500	NVB700	MTB500	WYB335	COB250	NMB240
<b>Overall Financial Position</b>						
2007-2012 Ranking	Marginal	Marginal	Good	Marginal	Marginal	Marginal
<b>Change Real Net Worth (%)</b>						
2007-2012 Average	3.88	2.30	3.74	1.44	4.45	3.63
<b>NIA to Maintain Real Net Worth (%/Rec.)</b>						
	-206.02	-42.36	-74.48	-24.40	-402.91	-81.60
<b>NIA for Zero Ending Cash Balance (%/Rec.)</b>						
	34.15	15.92	-6.68	31.69	2.59	13.84
<b>Govt Payments/Receipts (%)</b>						
2007-2012 Average	0.00	0.00	0.00	0.00	0.00	0.00
<b>Cost to Receipts Ratio (%)</b>						
2007-2012 Average	125.55	110.73	84.00	114.96	93.28	102.95
<b>Total Cash Receipts (\$1000)</b>						
2005	315.43	382.42	322.51	245.35	203.66	299.07
2006	306.86	354.38	299.30	258.51	225.46	292.24
2007	293.54	338.98	273.03	250.75	193.75	271.78
2008	286.89	321.18	260.67	241.21	187.26	263.72
2009	275.03	303.07	245.71	231.90	181.16	255.42
2010	265.17	287.25	233.50	224.14	175.94	247.55
2011	264.74	288.71	234.57	226.71	177.01	248.09
2012	272.36	300.59	244.76	234.14	182.37	253.20
2007-2012 Average	276.29	306.63	248.70	234.81	182.92	256.62
<b>Government Payments (\$1000)</b>						
2005	0.00	0.00	0.00	0.00	0.00	0.00
2006	0.00	0.00	0.00	0.00	0.00	0.00
2007	0.00	0.00	0.00	0.00	0.00	0.00
2008	0.00	0.00	0.00	0.00	0.00	0.00
2009	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00
2012	0.00	0.00	0.00	0.00	0.00	0.00
2007-2012 Average	0.00	0.00	0.00	0.00	0.00	0.00
<b>Net Cash Farm Income (\$1000)</b>						
2005	27.23	103.60	142.55	13.75	60.32	38.84
2006	-1.30	60.76	117.41	26.81	70.47	28.68
2007	-19.98	41.60	89.79	10.70	38.53	13.30
2008	-37.03	14.26	65.01	-2.68	25.76	5.31
2009	-54.29	-5.99	50.53	-22.85	18.73	-3.49
2010	-72.58	-28.97	38.85	-40.26	11.82	-8.89
2011	-84.68	-37.52	39.38	-52.19	6.15	-15.06
2012	-92.79	-36.10	44.19	-55.65	7.20	-4.97
2007-2012 Average	-60.22	-8.79	54.63	-27.16	18.03	-2.30
<b>Ending Cash Reserves (\$1000)</b>						
2005	-11.10	39.72	77.34	-17.49	128.16	12.55
2006	-42.21	43.73	137.81	-25.96	155.86	14.02
2007	-91.54	37.73	173.38	-51.59	151.00	-0.29
2008	-158.47	5.45	157.91	-97.88	132.10	-30.89
2009	-243.41	-43.48	148.96	-164.41	108.60	-69.40
2010	-345.23	-121.94	127.93	-266.48	65.40	-121.70
2011	-474.72	-207.17	111.78	-368.15	15.38	-177.63
2012	-603.40	-290.98	92.17	-474.95	-30.76	-226.70
<b>Nominal Net Worth (\$1000)</b>						
2005	11,307.73	3,846.20	3,690.15	2,734.21	12,552.84	4,490.26
2006	12,850.01	4,267.12	4,113.26	3,007.01	14,405.14	5,072.77
2007	13,689.04	4,501.27	4,368.62	3,127.76	15,435.20	5,387.01
2008	14,634.33	4,711.98	4,640.42	3,258.34	16,599.31	5,735.35
2009	15,694.24	4,938.08	4,935.18	3,389.60	17,910.15	6,124.81
2010	16,081.11	4,974.38	5,044.97	3,376.24	18,456.06	6,262.34
2011	16,438.11	5,023.13	5,177.11	3,376.84	18,958.08	6,389.22
2012	16,838.23	5,103.08	5,331.11	3,387.46	19,508.63	6,542.96
<b>Prob. of Negative Ending Cash (%)</b>						
2007	99	17	1	93	1	42
2008	99	42	3	99	1	80
2009	99	66	5	99	4	97
2010	99	87	8	99	13	99
2011	99	97	11	99	33	99
2012	99	99	17	99	65	99
<b>Prob. of Decreasing Real Net Worth Over 2005-2012 (%)</b>						
	1	1	1	1	1	1

Table 15. Implications of the January 2007 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Beef Cattle.

	SDB450	MOB240	MOCB400	TXRB500	TXSB175	FLB1155
Overall Financial Position						
2007-2012 Ranking	Marginal	Good	Good	Good	Marginal	Marginal
Change Real Net Worth (%)						
2007-2012 Average	3.23	4.85	3.71	4.68	2.59	3.61
NIA to Maintain Real Net Worth (%/Rec.)	-59.73	-77.70	-75.40	-104.90	-91.44	-137.58
NIA for Zero Ending Cash Balance (%/Rec.)	-4.10	-36.13	-10.36	-33.28	28.22	22.51
Govt Payments/Receipts (%)						
2007-2012 Average	0.02	1.70	0.00	0.00	0.00	0.00
Cost to Receipts Ratio (%)						
2007-2012 Average	91.30	52.32	89.74	68.00	89.23	122.22
Total Cash Receipts (\$1000)						
2005	290.92	227.68	288.68	448.78	206.60	646.81
2006	284.10	234.60	279.49	428.84	191.00	628.76
2007	269.58	220.12	249.19	434.94	119.12	578.14
2008	256.88	215.12	235.26	424.16	126.79	548.72
2009	247.10	207.37	221.35	418.49	121.83	519.57
2010	235.99	202.56	209.17	410.27	117.91	494.35
2011	238.46	202.20	210.26	410.28	118.70	496.72
2012	248.44	209.08	219.29	413.35	120.77	515.62
2007-2012 Average	249.41	209.41	224.09	418.58	120.85	525.52
Government Payments (\$1000)						
2005	0.00	9.83	0.00	0.00	0.00	0.00
2006	0.00	5.02	0.00	0.00	0.00	0.00
2007	0.02	3.38	0.00	0.00	0.00	0.00
2008	0.04	3.42	0.00	0.00	0.00	0.00
2009	0.04	3.42	0.00	0.00	0.00	0.00
2010	0.03	3.47	0.00	0.00	0.00	0.00
2011	0.05	3.51	0.00	0.00	0.00	0.00
2012	0.06	3.53	0.00	0.00	0.00	0.00
2007-2012 Average	0.04	3.45	0.00	0.00	0.00	0.00
Net Cash Farm Income (\$1000)						
2005	101.36	133.38	123.94	188.94	90.68	117.78
2006	89.15	135.64	109.35	152.39	48.12	75.85
2007	60.73	120.20	69.93	156.98	25.90	9.38
2008	48.81	111.35	53.72	146.58	21.09	-36.48
2009	36.14	103.79	37.23	144.25	19.53	-73.60
2010	26.58	91.37	23.33	136.08	14.06	-108.76
2011	25.66	94.21	22.52	133.84	8.51	-125.37
2012	27.74	98.62	28.01	134.76	10.65	-123.23
2007-2012 Average	37.61	103.26	39.12	142.08	16.62	-76.34
Ending Cash Reserves (\$1000)						
2005	59.44	71.23	69.35	105.20	41.06	72.06
2006	97.65	149.00	124.52	171.73	51.32	97.70
2007	109.42	207.89	154.74	245.52	37.25	58.68
2008	117.33	262.22	170.70	309.63	18.16	-26.58
2009	113.93	308.30	171.47	374.12	-14.36	-144.41
2010	94.73	316.91	156.97	434.47	-59.98	-294.73
2011	82.11	344.30	142.45	494.68	-109.20	-475.23
2012	56.65	364.12	123.99	556.45	-153.31	-646.49
Nominal Net Worth (\$1000)						
2005	3,361.39	2,155.73	3,155.39	5,558.90	2,375.96	13,048.40
2006	3,738.39	2,448.11	3,526.06	6,272.47	2,553.69	14,798.76
2007	3,933.95	2,635.78	3,747.26	6,710.29	2,664.07	15,735.05
2008	4,153.37	2,836.26	3,985.64	7,192.27	2,802.96	16,769.96
2009	4,391.75	3,052.27	4,242.00	7,731.04	2,953.76	17,913.65
2010	4,475.31	3,151.68	4,336.22	7,983.99	2,992.23	18,293.67
2011	4,570.52	3,266.59	4,439.85	8,258.67	3,026.06	18,654.15
2012	4,681.90	3,392.75	4,568.08	8,568.70	3,070.67	19,093.91
Prob. of Negative Ending Cash (%)						
2007	2	1	1	1	3	19
2008	5	1	2	1	15	58
2009	8	1	3	1	69	80
2010	14	1	4	1	97	95
2011	20	1	7	1	99	99
2012	29	1	9	1	99	99
Prob. of Decreasing Real Net Worth Over 2005-2012 (%)	1	1	1	1	1	1

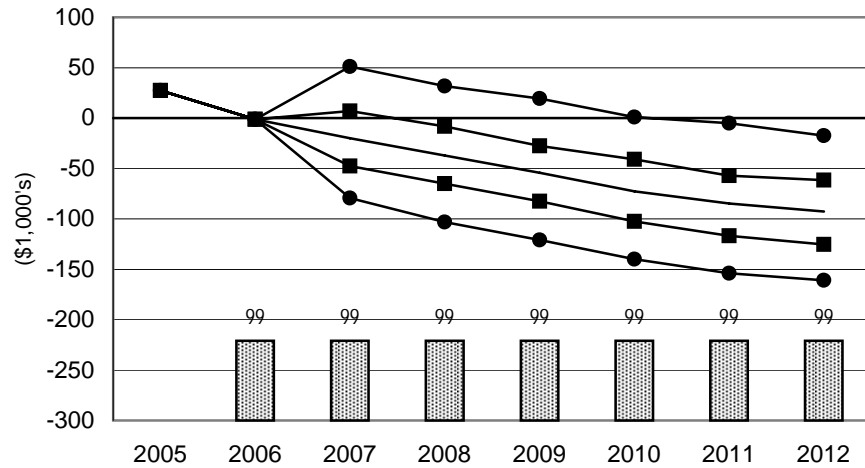
## Figure 46. Beef Cattle Ranches



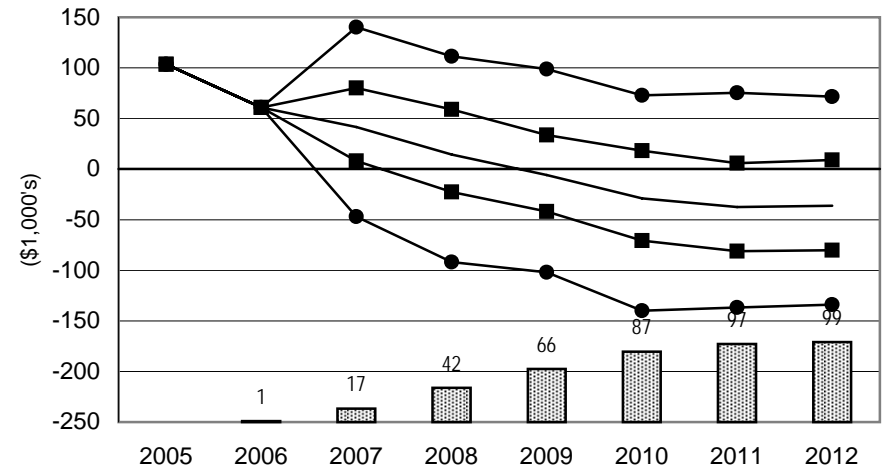
**Figure 47. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Beef Cattle Ranches**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

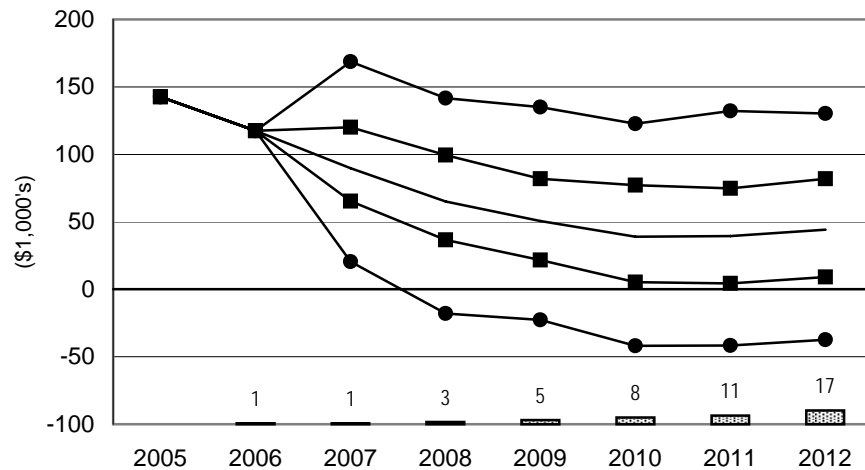
**CAB500 California Cattle Ranch**



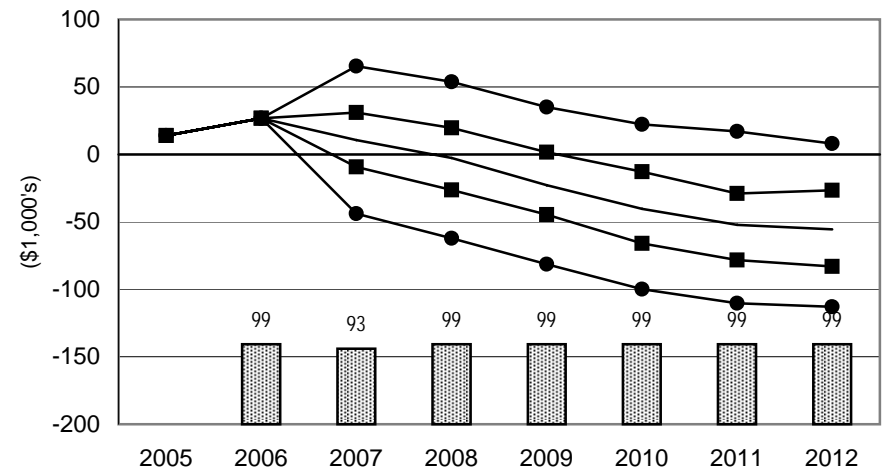
**NVB700 Nevada Cattle Ranch**



**MTB500 Montana Cattle Ranch**



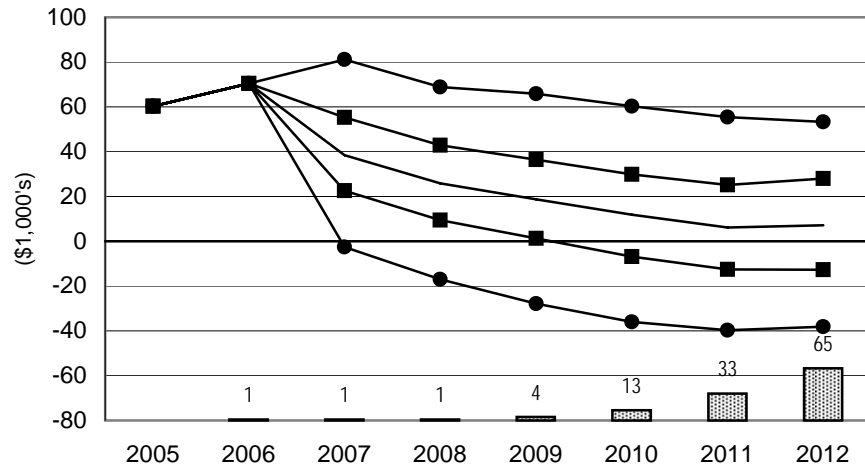
**WYB335 Wyoming Cattle Ranch**



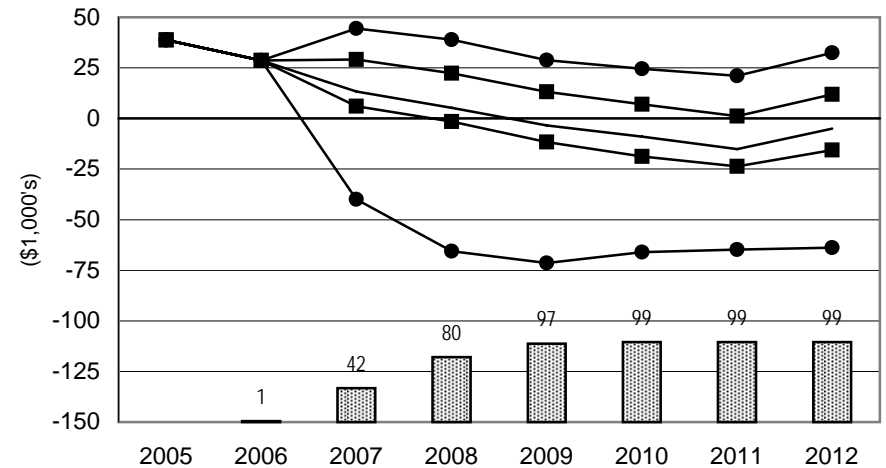
**Figure 48. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Beef Cattle Ranches**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

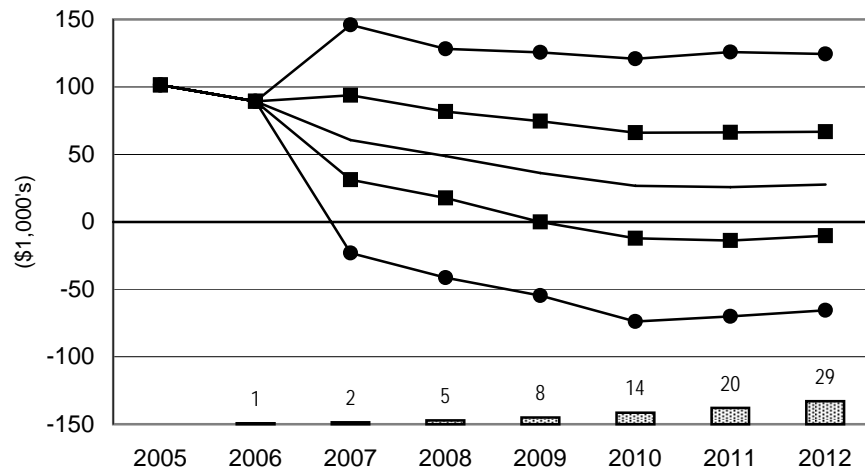
**COB250 Colorado Cattle Ranch**



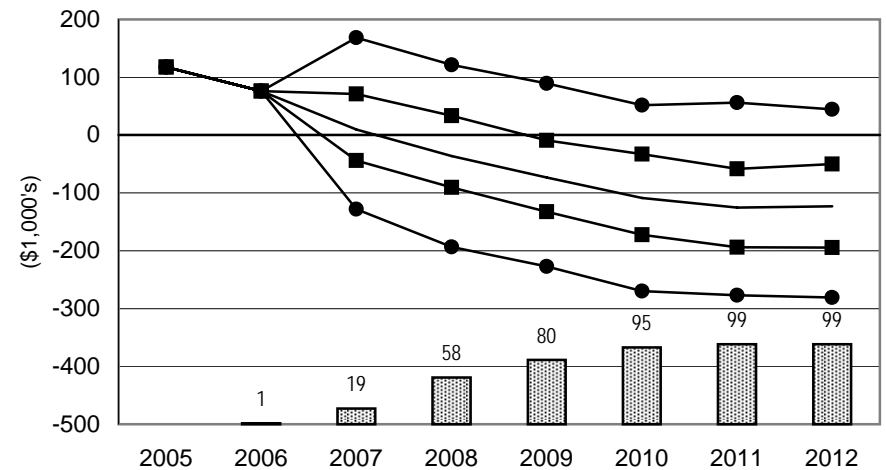
**NMB240 New Mexico Cattle Ranch**



**SDB450 South Dakota Cattle Ranch**



**FLB1155 Florida Cattle Ranch**

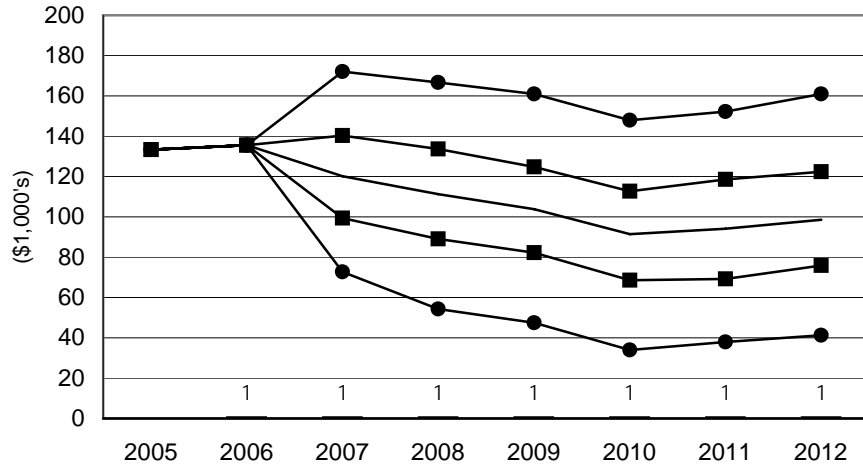




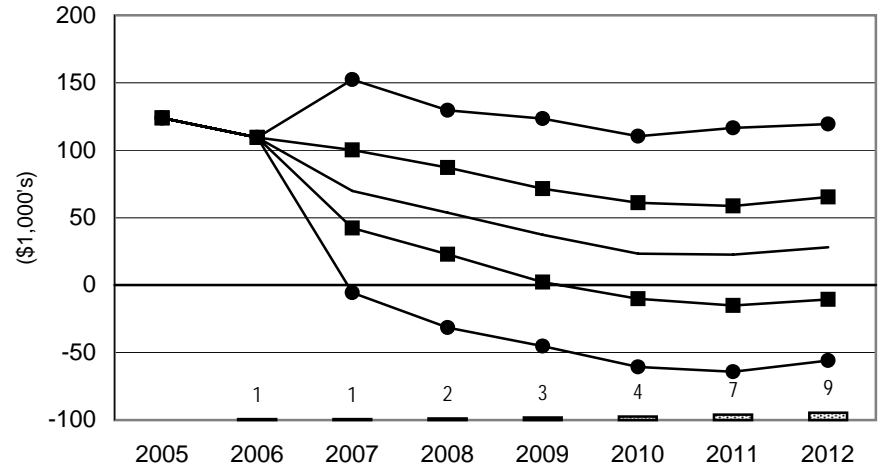
**Figure 49. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:  
Beef Cattle Ranches**

— Average NCFI    ■ 25 & 75 Percentile NCFI    ● 5 & 95 Percentile NCFI    ▨ Prob. of Cash Flow Deficit

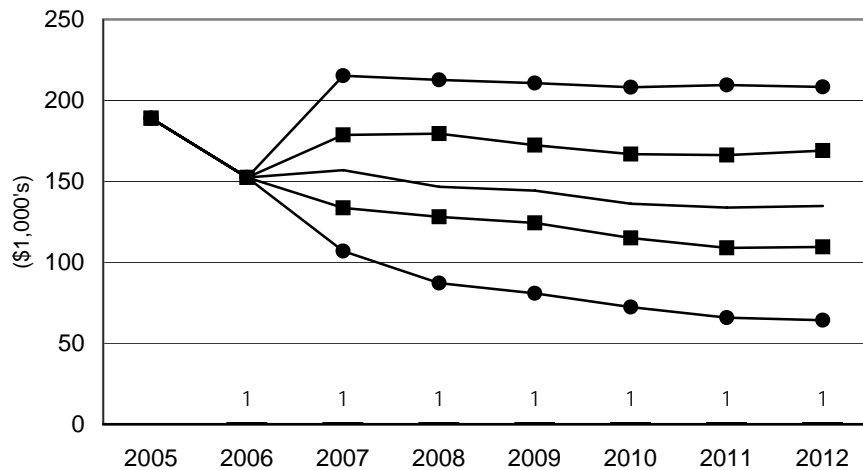
**MOB250 Southwest Missouri Cattle Ranch**



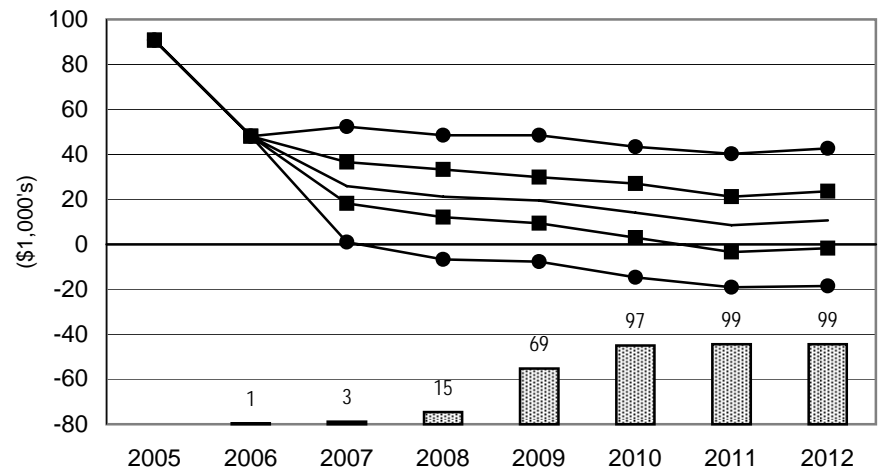
**MOCB400 Central Missouri Cattle Ranch**



**TXRB500 Rolling Plains Texas Cattle Ranch**



**TXSB175 South Texas Cattle Ranch**





**APPENDIX A:**  
CHARACTERISTICS OF  
REPRESENTATIVE FARMS

## 2006 CHARACTERISTICS OF PANEL FARMS PRODUCING FEED GRAINS AND OILSEEDS

- IAG1350** IAG1350 is a 1,350-acre northwestern Iowa (Webster County) grain farm. The farm is moderate-sized for the region and plants 810 acres of corn and 540 acres of soybeans annually. Seventy-four percent of this farm's 2006 receipts come from corn production.
- IAG3400** This 3,400-acre large-sized grain farm is located in northwestern Iowa (Webster County). It plants 2,040 acres of corn and 1,360 acres of soybeans each year, realizing 75 percent of receipts from corn production.
- NEG1960** South central Nebraska (Dawson County) is home to this 1,960-acre grain farm. This farm plants seventy-five percent of cultivated acres to corn and fifteen percent to soybeans. Alfalfa is grown on the remaining land. The farm produces both yellow and white food-grade corn on 56 percent of the corn acres. Eighty-five percent of gross receipts are derived from corn sales.
- NEG4300** This is a 4,300-acre grain farm located in south central Nebraska (Dawson County). This operation plants 2,666 acres of corn and 1,118 acres of soybeans each year. Remaining acres are planted to alfalfa. A portion (40 percent) of the corn acreage is food-grade corn. In 2006, 79 percent of total receipts were generated from corn production.
- NDG2180** NDG2180 is a 2,180-acre, moderate-sized, south central North Dakota (Barnes County) grain farm that plants 480 acres of wheat, 300 acres of corn, and 1300 acres of soybeans. The remaining acres are enrolled in the Conservation Reserve Program. The farm generated 54 percent of 2006 receipts from soybean sales.
- NDG7500** This is a 7,500-acre, large-sized grain farm in south central North Dakota (Barnes County) that grows 3,750 acres of soybeans, 2000 acres of corn, 1,200 acres of wheat, and 300 acres of dry peas annually. The remaining acreage is enrolled in the Conservation Reserve Program. Soybean and corn sales accounted for 79% of 2006 receipts.
- MOCG2050** MOCG2050 is a 2,050-acre grain farm located in central Missouri (Carroll County) and plants 1,025 acres of corn and 1,025 acres of soybeans annually. This farm is located in the Missouri River bottom, an area with a large concentration of livestock production. This proximity allows grain producers in this area to supply feed to livestock producers at a premium to other areas of Missouri. This farm generated 66 percent of its total revenue from corn and 34 percent from soybeans during 2006.
- MOCG3630** A 3,630-acre central Missouri (Carroll County) grain farm with 1,880 acres of corn, 1,650 acres of soybeans, and 100 acres of wheat. This farm is located in the Missouri River bottom, an area with a large concentration of livestock production. This proximity allows area grain producers to supply feed to livestock producers at a premium to other areas of Missouri. Corn sales accounted for 68 percent of farm receipts and soybeans accounted for 30 percent in 2006.
- MONG1850** MONG1850 is a 1,850-acre diversified northwest Missouri grain farm centered in Nodaway County. MONG1850 plants 900 acres of corn, 900 acres of soybeans, and 200 acres of hay annually. The farm also has a 200-head cow-calf herd. Proximity to the Missouri River increases marketing options for area grain farmers due to easily accessible river grain terminals. In 2006, 51 percent of the farm's total receipts were from corn, 29 percent from soybeans, and 18 percent from cattle sales.

Appendix Table A1. Characteristics of Panel Farms Producing Feed Grains.

	IAG1350	IAG3400	NEG1960	NEG4300	NDG2180	NDG7500	MOCG2050	MOCG3630	MONG1850
County	Webster	Webster	Dawson	Dawson	Barnes	Barnes	Carroll	Carroll	Nodaway
Total Cropland	1,350.00	3,400.00	1,960.00	4,300.00	2,180.00	7,500.00	2,050.00	3,630.00	1,850.00
Acres Owned	240.00	850.00	490.00	1,075.00	300.00	3,000.00	1,150.00	1,600.00	950.00
Acres Leased	1,110.00	2,550.00	1,470.00	3,225.00	1,880.00	4,500.00	900.00	2,030.00	900.00
Pastureland									
Acres Owned	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	600.00
Acres Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	400.00
Assets (\$1000)									
Total	1,505.00	5,074.00	2,371.00	5,627.00	749.00	5,897.00	4,982.00	6,824.00	4,703.00
Real Estate	1,128.00	3,807.00	1,322.00	3,236.00	398.00	2,990.00	3,910.00	4,916.00	3,629.00
Machinery	314.00	998.00	732.00	1,920.00	312.00	1,790.00	605.00	1,006.00	427.00
Other & Livestock	63.00	268.00	316.00	471.00	40.00	1,117.00	468.00	902.00	646.00
Debt/Asset Ratios									
Total	0.14	0.14	0.10	0.20	0.14	0.09	0.12	0.11	0.10
Intermediate	0.20	0.20	0.07	0.35	0.15	0.08	0.28	0.24	0.08
Long Run	0.14	0.14	0.15	0.15	0.14	0.13	0.10	0.10	0.11
Number of Livestock									
Beef Cows	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00
2006 Gross Receipts (\$1,000)*									
Total	612.60	1,515.20	1,260.70	2,431.00	465.50	2,062.10	732.20	1,223.60	789.60
Cattle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144.20
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
Corn	454.80	1,132.30	1,069.60	1,915.40	110.90	810.20	485.40	837.20	400.60
	0.74	0.75	0.85	0.79	0.24	0.39	0.66	0.68	0.51
Wheat	0.00	0.00	0.00	0.00	102.70	309.90	0.60	16.20	0.00
	0.00	0.00	0.00	0.00	0.22	0.15	0.00	0.01	0.00
Soybeans	157.80	382.80	122.60	405.60	249.20	815.10	246.20	370.20	230.70
	0.26	0.25	0.10	0.17	0.54	0.40	0.34	0.30	0.29
Hay	0.00	0.00	68.40	110.00	0.00	0.00	0.00	0.00	10.40
	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.01
Dry Peas	0.00	0.00	0.00	0.00	0.00	103.10	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
Other Receipts	0.00	0.00	0.00	0.00	0.00	8.80	0.00	0.00	3.80
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2006 Planted Acres**									
Total	1,350.00	3,400.00	1,960.00	4,300.00	2,180.00	7,500.00	2,050.00	3,630.00	2,850.00
Corn	810.00	2,040.00	1,470.00	2,666.00	300.00	2,000.00	1,025.00	1,880.00	900.00
	0.60	0.60	0.75	0.62	0.14	0.27	0.50	0.52	0.32
Wheat	0.00	0.00	0.00	0.00	480.00	1,200.00	0.00	100.00	0.00
	0.00	0.00	0.00	0.00	0.22	0.16	0.00	0.03	0.00
Soybeans	540.00	1,360.00	300.00	1,118.00	1,300.00	3,750.00	1,025.00	1,650.00	900.00
	0.40	0.40	0.15	0.26	0.60	0.50	0.50	0.46	0.32
Hay	0.00	0.00	190.00	516.00	0.00	0.00	0.00	0.00	200.00
	0.00	0.00	0.10	0.12	0.00	0.00	0.00	0.00	0.07
CRP	0.00	0.00	0.00	0.00	100.00	250.00	0.00	0.00	50.00
	0.00	0.00	0.00	0.00	0.05	0.03	0.00	0.00	0.02
Improved Pasture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	800.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28
Dry Peas	0.00	0.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 PANEL FARMS PRODUCING FEED GRAINS AND OILSEEDS (continued)**

- ING1000** Shelby County, Indiana, is home to this 1,000-acre moderate-sized feedgrain farm. This farm annually plants corn and soybeans in a 50/50 rotation. Due to this farm's proximity to Indianapolis, land development pressures will likely constrain further expansion of this farm's operations. Sixty-two percent of 2006 receipts came from corn sales.
- ING2200** ING2200 is a large-sized grain farm located in east central Indiana (Shelby County). This farm plants 1,100 acres to corn and 1,100 acres to soybeans each year. In 2006, 64 percent of gross receipts were generated by corn sales.
- TXPG3760** TXPG3760 is a predominately irrigated farm located in the Texas Panhandle (Castro County). Annually, 1,344 acres are planted to corn and 1,472 acres are planted to cotton. In 2006, 44 percent of cash receipts were generated from corn sales.
- TXHG2000** This 2,000-acre grain farm is located on the Blackland Prairie of Texas (Hill County). On this farm, 1,000 acres of corn, 500 acres of sorghum, 250 acres of cotton, and 250 acres of wheat are planted annually. Feedgrain sales accounted for 71 percent of 2006 receipts with cotton accounting for 17 percent of sales. Forty beef cows live on 300 acres of improved pasture and contribute approximately five percent of total receipts.
- TXWG1400** This 1,400-acre farm is located on the Blackland Prairie of Texas (Williamson County). TXWG1400 plants 900 acres of corn, 200 acres of sorghum, 250 acres of cotton, and 50 acres of winter wheat annually. Additionally, this farm has a 50-head beef cow herd that is pastured on rented ground that cannot be farmed. Feedgrain sales accounted for 63 percent of 2006 receipts with cotton accounting for 28 percent of sales.
- TXUG1200** TXUG1200 is a grain farm located in Uvalde County, Texas. This farm plants 450 acres of corn, 200 acres of grain sorghum, 400 acres of cotton, and 150 acres of wheat each year. All crops except wheat are grown under irrigation. In 2006, feedgrain sales accounted for 44 percent of farm receipts.
- TNG900** This is a 900-acre, moderate-sized grain farm in West Tennessee (Henry County). Annually, this farm plants 500 acres of corn, 400 acres of soybeans, and 100 acres of wheat (planted before soybeans) in a region of Tennessee recognized for the high level of implementation of conservation practices by farmers. Sixty-five percent of 2006 farm receipts were from sales of corn.
- TNG2750** West Tennessee (Henry County) is home to this 2,750-acre, large-sized grain farm. Farmers in this part of Tennessee are known for their early and continued adoption of conservation practices, including widespread implementation of no-till farming. TNG2750 plants 1,100 acres of corn, 550 acres of wheat, and 1,650 acres of soybeans (550 of which are double-cropped after wheat). The farm generated 46 percent of its 2006 gross receipts from sales of corn and 38 percent from soybeans.
- SCG1500** SCG1500 is a moderate-sized, 1,500-acre grain farm in South Carolina (Clarendon County) consisting of 698 acres of dryland corn, 148 acres of irrigated corn, 654 acres of soybeans (454 acres double-cropped after wheat), and 454 acres of wheat. Fifty-one percent of the farm's receipts were realized from corn sales during 2006. This farm enjoys significant returns on double-cropped acreage, but timing does not allow for more than 454 acres.
- SCG3500** A 3,500-acre, large-sized South Carolina (Clarendon County) grain farm with 1,840 acres of corn, 900 acres of wheat, 1,260 acres of soybeans (900 double-cropped after wheat), and 400 acres of cotton. The farm generated 49 percent of 2006 receipts from corn sales and 18 percent from soybean sales, with an additional 19 percent coming from cotton sales. Timing precludes further expansion of relatively lucrative double-cropped acres.

Appendix Table A2. Characteristics of Panel Farms Producing Feed Grains.

	ING1000	ING2200	TXPG3760	TXHG2000	TXWG1400	TXUG1200	TNG900	TNG2750	SCG1500	SCG3500
County	Shelby	Shelby	Castro	Hill	Williamson	Uvalde	Henry	Henry	Clarendon	Clarendon
Total Cropland	1,000.00	2,200.00	3,760.00	2,000.00	1,400.00	1,201.00	900.00	2,750.00	1,500.00	3,500.00
Acres Owned	300.00	770.00	1,311.00	400.00	150.00	0.00	150.00	700.00	500.00	1,400.00
Acres Leased	700.00	1,430.00	2,449.00	1,600.00	1,250.00	1,200.00	750.00	2,050.00	1,000.00	2,100.00
Pastureland										
Acres Owned	0.00	0.00	0.00	60.00	30.00	0.00	0.00	0.00	0.00	1,400.00
Acres Leased	0.00	0.00	0.00	240.00	210.00	0.00	0.00	0.00	0.00	0.00
Assets (\$1000)										
Total	2,012.00	5,231.00	3,013.00	1,160.00	775.00	378.00	932.00	3,081.00	1,121.00	5,288.00
Real Estate	1,420.00	4,250.00	2,217.00	681.00	533.00	0.00	477.00	2,010.00	753.00	4,517.00
Machinery	311.00	537.00	796.00	446.00	197.00	378.00	416.00	955.00	368.00	632.00
Other & Livestock	281.00	443.00	0.00	33.00	44.00	0.00	39.00	116.00	0.00	140.00
Debt/Asset Ratios										
Total	0.10	0.11	0.20	0.18	0.13	0.37	0.11	0.17	0.16	0.13
Intermediate	0.09	0.13	0.28	0.15	0.08	0.16	0.05	0.32	0.23	0.27
Long Run	0.10	0.11	0.12	0.12	0.12	0.00	0.12	0.10	0.12	0.12
Number of Livestock										
Beef Cows	0.00	0.00	0.00	40.00	50.00	0.00	0.00	0.00	0.00	0.00
2006 Gross Receipts (\$1,000)*										
Total	405.20	965.10	2,425.40	506.40	359.50	709.80	300.60	940.30	626.90	1,589.20
Cattle	0.00	0.00	0.00	22.70	26.80	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.05	0.07	0.00	0.00	0.00	0.00	0.00
Corn	252.90	621.30	1,076.50	234.40	183.00	236.00	196.70	427.80	320.80	771.60
	0.62	0.64	0.44	0.46	0.51	0.33	0.65	0.46	0.51	0.49
Sorghum	0.00	0.00	0.00	128.50	43.40	77.10	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.25	0.12	0.11	0.00	0.00	0.00	0.00
Wheat	1.10	0.00	0.00	34.60	7.00	13.00	19.30	115.20	88.70	230.20
	0.00	0.00	0.00	0.07	0.02	0.02	0.06	0.12	0.14	0.15
Soybeans	151.20	343.80	0.00	0.00	0.00	0.00	82.10	357.30	139.30	283.40
	0.37	0.36	0.00	0.00	0.00	0.00	0.27	0.38	0.22	0.18
Cotton	0.00	0.00	1,113.00	86.20	99.30	383.70	0.00	0.00	78.00	304.00
	0.00	0.00	0.46	0.17	0.28	0.54	0.00	0.00	0.12	0.19
Other Receipts	0.00	0.00	53.00	0.00	0.00	0.00	2.50	40.00	0.00	0.00
	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.04	0.00	0.00
2006 Planted Acres**										
Total	1,000.00	2,200.00	3,196.00	2,300.00	1,400.00	1,200.00	1,000.00	3,300.00	1,954.00	4,400.00
Corn	500.00	1,100.00	1,344.00	1,000.00	900.00	450.00	500.00	1,100.00	846.00	1,840.00
	0.50	0.50	0.42	0.44	0.64	0.38	0.50	0.33	0.43	0.42
Sorghum	0.00	0.00	0.00	500.00	200.00	200.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.22	0.14	0.17	0.00	0.00	0.00	0.00
Wheat	0.00	0.00	0.00	250.00	50.00	150.00	100.00	550.00	454.00	900.00
	0.00	0.00	0.00	0.11	0.04	0.13	0.10	0.17	0.23	0.21
Soybeans	500.00	1,100.00	0.00	0.00	0.00	0.00	400.00	1,650.00	654.00	1,260.00
	0.50	0.50	0.00	0.00	0.00	0.00	0.40	0.50	0.34	0.29
Cotton	0.00	0.00	1,472.00	250.00	250.00	400.00	0.00	0.00	0.00	400.00
	0.00	0.00	0.46	0.11	0.18	0.33	0.00	0.00	0.00	0.09
Improved Pasture	0.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

## 2006 CHARACTERISTICS OF PANEL FARMS PRODUCING WHEAT

- WAW1725** This is a 1,725-acre moderate-sized grain farm in the Palouse of southeastern Washington (Whitman County). It plants 1,121 acres of wheat, 173 acres of barley, and 431 acres of dry peas. Disease concerns dictate rotating a minimum acreage of barley and peas to maintain wheat yields. This farm generated 84 percent of 2006 receipts from wheat.
- WAW5000** A 5,000-acre, large-sized grain farm in the Palouse of southeastern Washington (Whitman County). Annually, this farm allocates 2,915 acres to wheat, 233 acres to barley, and 1,293 acres to dry peas. Diseases that inhibit wheat yield dictate the rotation of a minimum acreage of barley and peas. Wheat sales accounted for 78 percent of 2006 receipts.
- WAAW3500** South central Washington (Adams County) is home to this 3,500-acre, large-sized grain farm. Annually, this farm plants 1,500 acres of wheat in a wheat-fallow rotation. Additionally, 500 acres are enrolled in a CRP contract. In 2006, wheat sales accounted for 94 percent of the farm's gross receipts.
- ORW4000** A 4,000-acre large-sized grain farm located in northeastern Oregon (Morrow County). This farm plants 1,600 acres annually in a wheat-fallow rotation, with 400 additional acres enrolled in a CRP contract. Ninety-five percent of this farm's 2006 total receipts came from wheat sales.
- MTW4500** North-central Montana (Chouteau County) is home to this 4,500 acre farm on which 2,330 acres of wheat (1,711 acres of winter wheat, 619 acres of spring wheat) are planted each year. MTW4500 uses no-till production practices. In 2006, 98 percent of cash income came from wheat.
- COW3000** A 3,000-acre northeast Colorado (Washington County), moderate-sized grain farm that plants 970 acres of winter wheat, 605 acres of millet, and 600 acres of corn each year. COW3000 has adopted minimum tillage practices on most of its acres. This farm generated 41 percent of its receipts from wheat, 21 percent from millet, and 32 percent from corn.
- COW5640** A 5,640-acre, large-sized northeast Colorado (Washington County) grain farm. It plants 1,900 acres of wheat, 1,100 acres of millet, 650 acres of corn, and 260 acres of sunflowers. During 2006, 54 percent of gross receipts came from wheat sales and 17 percent came from millet sales.
- KSCW1600** South central Kansas (Sumner County) is home to this 1,600-acre, moderate-sized grain farm. KSCW1600 plants 1,072 acres of winter wheat, 208 acres of sorghum, and 160 acres of soybeans each year. For 2006, 67 percent of gross receipts came from wheat.
- KSCW4000** A 4,000-acre, large-sized grain farm in south central Kansas (Sumner County) that plants 2,000 acres of winter wheat, 1,000 acres of sorghum, 500 acres of corn, and 500 acres of soybeans. Forty-nine percent of this farm's 2006 total receipts were generated from sales of winter wheat.
- KSNW2800** This is a 2,800-acre, moderate-sized northwest Kansas (Thomas County) grain farm. This farm plants 1400 acres of winter wheat (wheat-fallow rotation), 467 acres of corn, and 233 acres of sorghum. KSNW2800 also owns 80 head of beef cows. This farm generated 48 percent of 2006 receipts from wheat and 36 percent of its receipts from feedgrains.
- KSNW5000** KSNW5000 is a 5,000-acre, large-sized northwest Kansas (Thomas County) grain farm that annually plants 2,325 acres of winter wheat, 1,013 acres of corn, 382 acres of sorghum, and 130 acres of soybeans. This farm also runs 100 head of beef cows. The farm generated 39 percent of receipts from wheat, 53 percent from feedgrains, and eight percent from cattle during 2006.



Appendix Table A3. Characteristics of Panel Farms Producing Wheat.

	WAW1725	WAW5000	WAAW3500	ORW4000	MTW4500	COW3000	COW5640	KSCW1600	KSCW4000	KSNW2800	KSNW5000
County	Whitman	Whitman	Adams	Morrow	Chouteau	Washington	Washington	Sumner	Sumner	Thomas	Thomas
Total Cropland	1,725.00	5,000.00	3,500.00	3,600.00	4,500.00	3,000.00	5,640.00	1,600.00	4,000.00	2,800.00	5,000.00
Acres Owned	518.00	2,250.00	1,400.00	1,600.00	2,700.00	1,137.00	1,880.00	560.00	1,000.00	1,170.00	1,750.00
Acres Leased	1,207.00	2,750.00	2,100.00	2,000.00	1,800.00	1,863.00	3,760.00	1,040.00	3,000.00	1,630.00	3,250.00
Pastureland											
Acres Owned	0.00	0.00	0.00	0.00	0.00	200.00	0.00	0.00	0.00	400.00	500.00
Acres Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	400.00	500.00
Assets (\$1000)											
Total	1,275.00	4,900.00	1,221.00	1,314.00	2,551.00	1,489.00	2,417.00	1,099.00	2,139.00	1,564.00	2,725.00
Real Estate	874.00	3,684.00	992.00	865.00	1,904.00	1,032.00	1,621.00	693.00	1,285.00	1,111.00	1,893.00
Machinery	392.00	1,136.00	190.00	334.00	410.00	257.00	603.00	390.00	854.00	322.00	545.00
Other & Livestock	8.00	80.00	38.00	115.00	237.00	200.00	193.00	16.00	0.00	131.00	286.00
Debt/Asset Ratios											
Total	0.18	0.12	0.11	0.09	0.12	0.10	0.13	0.26	0.19	0.11	0.10
Intermediate	0.19	0.15	0.05	0.03	0.16	0.03	0.21	0.21	0.24	0.04	0.02
Long Run	0.13	0.11	0.13	0.13	0.13	0.12	0.11	0.14	0.14	0.14	0.14
Number of Livestock											
Beef Cows	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	100.00
2006 Gross Receipts (\$1,000)*											
Total	441.80	1,334.80	270.20	335.00	580.80	310.10	590.50	286.80	710.10	406.30	969.40
Cattle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.40	74.40
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.08
Wheat	368.70	1,036.50	254.50	318.00	571.50	126.50	316.40	192.60	347.20	195.90	380.60
	0.84	0.78	0.94	0.95	0.98	0.41	0.54	0.67	0.49	0.48	0.39
Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.80	201.30	46.20	88.70
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.28	0.11	0.09
Barley	32.80	62.40	1.00	0.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00
	0.07	0.05	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Corn	0.00	0.00	0.00	0.00	0.00	100.60	105.50	0.00	95.20	102.70	377.30
	0.00	0.00	0.00	0.00	0.00	0.32	0.18	0.00	0.13	0.25	0.39
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.80	66.50	0.00	48.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.05
Dry Peas	40.20	216.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.09	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sunflowers	0.00	0.00	0.00	0.00	0.00	0.00	51.90	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
Millet	0.00	0.00	0.00	0.00	0.00	64.90	101.10	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.21	0.17	0.00	0.00	0.00	0.00
Other Receipts	0.00	19.10	14.70	17.00	0.00	18.00	15.70	0.00	0.00	0.00	0.00
	0.00	0.01	0.05	0.05	0.00	0.06	0.03	0.00	0.00	0.00	0.00
2006 Planted Acres**											
Total	1,725.00	4,766.00	2,000.00	2,000.00	2,330.00	2,475.00	4,340.00	1,600.00	4,000.00	2,100.00	3,850.00
Wheat	1,121.00	2,915.00	1,500.00	1,600.00	2,330.00	970.00	1,900.00	1,072.00	2,000.00	1,400.00	2,325.00
	0.65	0.61	0.75	0.80	1.00	0.39	0.44	0.67	0.50	0.67	0.60
Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	208.00	1,000.00	233.00	382.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.25	0.11	0.10
Barley	173.00	233.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corn	0.00	0.00	0.00	0.00	0.00	600.00	650.00	0.00	500.00	467.00	1,013.00
	0.00	0.00	0.00	0.00	0.00	0.24	0.15	0.00	0.13	0.22	0.26
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00	500.00	0.00	130.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.13	0.00	0.03
Dry Peas	431.00	1,293.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.25	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sunflowers	0.00	0.00	0.00	0.00	0.00	0.00	260.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
Millet	0.00	0.00	0.00	0.00	0.00	605.00	1,100.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.24	0.25	0.00	0.00	0.00	0.00
CRP	0.00	325.00	500.00	400.00	0.00	300.00	430.00	0.00	0.00	0.00	0.00
	0.00	0.07	0.25	0.20	0.00	0.12	0.10	0.00	0.00	0.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

## 2006 CHARACTERISTICS OF PANEL FARMS PRODUCING COTTON

- 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-five percent of total receipts are generated from cotton sales.
- 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). Fifty-six percent of 2006 cash receipts were derived from cotton sales.
- 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 2006, 89 percent of receipts came from cotton.
- 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 85 percent of 2006 receipts.
- TXPC2500** The Texas Panhandle is home to this 2,500-acre farm (Deaf Smith County). Annually, cotton is planted on 1,367 acres (1,000 irrigated and 367 dryland), 758 acres planted to wheat (700 irrigated and 58 dryland), and 250 irrigated acres are planted to corn. Fifty-nine percent of 2006 cash receipts were generated by cotton sales.
- TXEC5000** This 5,000-acre farm is located on the Eastern Caprock of the Texas South Plains (Crosby County). Annually, 3,800 acres are planted to cotton (2,800 irrigated and 1,000 dryland), 400 acres of wheat (100 irrigated and 300 dryland), and 300 acres of dryland sorghum. In 2006, cotton sales accounted for 96 percent of gross receipts.
- TXRP2500** TXRP2500 is a 2,500-acre cotton farm located in the Rolling Plains of Texas (Jones County). This farm plants 1,117 acres of cotton and 825 acres of winter wheat each year. The area is limited by rainfall, and the farm uses a conservative level of inputs. Seventy-seven percent of 2006 farm receipts came from cotton sales. Seventeen head of beef cows generated three percent of farm receipts.
- TXMC1800** This 1,800-acre cotton farm is located on the Coastal Plain of southeast Texas (Wharton County). TXMC1800 farms 900 acres of cotton and 450 acres each of sorghum and corn. In 2006, cotton sales comprised 66 percent of total cash receipts on this operation.
- TXCB2250** A 2,250-acre cotton farm located on the Texas Coastal Bend (San Patricio County) that farms 1,350 acres of cotton, 675 acres of sorghum, and 225 acres of corn annually. Seventy-five percent of 2006 cash receipts were generated by cotton.
- 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 68 percent of 2006 receipts.
- 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 2006, 58 percent of TXVC4500's cash receipts were generated by cotton sales.

Appendix Table A4. Characteristics of Panel Farms Producing Cotton.

	TXNP3000	TXNP7000	TXSP2239	TXSP3745	TXPC2500	TXEC5000	TXRP2500	TXMC1800	TXCB2250	TXCB5500	TXVC4500
County	Moore	Moore	Dawson	Dawson	Deaf Smith	Crosby	Jones	Wharton	San Patricio	Nueces	Willacy
Total Cropland	3,000.00	7,000.00	2,239.00	3,745.00	2,500.00	5,000.00	2,500.00	1,800.00	2,250.00	5,500.00	4,500.00
Acres Owned	300.00	1,150.00	670.00	1,650.00	1,500.00	640.00	400.00	180.00	450.00	225.00	900.00
Acres Leased	2,700.00	5,850.00	1,569.00	2,095.00	1,000.00	4,360.00	2,100.00	1,620.00	1,800.00	5,275.00	3,600.00
Pastureland											
Acres Leased	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00
Assets (\$1000)											
Total	907.00	2,934.00	928.00	2,256.00	2,527.00	1,653.00	580.00	871.00	1,150.00	1,276.00	2,714.00
Real Estate	462.00	1,277.00	518.00	1,417.00	1,329.00	448.00	277.00	297.00	697.00	334.00	1,618.00
Machinery	445.00	1,657.00	410.00	839.00	963.00	927.00	289.00	574.00	446.00	931.00	1,051.00
Other & Livestock	0.00	0.00	0.00	0.00	235.00	278.00	14.00	0.00	7.00	12.00	45.00
Debt/Asset Ratios											
Total	0.49	0.34	0.27	0.20	0.18	0.15	0.36	0.08	0.23	0.42	0.21
Intermediate	0.16	0.26	0.12	0.12	0.27	0.21	0.33	0.04	0.16	0.31	0.32
Long Run	0.09	0.09	0.10	0.10	0.15	0.12	0.14	0.15	0.13	0.13	0.14
Number of Livestock											
Beef Cows	0.00	0.00	0.00	0.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00
2006 Gross Receipts (\$1,000)*											
Total	1,165.00	2,662.80	544.30	930.40	1,213.20	1,515.20	247.90	662.50	710.30	1,659.40	1,136.30
Cattle	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Cotton	640.00	1,489.80	485.30	789.60	710.60	1,447.00	191.20	436.30	531.20	1,133.60	660.80
	0.55	0.56	0.89	0.85	0.59	0.96	0.77	0.66	0.75	0.68	0.58
Sorghum	136.20	214.00	0.00	0.00	0.00	25.90	0.00	91.80	138.80	525.90	297.70
	0.12	0.08	0.00	0.00	0.00	0.02	0.00	0.14	0.20	0.32	0.26
Wheat	95.70	126.90	0.00	0.00	149.60	16.10	48.80	0.00	0.00	0.00	0.00
	0.08	0.05	0.00	0.00	0.12	0.01	0.20	0.00	0.00	0.00	0.00
Corn	230.30	701.00	0.00	0.00	262.90	0.00	0.00	124.70	40.20	0.00	0.00
	0.20	0.26	0.00	0.00	0.22	0.00	0.00	0.19	0.06	0.00	0.00
Peanuts	0.00	0.00	53.20	131.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.10	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rice	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Sugar Cane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.70
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
Other Receipts	0.00	0.00	5.90	8.90	31.40	26.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.01	0.01	0.03	0.02	0.00	0.00	0.00	0.00	0.00
2006 Planted Acres**											
Total	3,000.00	6,483.00	2,043.00	3,444.00	2,500.00	4,500.00	1,942.00	1,800.00	2,250.00	5,500.00	4,500.00
Cotton	1,500.00	2,850.00	1,800.00	3,036.00	1,367.00	3,800.00	1,117.00	900.00	1,350.00	2,750.00	2,387.50
	0.50	0.44	0.88	0.88	0.55	0.84	0.58	0.50	0.60	0.50	0.53
Sorghum	240.00	796.00	0.00	0.00	0.00	300.00	0.00	450.00	675.00	2,750.00	1,887.50
	0.08	0.12	0.00	0.00	0.00	0.07	0.00	0.25	0.30	0.50	0.42
Wheat	600.00	1,237.00	0.00	0.00	758.00	400.00	825.00	0.00	0.00	0.00	0.00
	0.20	0.19	0.00	0.00	0.30	0.09	0.43	0.00	0.00	0.00	0.00
Corn	360.00	1,100.00	0.00	0.00	250.00	0.00	0.00	450.00	225.00	0.00	0.00
	0.12	0.17	0.00	0.00	0.10	0.00	0.00	0.25	0.10	0.00	0.00
Peanuts	0.00	0.00	60.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRP	0.00	0.00	183.00	288.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.09	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sugar Cane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	225.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL FARMS PRODUCING COTTON (continued)**

- CAC4000** A 4,000-acre cotton farm located in Kings County, California, CAC4000 plants 2,000 acres to cotton, 1,000 acres to vegetables, 700 acres to hay and silage, and harvests 300 acres of almonds. Forty-six percent of 2006 receipts came from cotton sales.
- LAC2640** This is a 2,640-acre cotton farm located in north Louisiana (Morehouse Parish). LAC2640 plants 924 acres of cotton, 1,056 acres of corn, and 660 acres of soybeans each year. During 2006, 53 percent of farm receipts were generated from cotton sales.
- ARC6000** ARC6000 is a 6,000-acre cotton farm in southeast Arkansas (Desha County) that plants 2,000 acres of cotton, 2,000 acres of rice, 1,500 acres of soybeans, and 500 acres of sorghum. For 2006, 46 percent of gross receipts came from cotton sales, 39 percent from rice sales, and 10 percent from soybean sales.
- ARNC5000** Far northeast Arkansas (Mississippi County) is home to this 5,000-acre cotton farm. ARNC5000 plants all its acres to cotton annually, generating 100 percent of its receipts from cotton.
- TNC1900** A 1,900-acre, moderate-sized West Tennessee (Fayette County) cotton farm. TNC1900 consists of 990 acres of cotton, 440 acres each of soybeans and corn, and 30 acres enrolled in CRP. Cotton accounted for 72 percent of 2006 gross receipts, with corn and soybeans contributing 18 percent and ten percent, respectively.
- TNC4050** TNC4050 is a 4,050-acre, large-sized West Tennessee (Haywood County) cotton farm. This farm plants 2,670 acres of cotton, 820 acres of soybeans, 560 acres of corn, and 328 acres of wheat each year. During 2006, cotton sales generated 78 percent of gross receipts.
- ALC3000** A 3,000-acre cotton farm located in northern Alabama (Lawrence County) that plants 2,100 acres to cotton, 750 acres to corn, and 150 acres to soybeans annually. This farm was early to adopt no-till cropping practices. Cotton sales accounted for 80 percent of total farm receipts during 2006.
- GAC2300** Southwest Georgia (Decatur County) is home to a 2,300-acre cotton farm that plants 1,495 acres to cotton, 575 acres to peanuts, and 230 acres to soybeans. This farm was added during 2001 to represent resurgent cotton production in the Deep South. In 2006, farm receipts were comprised largely of cotton sales (64 percent) and peanut sales (30 percent).
- NCC1100** This is a 1,100-acre cotton farm located on the upper coastal plain of North Carolina (Wayne County). NCC1100 plants 700 acres of cotton, 110 acres of wheat, and 400 acres of soybeans (110 acres of which are double-cropped) annually. Cotton accounted for 74 percent of this farm's 2006 receipts with 13 percent coming from soybean sales.

Appendix Table A5. Characteristics of Panel Farms Producing Cotton.

	CAC4000	LAC2640	ARC6000	ARNC5000	TNC1900	TNC4050	ALC3000	GAC2300	NCC1100
County	Kings	Morehouse	Desha	Mississippi	Fayette	Haywood	Lawrence	Decatur	Wayne
Total Cropland	4,000.00	2,640.00	6,000.00	5,000.00	1,900.00	4,050.00	3,000.00	2,300.00	1,100.00
Acres Owned	2,000.00	0.00	1,200.00	1,000.00	225.00	1,000.00	0.00	690.00	165.00
Acres Leased	2,000.00	2,640.00	4,800.00	4,000.00	1,675.00	3,050.00	3,000.00	1,610.00	935.00
Assets (\$1000)									
Total	13,645.00	976.00	7,265.00	6,247.00	2,410.00	4,466.00	1,567.00	3,961.00	1,889.00
Real Estate	12,183.00	94.00	4,352.00	3,289.00	1,010.00	2,753.00	188.00	2,500.00	1,300.00
Machinery	1,072.00	691.00	2,885.00	2,926.00	686.00	1,377.00	1,307.00	818.00	589.00
Other & Livestock	389.00	191.00	27.00	32.00	714.00	335.00	72.00	642.00	0.00
Debt/Asset Ratios									
Total	0.13	0.18	0.31	0.29	0.13	0.16	0.45	0.12	0.20
Intermediate	0.26	0.24	0.35	0.32	0.31	0.14	0.26	0.21	0.22
Long Run	0.13	0.08	0.10	0.08	0.07	0.11	0.13	0.11	0.12
2006 Gross Receipts (\$1,000)*									
Total	6,408.00	1,364.00	3,225.80	2,843.50	939.00	1,707.80	1,214.30	1,982.60	563.40
Cotton	2,965.30	715.70	1,497.40	2,843.50	677.30	1,334.40	970.80	1,273.70	414.20
	0.46	0.53	0.46	1.00	0.72	0.78	0.80	0.64	0.74
Sorghum	0.00	0.00	142.80	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Wheat	0.00	0.00	0.00	0.00	0.00	78.90	0.00	0.00	20.20
	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.04
Soybeans	0.00	113.40	314.60	0.00	94.10	117.70	16.00	120.70	74.80
	0.00	0.08	0.10	0.00	0.10	0.07	0.01	0.06	0.13
Corn	0.00	495.70	0.00	0.00	166.30	172.80	227.50	0.00	3.20
	0.00	0.36	0.00	0.00	0.18	0.10	0.19	0.00	0.01
Hay	974.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Peanuts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	588.20	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
Rice	0.00	39.20	1,271.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.03	0.39	0.00	0.00	0.00	0.00	0.00	0.00
Other Receipts	2,468.00	0.00	0.00	0.00	1.40	4.00	0.00	0.00	51.00
	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
2006 Planted Acres**									
Total	4,000.00	2,640.00	6,000.00	5,000.00	1,900.00	4,378.00	3,000.00	2,300.00	1,210.00
Cotton	2,000.00	924.00	2,000.00	5,000.00	990.00	2,670.00	2,100.00	1,495.00	700.00
	0.50	0.35	0.33	1.00	0.52	0.61	0.70	0.65	0.58
Sorghum	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Wheat	0.00	0.00	0.00	0.00	0.00	328.00	0.00	0.00	110.00
	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.09
Soybeans	0.00	660.00	1,500.00	0.00	440.00	820.00	150.00	230.00	400.00
	0.00	0.25	0.25	0.00	0.23	0.19	0.05	0.10	0.33
Corn	0.00	1,056.00	0.00	0.00	440.00	560.00	750.00	0.00	0.00
	0.00	0.40	0.00	0.00	0.23	0.13	0.25	0.00	0.00
Hay	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Peanuts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	575.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00
CRP	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Rice	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00
Vegetables	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL FARMS PRODUCING RICE**

- CAR550** CAR550 is a 550-acre moderate-sized rice farm in the Sacramento Valley of California (Sutter and Yuba Counties) that plants 500 acres of rice annually. This farm generated 90 percent of 2006 gross receipts from rice sales.
- CAR2365** This is a 2,365-acre rice farm located in the Sacramento Valley of California (Sutter and Yuba Counties) that is large-sized for the region. CAR2365 plants 2,240 acres of rice annually. Ninety-eight percent of 2006's total receipts were generated from rice sales.
- CABR1100** The Sacramento Valley (Butte County) is home to CABR1100, a 1,100-acre rice farm. CABR1100 harvests 1,000 acres of rice annually, generating 100 percent of 2006 farm receipts from rice sales.
- CACR715** CACR715 is a 715-acre rice farm located in the Sacramento Valley of California (Colusa County). This farm harvests 650 acres of rice each year. During 2006, 99 percent of farm receipts were realized from rice sales.
- TXR1350** This 1,350-acre rice farm located west of Houston, Texas (Colorado County) is moderate-sized for the region. TXR1350 harvests 450 acres of first-crop rice and 405 acres of ratoon rice. The farm generated 98 percent of its receipts from rice during 2006.
- TXR2400** TXR2400 is a 2,400-acre, large-sized rice farm located west of Houston, Texas (Colorado County). This farm harvests 1,200 acres of first-crop rice and 1,080 acres of ratoon rice annually. TXR2400 realized 99 percent of 2006 gross receipts from rice sales.
- TXBR1800** The Texas Gulf Coast (Matagorda County) is home to this 1,800-acre rice farm. TXBR1800 harvests 1,200 acres of rice annually (600 acres of first-crop rice and 600 acres of ratoon rice) and realized 100 percent of 2006 farm receipts from rice sales.
- TXER3200** This 3,200-acre rice farm is large for the Texas Gulf Coast (Wharton County). TXER3200 harvests 1,280 acres of first-crop rice and 960 acres of ratoon rice each year. The farm also grows 160 acres each of soybeans and grain sorghum annually. Ninety-five percent of 2006 receipts came from rice sales.

Appendix Table A6. Characteristics of Panel Farms Producing Rice.

	CAR550	CAR2365	CABR1100	CACR715	TXR1350	TXR2400	TXBR1800	TXER3200
County	Sutter	Sutter	Butte	Colusa	Colorado	Colorado	Matagorda	Wharton
Total Cropland	550.00	2,365.00	1,100.00	715.00	1,350.00	2,400.00	1,800.00	3,200.00
Acres Owned	275.00	769.00	253.00	286.00	405.00	0.00	150.00	320.00
Acres Leased	275.00	1,596.00	847.00	429.00	945.00	2,400.00	1,650.00	2,880.00
Assets (\$1000)								
Total	1,764.00	5,206.00	2,342.00	2,013.00	1,083.00	939.00	861.00	1,179.00
Real Estate	1,239.00	3,935.00	1,370.00	1,666.00	588.00	48.00	326.00	584.00
Machinery	525.00	1,271.00	972.00	348.00	390.00	870.00	535.00	595.00
Other & Livestock	0.00	0.00	0.00	0.00	105.00	21.00	0.00	0.00
Debt/Asset Ratios								
Total	0.34	0.45	0.49	0.37	0.22	0.53	0.44	0.55
Intermediate	0.27	0.30	0.30	0.16	0.19	0.24	0.31	0.33
Long Run	0.13	0.13	0.13	0.13	0.10	0.12	0.13	0.12
2006 Gross Receipts (\$1,000)*								
Total	495.90	2,182.30	939.70	661.00	399.70	838.80	692.90	1,105.80
Rice	445.90	2,142.30	935.70	656.00	389.70	831.30	692.90	1,048.50
	0.90	0.98	1.00	0.99	0.98	0.99	1.00	0.95
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.80
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Other Receipts	50.00	40.00	4.00	5.00	10.00	7.50	0.00	0.00
	0.10	0.02	0.00	0.01	0.03	0.01	0.00	0.00
2006 Planted Acres**								
Total	500.00	2,240.00	1,000.00	650.00	855.00	2,280.00	1,200.00	2,560.00
Rice	500.00	2,240.00	1,000.00	650.00	855.00	2,280.00	1,200.00	2,240.00
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.88
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL FARMS PRODUCING RICE (continued)**

- LASR1200** A 1,200-acre southwest Louisiana (Acadia, Jeff Davis, and Vermilion parishes) rice farm, LASR1200 is moderate-sized for the area. This farm harvests 660 acres of rice and 250 acres of soybeans. During 2006, 85 percent of gross receipts were generated from rice sales.
- LANR2500** This is a 2,500-acre, large-sized northeast Louisiana (Madison Parish) rice farm. This farm harvests 1,000 acres of rice, 800 acres of soybeans, 325 acres of cotton, and 250 acres of corn. For 2006, 57 percent of farm receipts came from rice, 14 percent from soybeans, and 17 percent from cotton.
- MOWR4000** A 4,000-acre rice farm located in southeast Missouri (Butler County), MOWR4000 is large-sized for the region. Annually, this farm plants 2,000 acres of rice and 2,000 acres of soybeans. Seventy-one percent of receipts for this farm came from rice sales in 2006.
- ARSR3640** ARSR3640 is a 3,640-acre, large-sized Arkansas (Arkansas County) rice farm that harvests 1,620 acres of rice, 1,620 acres of soybeans, and 324 acres of wheat each year. Sixty-five percent of this farm's 2006 receipts came from rice sales.
- ARWR1200** East central Arkansas (Cross County) is home to this 1,200-acre rice farm. Moderate-sized for the region, ARWR1200 annually plants 600 acres to rice, 600 acres to soybeans, and 60 acres of double-cropped wheat. During 2006, rice sales generated 71 percent of gross receipts.
- ARHR3000** ARHR3000 is a 3,000-acre large-sized northeast Arkansas (Lawrence County) rice farm that annually harvests 1,750 acres of rice and 1,250 acres of soybeans. Rice sales accounted for 81 percent of 2006 farm receipts.



Appendix Table A7. Characteristics of Panel Farms Producing Rice.

	LASR1200	LANR2500	MOWR4000	ARSR3640	ARWR1200	ARHR3000
County	Acadia	Madison	Butler	Arkansas	Cross	Lawrence
Total Cropland	1,200.00	2,500.00	4,000.00	3,640.00	1,200.00	3,000.00
Acres Owned	50.00	1,250.00	2,000.00	728.00	360.00	1,000.00
Acres Leased	1,150.00	1,250.00	2,000.00	2,912.00	840.00	2,000.00
Assets (\$1000)						
Total	444.00	4,071.00	8,637.00	3,974.00	2,425.00	6,005.00
Real Estate	138.00	2,939.00	6,197.00	2,703.00	1,566.00	4,376.00
Machinery	306.00	1,132.00	2,151.00	1,270.00	823.00	1,588.00
Other & Livestock	0.00	0.00	288.00	0.00	36.00	41.00
Debt/Asset Ratios						
Total	0.99	0.21	0.15	0.14	0.26	0.30
Intermediate	0.38	0.20	0.27	0.20	0.14	0.40
Long Run	0.11	0.09	0.10	0.10	0.09	0.09
2006 Gross Receipts (\$1,000)*						
Total	400.70	1,216.50	1,911.40	1,148.10	559.00	1,525.20
Rice	342.10	692.50	1,356.30	750.00	397.90	1,233.70
	0.85	0.57	0.71	0.65	0.71	0.81
Soybeans	34.60	169.50	555.00	333.50	147.20	291.50
	0.09	0.14	0.29	0.29	0.26	0.19
Corn	0.00	141.00	0.00	0.00	0.00	0.00
	0.00	0.12	0.00	0.00	0.00	0.00
Sorghum	0.00	2.20	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00
Wheat	0.00	0.00	0.00	64.60	13.90	0.00
	0.00	0.00	0.00	0.06	0.03	0.00
Cotton	0.00	211.20	0.00	0.00	0.00	0.00
	0.00	0.17	0.00	0.00	0.00	0.00
Other Receipts	24.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.00	0.00	0.00	0.00	0.00
2006 Planted Acres**						
Total	910.00	2,375.00	4,000.00	3,564.00	1,260.00	3,000.00
Rice	660.00	1,000.00	2,000.00	1,620.00	600.00	1,750.00
	0.73	0.42	0.50	0.46	0.48	0.58
Soybeans	250.00	800.00	2,000.00	1,620.00	600.00	1,250.00
	0.28	0.34	0.50	0.46	0.48	0.42
Corn	0.00	250.00	0.00	0.00	0.00	0.00
	0.00	0.11	0.00	0.00	0.00	0.00
Wheat	0.00	0.00	0.00	324.00	60.00	0.00
	0.00	0.00	0.00	0.09	0.05	0.00
Cotton	0.00	325.00	0.00	0.00	0.00	0.00
	0.00	0.14	0.00	0.00	0.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL FARMS PRODUCING MILK**

- CAD1710** A 1,710-cow, large-sized central California (Tulare County) dairy. The farm plants 1,100 acres of hay/silage for which it employs custom harvesting. Milk sales generated 91 percent of 2006 total receipts.
- NMD2125** A 2,125 cow, large-sized southern New Mexico (Dona Ana and Chaves Counties) dairy. This farm purchases all commodities necessary for blending its own total mixed ration and plants no crops. Milk sales accounted for 91 percent of 2006 total receipts.
- WAD250** A 250-cow, moderate-sized northern Washington (Whatcom County) dairy. This farm plants 200 acres of silage and generated 88 percent of its 2006 gross receipts from milk sales.
- WAD850** An 850-cow, large-sized northern Washington (Whatcom County) dairy. This farm plants 605 acres for silage annually. During 2006, 93 percent of this farm's gross receipts came from milk.
- IDD1000** A 1,000-cow, moderate-sized Idaho (Twin Falls County) dairy. This farm plants no crops. Milk sales accounted for 88 percent of IDD1000's gross receipts for 2006.
- IDD3000** A 3,000-cow, large-sized Idaho (Twin Falls County) dairy. This farm plants 2,000 acres for silage annually. Milk sales represent 91 percent of this farm's gross receipts.
- TXND3000** A 3,000-cow, large-sized dairy located in the South Plains of Texas (Bailey County). This farm plants 180 acres of sorghum for silage annually. Milk sales account for 90 percent of 2006 gross receipts.
- TXCD550** A 550-cow, moderate-sized central Texas (Erath County) dairy. TXCD550 plants 500 acres of hay each year. Milk sales represented 90 percent of this farm's 2006 gross receipts.
- TXCD1300** A 1,300-cow, large-sized central Texas (Erath County) dairy. TXCD1300 plants 400 acres of silage annually. During 2006, milk sales accounted for 91 percent of receipts.

Appendix Table A8. Characteristics of Panel Farms Producing Milk.

	CAD1710	NMD2125	WAD250	WAD850	IDD1000	IDD3000	TXND3000	TXCD550	TXCD1300
County	Tulare	Chaves	Whatcom	Whatcom	Twin Falls	Twin Falls	Bailey	Erath	Erath
Total Cropland	700.00	370.00	200.00	605.00	360.00	1,500.00	480.00	250.00	460.00
Acres Owned	700.00	370.00	100.00	300.00	360.00	1,500.00	480.00	250.00	230.00
Acres Leased	0.00	0.00	100.00	305.00	0.00	0.00	0.00	0.00	230.00
Pastureland									
Acres Owned	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	140.00
Assets (\$1000)									
Total	13,304.00	10,276.00	2,894.00	6,705.00	6,097.00	20,551.00	12,383.00	2,654.00	6,492.00
Real Estate	8,061.00	4,753.00	1,915.00	4,499.00	2,874.00	10,516.00	3,880.00	1,211.00	2,460.00
Machinery	324.00	612.00	299.00	706.00	296.00	866.00	753.00	341.00	850.00
Other & Livestock	4,919.00	4,912.00	681.00	1,499.00	2,927.00	9,168.00	7,750.00	1,102.00	3,183.00
Debt/Asset Ratios									
Total	0.13	0.11	0.16	0.20	0.09	0.10	0.10	0.19	0.14
Intermediate	0.00	0.05	0.14	0.09	0.02	0.02	0.03	0.04	0.09
Long Run	0.19	0.17	0.17	0.22	0.16	0.16	0.23	0.20	0.23
Number of Livestock									
Dairy Cows	1,710.00	2,125.00	250.00	850.00	1,000.00	3,000.00	3,000.00	550.00	1,300.00
Cwt Milk/Cow	230.00	214.00	237.00	252.00	251.00	251.00	209.00	189.00	205.00
2006 Gross Receipts (\$1,000)*									
Total	5,121.00	6,351.80	816.10	2,730.00	3,296.50	9,574.90	8,537.00	1,492.20	3,939.00
Milk	4,665.60	5,767.90	720.50	2,545.30	2,911.10	8,733.40	7,640.10	1,349.00	3,592.70
	0.91	0.91	0.88	0.93	0.88	0.91	0.90	0.90	0.91
Dairy Cattle	415.60	569.30	78.50	152.40	298.60	790.50	882.20	128.50	331.60
	0.08	0.09	0.10	0.06	0.09	0.08	0.10	0.09	0.08
Other Receipts	25.10	0.00	2.30	17.60	72.00	36.30	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
2006 Planted Acres**									
Total	1,100.00	0.00	200.00	605.00	0.00	2,000.00	180.00	500.00	400.00
Hay	300.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00
	0.27	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Silage	800.00	0.00	200.00	605.00	0.00	2,000.00	180.00	0.00	400.00
	0.73	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL FARMS PRODUCING MILK (continued)**

- TXED450** A 450-cow, moderate-sized northeast Texas (Hopkins County) dairy. This farm has 850 acres of improved pasture and 50 acres of hay. During 2006, milk sales represented 87 percent of annual receipts.
- TXED1000** A 1,000-cow, large-sized northeast Texas (Hopkins County) dairy. This farm plants 1,025 acres of hay/silage. This farm generated 93 percent of 2006 receipts from milk sales.
- WID145** A 145-cow, moderate-sized eastern Wisconsin (Winnebago County) dairy. The farm plants 237 acres of silage, 60 acres for hay, 184 acres of corn, and 99 acres of soybeans. Milk constituted 87 percent of this farm's 2006 receipts.
- WID775** A 775-cow, large-sized eastern Wisconsin (Winnebago County) dairy. The farm plants 696 acres of hay and 454 acres of silage each year. Milk sales comprised 92 percent of the farm's 2006 receipts.
- NYWD800** An 800-cow, moderate-sized western New York (Wyoming County) dairy. This farm plants 690 acres of silage and 750 acres of haylage annually. Milk sales accounted for 92 percent of the gross receipts for this farm in 2006.
- NYWD1200** A 1,200-cow, large-sized western New York (Wyoming County) dairy. This farm plants 2,160 acres for silage annually. Milk sales accounted for 92 percent of the gross receipts for this farm in 2006.
- NYCD110** A 110-cow, moderate-sized central New York (Cayuga County) dairy. The farm plants 80 acres for hay, 64 acres for corn, and 131 acres for silage annually. Milk accounted for 86 percent of the gross receipts for 2006 on this dairy.
- NYCD500** A 500-cow, large-sized central New York (Cayuga County) dairy. This farm plants 714 acres of hay and haylage and 386 acres of silage. Milk sales make up 92 percent of the 2006 total receipts for this dairy.

Appendix Table A9. Characteristics of Panel Farms Producing Milk.

	TXED450	TXED1000	WID145	WID775	NYWD800	NYWD1200	NYCD110	NYCD500
County	Hopkins	Hopkins	Winnebago	Winnebago	Wyoming	Wyoming	Cayuga	Cayuga
Total Cropland	850.00	750.00	600.00	1,200.00	1,440.00	2,160.00	296.00	1,100.00
Acres Owned	425.00	500.00	330.00	480.00	1,040.00	1,440.00	250.00	841.00
Acres Leased	425.00	250.00	270.00	720.00	400.00	720.00	46.00	259.00
Pastureland								
Acres Owned	0.00	0.00	40.00	0.00	100.00	50.00	20.00	400.00
Assets (\$1000)								
Total	2,854.00	5,975.00	2,941.00	5,637.00	6,027.00	9,121.00	1,036.00	4,070.00
Real Estate	1,553.00	3,116.00	2,027.00	2,884.00	3,465.00	5,275.00	461.00	2,395.00
Machinery	226.00	886.00	293.00	371.00	1,153.00	1,574.00	138.00	534.00
Other & Livestock	1,075.00	1,973.00	622.00	2,381.00	1,409.00	2,273.00	437.00	1,141.00
Debt/Asset Ratios								
Total	0.13	0.16	0.15	0.12	0.19	0.15	0.13	0.12
Intermediate	0.06	0.09	0.05	0.04	0.13	0.08	0.10	0.06
Long Run	0.19	0.22	0.18	0.21	0.19	0.19	0.20	0.17
Number of Livestock								
Dairy Cows	450.00	1,000.00	145.00	775.00	800.00	1,200.00	110.00	500.00
Cwt Milk/Cow	183.00	209.00	254.00	254.00	247.00	242.00	255.00	250.00
Beef Cows	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006 Gross Receipts (\$1,000)*								
Total	1,208.20	2,869.80	551.50	2,887.00	2,808.50	4,192.60	453.30	1,870.70
Milk	1,049.40	2,669.50	481.50	2,666.70	2,585.40	3,836.50	391.60	1,716.60
	0.87	0.93	0.87	0.92	0.92	0.92	0.86	0.92
Dairy Cattle	101.10	185.60	46.30	181.60	174.00	294.00	40.90	120.30
	0.08	0.07	0.08	0.06	0.06	0.07	0.09	0.06
Hay	0.00	0.00	0.00	6.90	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Silage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006 Planted Acres**								
Total	900.00	1,025.00	600.00	1,200.00	1,440.00	2,160.00	275.00	1,100.00
Hay	50.00	550.00	60.00	696.00	750.00	0.00	80.00	714.00
	0.06	0.54	0.10	0.58	0.52	0.00	0.29	0.65
Silage	0.00	475.00	237.00	454.00	690.00	2,160.00	131.00	386.00
	0.00	0.46	0.40	0.38	0.48	1.00	0.48	0.35
Improved Pasture	850.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corn	0.00	0.00	184.00	0.00	0.00	0.00	64.00	0.00
	0.00	0.00	0.31	0.00	0.00	0.00	0.23	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL FARMS PRODUCING MILK (continued)**

- VTD140** A 140-cow, moderate-sized Vermont (Washington County) dairy. VTD140 plants 30 acres of hay, and 190 acres of silage annually. Milk accounted for 85 percent of the 2006 receipts for this farm.
- VTD400** A 400-cow, large-sized Vermont (Washington County) dairy. This farm plants 100 acres of hay and 900 acres of silage annually. Milk sales represent 88 percent of VTD400's gross receipts in 2006.
- MOD85** An 85-cow, moderate-sized southwest Missouri (Christian County) dairy. The farm plants 190 acres of hay and 32 acres of silage. Milk accounted for 82 percent of gross farm receipts for 2006.
- MOD400** A 400-cow, large-sized southwest Missouri (Dade County) dairy. The farm plants 315 acres of hay, 135 acres of silage, and 150 acres of improved pasture annually. Milk accounted for 92 percent of gross farm receipts for 2006.
- FLND550** A 550-cow, moderate-sized north Florida (Lafayette County) dairy. The dairy grows 130 acres of hay each year. All other feed requirements are purchased in a pre-mixed ration. Milk sales accounted for 92 percent of the farm receipts.
- FLSD1500** A 1,500-cow, large-sized south central Florida (Okeechobee County) dairy. FLSD1500 plants 100 acres of hay and 400 acres of silage annually. Milk sales represent 94 percent of 2006 total receipts.

Appendix Table A10. Characteristics of Panel Farms Producing Milk.

	VTD140	VTD400	MOD85	MOD400	FLND550	FLSD1500
County	Washington	Washington	Christian	Dade	Lafayette	Okeechobee
Total Cropland	220.00	1,000.00	222.00	450.00	600.00	400.00
Acres Owned	100.00	525.00	222.00	450.00	450.00	400.00
Acres Leased	120.00	475.00	0.00	0.00	150.00	0.00
Pastureland						
Acres Owned	120.00	50.00	55.00	150.00	60.00	470.00
Acres Leased	0.00	50.00	55.00	0.00	0.00	0.00
Assets (\$1000)						
Total	1,732.00	4,280.00	1,451.00	3,839.00	4,096.00	8,958.00
Real Estate	685.00	2,577.00	1,009.00	2,211.00	2,269.00	4,620.00
Machinery	263.00	502.00	177.00	412.00	157.00	401.00
Other & Livestock	784.00	1,201.00	264.00	1,217.00	1,670.00	3,937.00
Debt/Asset Ratios						
Total	0.14	0.14	0.14	0.12	0.10	0.21
Intermediate	0.14	0.08	0.10	0.08	0.03	0.04
Long Run	0.14	0.19	0.16	0.16	0.16	0.17
Number of Livestock						
Dairy Cows	140.00	400.00	85.00	400.00	550.00	1,500.00
Cwt Milk/Cow	237.00	230.00	185.00	218.00	183.00	180.00
2006 Gross Receipts (\$1,000)*						
Total	561.10	1,457.50	247.20	1,260.30	1,760.60	4,481.30
Milk	478.50	1,285.50	201.40	1,153.10	1,627.30	4,222.10
	0.85	0.88	0.82	0.92	0.92	0.94
Dairy Cattle	55.00	130.40	36.10	92.50	118.60	244.50
	0.10	0.09	0.15	0.07	0.07	0.06
Other Receipts	12.90	26.90	0.00	0.00	0.00	0.00
	0.01	0.00	0.00	0.00	0.00	0.00
2006 Planted Acres**						
Total	220.00	1,000.00	222.00	600.00	130.00	500.00
Hay	30.00	100.00	190.00	315.00	130.00	100.00
	0.14	0.10	0.86	0.53	1.00	0.20
Silage	190.00	900.00	32.00	135.00	0.00	400.00
	0.86	0.90	0.14	0.23	0.00	0.80
Improved Pasture	0.00	0.00	0.00	150.00	0.00	0.00
	0.00	0.00	0.00	0.25	0.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL RANCHES PRODUCING BEEF CATTLE**

- CAB500** Located in the northern Sacramento Valley (Tehama County, California), this 500-cow operation covers 13,125 acres of deeded and privately owned leased range. Additionally, 2,000 AUMs are leased from the BLM. All 2006 receipts were generated by the cow-calf operation.
- NVB700** NVB700 is a 700-cow ranch located in northeastern Nevada (Elko County). The operation consists of 1,300 acres of owned hay meadow and 8,725 acres of owned range, supplemented by 4,450 AUMs leased from the U.S. Forest Service. Each year, the ranch harvests 975 acres of hay. Annually, cattle sales represent all of the ranch's receipts.
- MTB500** A 500-cow ranch located on the eastern plains of Montana (Custer County), MTB500 runs cows on a combination of owned land and land leased from federal, state, and private sources. Federal land satisfies one quarter of total grazing needs. The ranch owns 14,000 acres of pasture. 640 acres of hay are produced annually on the owned land. Also, all deeded acres are leased for hunting. Cattle sales represented 98 percent of this ranch's 2006 receipts.
- WYB335** This 335-cow ranch is located in north central Wyoming (Washakie County). The herd size was reduced from 500 head, in response to persisting (8 year) drought conditions. The ranch leases 2000 AUMs from the U.S. Forest Service and owns 1,000 acres of range. In response to drought, the ranch has begun leasing 700 acres of private pasture. Annually, the ranch harvests 305 acres of alfalfa and grass hay on owned ground. The ranch backgrounds two-thirds of its calves for ninety days. In 2006, cattle sales accounted for 81 percent of gross receipts, while hay sales accounted for 17 percent.
- COB250** This 250-cow ranch is located in northwestern Colorado (Routt County). Federal land provides seven percent of the ranch's grazing needs. The ranch owns 2,300 acres of rangeland, and the cattle graze federal land during the summer. COB250 harvests 450 acres of hay each year at a projected yield of 2.5 tons per acre. The ranch sold 350 tons of meadow hay in 2006. Cattle sales accounted for 68 percent of the ranch's 2006 total receipts.
- NMB240** NMB240 is a 240-cow ranch located in northeastern New Mexico (Union County). In 2002, this ranch liquidated 20 percent of its mature cowherd in response to oppressive drought, culling 60 of its 300. With improving range conditions, ranchers have opted to fill the gap with summer stockers. Accordingly, 200 summer stocker steers were added to this ranch. During 2006, 97 percent of gross receipts were derived from cattle sales with the balance of receipts generated from fee hunting.



Appendix Table A11. Characteristics of Panel Farms Producing Beef Cattle.

	CAB500	NVB700	MTB500	WYB335	COB250	NMB240
County	Tehama	Elko	Custer	Washakie	Routt	Union
Total Cropland	0.00	1,300.00	0.00	330.00	450.00	0.00
Acres Owned	0.00	1,300.00	0.00	330.00	450.00	0.00
Acres Leased	0.00	0.00	0.00	0.00	0.00	0.00
Pastureland						
Acres Owned	13,125.00	8,725.00	14,000.00	1,000.00	2,300.00	10,072.00
Acres Leased	0.00	0.00	0.00	0.00	0.00	2,261.00
Federal AUMs Leas	2,000.00	4,450.00	1,350.00	2,000.00	200.00	0.00
State/Private AUMs	3,000.00	640.00	5,180.00	700.00	520.00	0.00
Assets (\$1000)						
Total	12,627.00	4,155.00	3,983.00	3,094.00	14,191.00	5,112.00
Real Estate	11,905.00	3,053.00	3,150.00	2,344.00	13,547.00	4,717.00
Machinery	91.00	236.00	150.00	230.00	230.00	88.00
Other & Livestock	631.00	866.00	683.00	521.00	414.00	307.00
Debt/Asset Ratios						
Total	0.01	0.02	0.01	0.03	0.01	0.01
Intermediate	0.02	0.04	0.05	0.06	0.03	0.02
Long Run	0.01	0.01	0.01	0.01	0.01	0.01
Number of Livestock						
Beef Cows	500.00	700.00	500.00	335.00	250.00	240.00
2006 Gross Receipts (\$1,000)*						
Total	306.90	354.40	299.30	258.50	225.50	292.20
Cattle	306.90	354.40	292.30	209.90	152.50	283.00
	1.00	1.00	0.98	0.81	0.68	0.97
Hay	0.00	0.00	0.00	43.60	64.00	0.00
	0.00	0.00	0.00	0.17	0.28	0.00
Other Receipts	0.00	0.00	7.00	5.00	9.00	9.20
	0.00	0.00	0.02	0.02	0.04	0.03
2006 Planted Acres**						
Total	0.00	975.00	640.00	305.00	450.00	0.00
Hay	0.00	975.00	640.00	305.00	450.00	0.00
	0.00	1.00	1.00	1.00	1.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

**2006 CHARACTERISTICS OF PANEL RANCHES PRODUCING BEEF CATTLE (continued)**

- SDB450** SDB450 is a 450-cow West River (Meade County, South Dakota) beef cattle ranch. This operation produces hay and oats on 1,150 acres of owned cropland, and runs its cows on 6,700 acres of owned native range. Grazing needs are supplemented with 2,100 AUMs leased from federal and state sources. In 2006, calf and culled cow/bull sales accounted for 90 percent of gross receipts.
- MOB240** A 240-cow beef cattle operation is the focal point of this diversified livestock and crop farm located in southwest Missouri (Dade County). MOB240 plants 100 acres of corn, 24 acres of sorghum, 58 acres of wheat, 116 acres of soybeans, and 560 acres of hay. During 2006, cattle sales comprised 64 percent of gross receipts.
- MOCB400** MOCB400 is a 400-cow beef cattle farm located in central Missouri (Dent County). This farm consists of 1,060 acres of owned ground and 500 acres of leased ground. Annually, 410 acres of hay are harvested on owned land. 2006 cattle sales represented 97 percent of MOCB350's cash receipts.
- TXRB500** The western Rolling Plains of Texas (King County) is home to this 500-head cow-calf operation. This ranch operates on 20,000 acres (half owned, half leased) of native range. After weaning, calves are placed on wheat pasture and then either sold as feeder cattle or retained as replacement females. Seventy-nine percent of 2006 receipts came from cattle sales, while 21 percent came from fee hunting.
- TXSB175** A 175-head cow-calf operation is the central focus of this full-time agricultural operation in south central Texas (Gonzales County). Faced with continued drought, the ranch liquidated 30% of its mature cowherd in 2006, hence expects a decreased calf crop in 2007. The arid conditions also prompted the ranch to wean calves light in early 2006. Contract broiler production is an important source of agricultural revenue for this ranch; even so, cattle sales accounted for 83 percent of 2006 gross receipts.
- FLB1155** This is a 1,155-cow ranch located in central Florida (Osceola County). FLB1155 runs cows on 5,400 acres of owned improved pasture, from which 3,560 acres of hay are harvested annually. Sales of sod are a burgeoning source of agricultural income for area ranches. During 2006, cattle sales represented 90 percent of total receipts.
- OTHERS** Six other representative farms have beef cattle operations along with their crop production (MONG1850, TXHG2000, TXWG1400, KSNW2800, KSNW5000, and TXRP2500). These farming operations have from 17 to 200 cows. Cattle contributed from three to 18 percent of gross receipts for these farms in 2006.

Appendix Table A12. Characteristics of Panel Farms Producing Beef Cattle.

	SDB450	MOB240	MOCB400	TXRB500	TXSB175	FLB1155
County	Meade	Dade	Dent	King	Gonzales	Osceola
Total Cropland	1,150.00	240.00	40.00	0.00	0.00	5,400.00
Acres Owned	1,150.00	175.00	40.00	0.00	0.00	5,400.00
Acres Leased	0.00	65.00	0.00	0.00	0.00	0.00
Pastureland						
Acres Owned	6,700.00	570.00	1,020.00	10,000.00	900.00	0.00
Acres Leased	0.00	280.00	500.00	10,000.00	775.00	0.00
Federal AUMs Leas	1,800.00	0.00	0.00	0.00	0.00	0.00
State/Private AUMs	300.00	0.00	0.00	0.00	0.00	0.00
Assets (\$1000)						
Total	3,796.00	2,451.00	3,499.00	6,043.00	2,600.00	14,897.00
Real Estate	2,936.00	1,525.00	1,559.00	5,033.00	2,253.00	13,673.00
Machinery	207.00	240.00	112.00	66.00	106.00	137.00
Other & Livestock	653.00	686.00	1,828.00	944.00	240.00	1,087.00
Debt/Asset Ratios						
Total	0.02	0.02	0.01	0.01	0.02	0.01
Intermediate	0.05	0.08	0.02	0.03	0.10	0.01
Long Run	0.01	0.00	0.00	0.01	0.01	0.01
Number of Livestock						
Beef Cows	450.00	250.00	400.00	500.00	250.00	1,155.00
2006 Gross Receipts (\$1,000)*						
Total	284.10	234.90	279.50	428.80	191.00	628.80
Cattle	255.80	150.20	270.10	338.80	158.50	567.60
	0.90	0.64	0.97	0.79	0.83	0.90
Corn	0.00	35.80	0.00	0.00	0.00	0.00
	0.00	0.15	0.00	0.00	0.00	0.00
Sorghum	0.00	0.70	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00
Soybeans	0.00	17.50	0.00	0.00	0.00	0.00
	0.00	0.07	0.00	0.00	0.00	0.00
Wheat	0.00	14.10	0.00	0.00	0.00	0.00
	0.00	0.06	0.00	0.00	0.00	0.00
Hay	28.30	16.60	5.10	0.00	0.00	0.00
	0.10	0.07	0.02	0.00	0.00	0.00
Other Receipts	0.00	0.00	4.30	90.00	32.50	61.20
	0.00	0.00	0.02	0.21	0.17	0.10
2006 Planted Acres**						
Total	960.00	1,428.00	1,560.00	0.00	0.00	3,560.00
Corn	0.00	100.00	0.00	0.00	0.00	0.00
	0.00	0.07	0.00	0.00	0.00	0.00
Sorghum	0.00	24.00	0.00	0.00	0.00	0.00
	0.00	0.02	0.00	0.00	0.00	0.00
Soybeans	0.00	116.00	0.00	0.00	0.00	0.00
	0.00	0.08	0.00	0.00	0.00	0.00
Wheat	0.00	58.00	0.00	0.00	0.00	0.00
	0.00	0.04	0.00	0.00	0.00	0.00
Hay	840.00	560.00	410.00	0.00	0.00	3,560.00
	0.88	0.39	0.26	0.00	0.00	1.00
Oats	120.00	0.00	0.00	0.00	0.00	0.00
	0.13	0.00	0.00	0.00	0.00	0.00
Improved Pasture	0.00	570.00	1,150.00	0.00	0.00	0.00
	0.00	0.40	0.74	0.00	0.00	0.00

\*Receipts for 2006 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

\*\*Acreages for 2006 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.



**APPENDIX B:**  
LIST OF PANEL FARM  
COOPERATORS

## FEED GRAIN FARMS

### Indiana

#### *Facilitators*

Mr. Scott Gabbard - Extension Educator, Shelby County, Purdue Cooperative Extension

#### *Panel Participants*

Mr. David Brown	Mr. Kevin Carson
Mr. Jerry Drake	Mr. Gary Everhart
Mr. Richard Fix	Mr. Darrell Linville
Mr. Mark Nigh	Mr. Jeff Pfaff
Mr. Gary Robards	Mr. Doug Theobald
Mr. Keith Theobald	

### Iowa

#### *Facilitators*

Mr. Jim Patton - County Extension Director, Webster County

#### *Panel Participants*

Mr. Robert Anderson	Mr. Dean Black
Mr. Perry Black	Mr. Jason Carver
Mr. and Mrs. Jim Carver	Mr. Kevin Carver
Mr. Larry Lane	Mr. Robert Lynch
Mr. Don Sandell	Mr. William Secor
Mr. Doug Stanek	Mr. Jason Stanek
Mr. Loren Wuebker	

### Missouri - Central

#### *Facilitators*

Mr. Parman Green - Farm Management Specialist, University of Missouri-Columbia

#### *Panel Participants*

Mr. Mark Casner	Mr. Kyle Durham
Mr. Dennis Germann	Mr. Jack Harriman
Mr. Mike Hisle	Mr. Glenn Kaiser
Mr. Gerald Kitchen	Mr. Rob Korff
Mr. Ron Linneman	Mr. Terry Reimer
Mr. Mike Ritchhart	Mr. James Wheeler

### Missouri - Northwest

#### *Facilitators*

Mr. Mike Killingsworth - Farm Management Consultant

#### *Panel Participants*

Mr. Jack Baldwin	Mr. Kevin Rosenbohm
Mr. Roger Vest	

### Nebraska - Central

#### *Facilitators*

Mr. David Stenberg - Extension Educator, Dawson County

#### *Panel Participants*

Mr. Jim Aden	Mr. Rob Anderson
Mr. Jeremy Geiger	Mr. Greg Hueftle
Mr. Pat Luther	Mr. Tim Maline
Mr. Scott McPheeters	Mr. Dave Rowe
Mr. Paul Stieb	Mr. Dan Strauss

**FEED GRAIN FARMS (CONTINUED)****North Dakota***Facilitators*

Dr. Dwight Aakre - Extension Associate-Farm Management, North Dakota State University  
 Mr. Randy Grueneich - County Extension Agent, North Dakota State University

*Panel Participants*

Mr. Jim Broten	Mr. Wade Bruns
Mr. Mike Clemens	Mr. Jack Formo
Mr. Leland Gussette	Mr. Raymond Haugen
Mr. Greg Shanenko	Mr. Anthony Thilmony
Mr. Arvid Winkler	

**South Carolina***Facilitators*

Mr. Toby Boring - Extension Economist, Clemson University  
 Dr. Todd Davis - Assistant Professor/Extension Economist, Clemson University  
 Mr. Tripp Kemp - Loan Officer, AgSouth Farm Credit  
 Ms. Corey Risch - Extension Economist, Clemson University

*Panel Participants*

Mr. Troy Allen	Mr. Corrin F. "Bud" Bowers
Ms. Vikki Brogdon	Mr. Cag Brunson
Mr. Chris Cogdill	Mr. Johnny & Debbie Crider
Mr. Harry DuRant	Mr. Sam Durant
Mr. Jason Gamble	Mr. Steven Gamble
Mr. Jimmie Griner	Mr. Henry Herndol
Mr. Charles Horger	Mr. Bates Houck
Mr. Doug Jarrell	Mr. Tommy Lee
Mr. J. O. Patterson	Mr. Jeff Sandifer
Mr. Stephen Still	

**Tennessee***Facilitators*

Mr. Ken J. Goddard - Extension Agent & County Director, Henry County  
 Mr. Jeff Lannom - Extension Agent & County Director, Weakley County  
 Mr. Tim Smith - County Extension Agent, Obion County  
 Dr. Kelly Tiller - Agricultural Policy Analysis Center, University of Tennessee  
 Mr. Bob Williams - Extension Area Specialist, Weakley County

*Panel Participants*

Mr. Jason Crabtree	Mr. James S. Davis
Mr. John Erwin	Mr. Mike Freeman
Mr. David Grant	Mr. Wayne Grant
Mr. Bob Grooms	Mr. Donald Parker
Mr. Doug Schoolfield	Mr. Jamie Tuck
Mr. Gilbert Workman, Jr.	

**Texas - Northern Blackland Prairie***Facilitators*

Mr. Marty Jungman - County Extension Agent, Hill County

*Panel Participants*

Mr. Kenneth Machac	Mr. Lanny Neil
Mr. Barney Pustejovsky	Mr. John Sawyer
Mr. Aaron Walters	

## FEED GRAIN FARMS (CONTINUED)

### Texas - Panhandle

#### *Facilitators*

Mr. Rick Auckerman - County Extension Agent, Deaf Smith County

#### *Panel Participants*

Mr. Donny Carpenter

Mr. Coby Gilbreath

Ms. Rosie Kleman

Mr. Lance Loudder

Mr. Greg Sides

Mr. Andy Williams

### Texas - Southern Blackland Prairie

#### *Facilitators*

Mr. Ronnie Leps - County Extension Agent, Williamson County

#### *Panel Participants*

Mr. Bob Bartosh

Mr. Herbert Raesz

Mr. Doug Schernik

Mr. Ken Seggern

Mr. Donald Stolte

### Texas - Southwest

#### *Facilitators*

Mr. Kenneth White - County Extension Agent, Uvalde County

#### *Panel Participants*

Mr. Jimmy Carnes

Mr. Austin Clary

Mr. Mark Landry

Mr. Danny Parker

Mr. James Parker



## WHEAT FARMS

### Colorado

#### *Facilitators*

Mr. John Deering - Ag Business Agent, Colorado State University

Mr. Dennis Kaan - Director, Golden Plains Area Extension, Colorado State University

#### *Panel Participants*

Mr. Marvin Brandon

Ms. Sara Davis

Mr. David Foy

Mr. Terry Kuntz

Mr. Rick Lewton

Mr. Dave Lillich

Mr. Ken Remington

Mr. Calvin Schaffert

Mr. Dave Wagers

Mr. Monte Willeke

Mr. John Wright

### Kansas - Northwest

#### *Facilitators*

Dr. Dan O'Brien - Area Extension Director, Kansas State University

Mr. Mark Wood - Extension Agricultural Economist, Kansas Farm Mgmt. Association

#### *Panel Participants*

Mr. Vernon Akers

Mr. Steve Busse

Mr. Rich Calliham

Mr. Sam Crouse

Mr. Dennis Franklin

Mr. Lyman Goetsch

Mr. Lee Jueneman

Mr. Brian Laufer

Mr. Lance Leebrick

Mr. Harold Mizell

Mr. Steve Schertz

### Kansas - South Central

#### *Facilitators*

Mr. Gary Cramer - County Extension Agent, Sedgwick County

Mr. Johnny Roberts - County Extension Agent, Sumner County

#### *Panel Participants*

Mr. Donald Applegate

Mr. Dennis Gruenbacher

Mr. Kent Ott

Mr. Rae Reusser

Mr. Nick Steffen

Mr. Jim Stuhlsatz

Mr. Tim Turek

Mr. Robert White

### Montana - North Central

#### *Facilitators*

Mr. Lochiel Edwards

#### *Panel Participants*

Mr. Darin Arganbright

Mr. Steve Bahnmilller

Mr. Duane Beirwagen

Mr. Will Roehm

Mr. Dan Works

### Oregon - North Central

#### *Facilitators*

Jon Farquharson - BMCC Farm Management

#### *Panel Participants*

Mr. Dana Heideman

Mr. Bill Jepsen

Mr. Joe McElligott

Mr. Craig Miles

Mrs. Shannon Rust

Mr. Tim Rust

**WHEAT FARMS (CONTINUED)****Washington***Facilitators*

Ms. Gretchen Borck - Director of Issues, Washington Association of Wheat Growers

*Panel Participants*

Mr. Dan Hille  
Mr. Tim Smith

Mr. Alan Koch  
Mr. Steve Taylor

**Washington - Palouse***Facilitators*

Dr. Janet Schmidt - Extension Faculty, Washington State University  
Mr. Steve Van Vleet - Extension Agronomist, Washington State University

*Panel Participants*

Mr. Ben Barstow  
Mr. Tom Cocking  
Mr. Brian Largent  
Mr. Clark Miller  
Mr. Randy Suess  
Mr. Del Teade  
Mr. Jon Whitman

Mr. Asa Clark  
Mr. David Harlow  
Mr. Gary Largent  
Mr. Bruce Nelson  
Mr. David Swanneck  
Mr. Steve Teade

## COTTON FARMS

### Alabama

#### *Panel Participants*

Mr. James Blythe  
 Dr. Steve Ford  
 Ms. Larkin Martin

Mr. Paul Clark  
 Mr. William Lee  
 Mr. Ron Terry

### Arkansas

#### *Facilitators*

Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension

#### *Panel Participants*

Mr. Phillip Baugh  
 Mr. Joe Mencer  
 Mr. Sam Whitaker

Mr. Jeff Keeter  
 Mr. Jim Whitaker

### Arkansas - Adams Land Co. Gin

#### *Facilitators*

Dr. Rob Hogan - Extension Economist, University of Arkansas  
 Mr. Ronnie Kennett

#### *Panel Participants*

Mr. Chad Costner  
 Mr. Todd Edwards  
 Mr. Randy Jackson

Mr. Heath Donner  
 Mr. Cole Hawkins  
 Mr. David Wildy

### California - Hanford

#### *Facilitators*

Mr. Steve Wright - Cooperative Extension County Offices, Tulare County

#### *Panel Participants*

Mr. Bo Champlin  
 Mr. Bill Stone

Mr. Bob Prys  
 Mr. Bill Tos

### Georgia - Southwest

#### *Facilitators*

Mr. Joel Hudgins - County Extension Coordinator, Decatur County  
 Mr. Brad Mitchell - County Extension Coordinator, Mitchell County  
 Dr. Don Shurley - Professor/Economist - Cotton, University of Georgia  
 Dr. Nathan Smith - Assistant Professor, Extension Economist, University of Georgia  
 Ms. Amanda Ziehl

#### *Panel Participants*

Mr. Andy Bell  
 Mr. David Holton

Mr. John Bridges, Jr.  
 Mr. Donald Shirah

### Louisiana

#### *Facilitators*

Mr. John Barnett - Director, LSU Ag Center, Central Region  
 Dr. Gene Johnson - Professor, Agricultural Marketing, Louisiana State University

#### *Panel Participants*

Mr. Jess Barr  
 Mr. J. Macon LaFoe, Sr.  
 Mr. Buddy Page

Mr. Buddy Davis  
 Mr. Randy Miller  
 Mr. Jerry Stutts

**COTTON FARMS (CONTINUED)****North Carolina***Facilitators*

Mr. R. H. "Bob" Pleasants - County Extension Agent, Wayne County

*Panel Participants*

Mr. Daryl Anderson  
 Mr. Willie Howell  
 Mr. Danny C. Pierce  
 Mr. Bryant Worley

Mr. Landis Brantham, Jr.  
 Mr. David B. Mitchell, Sr.  
 Mr. Craig West

**Tennessee***Facilitators*

Mr. Jim Castellaw - Extension Area Specialist, Farm Management  
 Dr. Chism Craig - University of Tennessee  
 Mr. Chuck Danehower - Extension Area Specialist, Farm Management  
 Ms. Tracey Sullivan  
 Dr. Kelly Tiller - Agricultural Policy Analysis Center, University of Tennessee  
 Mr. Jeff Via - County Extension Director, Fayette County

*Panel Participants*

Mr. Harris Armour, III  
 Mr. Dewayne Hendrix  
 Mr. Allen King  
 Mr. Travis Lonon  
 Mr. Ronald Woods

Mr. R. Morris English, Jr.  
 Mr. Tom Karcher  
 Mr. John King  
 Mr. William E. Powers

**Texas - Coastal Bend***Facilitators*

Dr. Larry Falconer - Extension Economist - Management, Texas A&M University  
 Mr. Mark Miller - Chief Operations Officer, Texas AgFinance  
 Mr. Jeff Nunley - Executive Director, South Texas Cotton & Grain Association  
 Mr. John Parker - Vice President, Texas AgFinance  
 Mr. Jeffrey Stapper - County Extension Agent, San Patricio County and Aransas County

*Panel Participants*

Mr. Marvin Beyer, Jr.  
 Mr. Clarence Chopelas  
 Mr. Joel Hoskinson  
 Mr. Larry McNair  
 Mr. Mark Morris

Mr. Brad Bickham  
 Mr. Jimmy Dodson  
 Mr. Wayne Lambert  
 Mr. Andrew Miller  
 Mr. Darby Salge

**Texas - Eastern Caprock***Facilitators*

Mr. Clay Miller - Vice President, Ag Texas Farm Credit Services

*Panel Participants*

Mr. Lloyd Arthur  
 Mr. Edwin Moore

Mr. Brooks Ellison  
 Mr. Marvin Schoepf

**COTTON FARMS (CONTINUED)****Texas - Mid Coast***Facilitators*

Dr. Larry Falconer - Extension Economist - Management, Texas A&M University  
 Mr. Jeff Nunley - Executive Director, South Texas Cotton & Grain Association  
 Mr. Jimmy Roppolo - General Manager, Farmers Co-op of El Campo

*Panel Participants*

Mr. Jimmy Barosh	Mr. Keith Bram
Mr. Glenn Emshosf	Mr. Daniel Gavranovic
Mr. Rob Kainer	Mr. Cedric Popp
Mr. Michael Popp	

**Texas - Northern High Plains***Facilitators*

Dr. Steve Amosson - Extension Economist - Management, Texas A&M University  
 Mr. Tim Trimble - County Extension Agent, Moore County

*Panel Participants*

Mr. Kerry Cartrite	Mr. Brent Clark
Mr. Kelly Hays	Mr. Rick May
Mr. Tom Moore	Mr. Clyde Tims
Mr. David Tims	

**Texas - Panhandle***Facilitators*

Mr. Rick Auckerman - County Extension Agent, Deaf Smith County  
 Mr. Dave Peterson - Regional Vice President, First Ag Credit

*Panel Participants*

Mr. Michael Carlson	Mr. Roy Carlson
Mr. Greg Chavez	Mr. Steve Hoffman
Mr. Bob Meyer	Mr. Harold Sides

**Texas - Rio Grande Valley***Facilitators*

Mr. Reagan Florence - Exec. VP - Chief Lending Officer, Ag Credit of South Texas  
 Mr. Luis Ribera - District Economist, Texas Cooperative Extension  
 Mr. Terry Wolfe - Loan Officer, Ag Credit of South Texas

*Panel Participants*

Mr. Derrick Swanberg	Mr. Marshall Swanberg
Ms. Mitzi Swanberg-Anzaldua	Mr. Mark Willis

**Texas - Rolling Plains***Facilitators*

Mr. Todd Vineyard - County Extension Agent, Jones County

*Panel Participants*

Mr. Rex Ford	Mr. Dennis Olsen
Mr. Ronnie Richmond	Mr. Ronnie Riddle
Mr. Mike Sloan	Mr. Dale Spurgin
Mr. Ferdie Walker	

**COTTON FARMS (CONTINUED)****Texas - Southern High Plains***Facilitators*

Mr. Casey Barrett - County Extension Agent, Dawson County

Dr. Jackie Smith - Extension Economist - Management, Texas A&M University

*Panel Participants*

Mr. Steven Archer

Mr. Brad Boyd

Mr. Jerry Chapman

Mr. Terry Coleman

Mr. Mark Furlow

Mr. Johnny Ray Todd

Mr. Donald Vogler

## RICE FARMS

### Arkansas - East Central-Arkansas County

*Facilitators*

Mr. Bill Free - Riceland Foods, Inc.

*Panel Participants*

Mr. Derek Bohanan

Mr. Monty Bohanan

Mr. Jerry Burkett

Mr. Dusty Hoskyn

Mr. David Jessup

### Arkansas - East Central-Cross County

*Facilitators*

Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension

*Panel Participants*

Mr. Bryan Holmes, Jr.

Mr. Bryan Moery

Mr. Roger Pohlner

Mr. Steve Wilson

### Arkansas - Northeast-Lawrence County

*Facilitators*

Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension

*Panel Participants*

Mr. Greg Baltz

Mr. Kyle Baltz

Mr. Michael Curetor

Mr. Terry Gray

Mr. Marvin Hare, Jr.

Mr. Dwain Morris

### California - Butte County

*Facilitators*

Dr. Chris Greer - Farm Advisor, University of California

Dr. Cass Mutters - Farm Advisor, University of California

*Panel Participants*

Mr. Ken Anderson

Mr. Mike Boeger

Mr. Mike Bryant

Mr. Lee Carrico

Mr. Tom Coleman

Mr. Rod Rold

Mr. Steve Rystrom

Mr. George Sligar

Mr. Lance Tennis

### California - Colusa County

*Facilitators*

Dr. Chris Greer - Farm Advisor, University of California

Dr. Cass Mutters - Farm Advisor, University of California

*Panel Participants*

Mr. Don Bransford

Mr. Bob Freed

Mr. Francis Hickel

Mr. Leo LaGrande

Mr. Mike Lux

Mr. Charles Marsh

Mr. Joe Struckmeyer

Mr. Robert Sutton

**RICE FARMS (CONTINUED)****California - Sutter County***Facilitators*

Dr. Cass Muters - Farm Advisor, University of California

*Panel Participants*

Mr. Bill Baggett	Mr. Steve Butler
Mr. Jack DeWitt	Mr. Scott Leathers
Mr. Ned Lemenager	Mr. Paul Lowery
Mr. Walt Trevethan	Mr. Scott Tucker
Mr. Bob Van Dyke	Mr. Wayne Vineyard

**Louisiana - Northeast***Facilitators*

Dr. Gene Johnson - Professor, Agricultural Marketing, Louisiana State University

*Panel Participants*

Mr. Damian Bollich	Mr. Mark Brown
Mr. Marvin Colvin	Mr. Fred Franklin
Mr. Steve Henderson	Ms. Lindy Lingo
Mr. John Owen	Mr. Ed Patrick
Mr. Buford Perry	Mr. Morgan Smith

**Louisiana - Southwest-Acadiana***Facilitators*

Mr. Howard J. Cormier - County Extension Agent, Vermilion Parish  
 Mr. Eddie Eskew - County Extension Agent, Jeff Davis Parish  
 Dr. Gene Johnson - Professor, Agricultural Marketing, Louisiana State University  
 Mr. Ronnie Levy

*Panel Participants*

Mr. Tommy Faulk	Mr. Alden Horten
Mr. David Lacour	Mr. Jackie Loewer
Mr. Brian Wild	

**Missouri - Bootheel West***Facilitators*

Mr. Bruce Beck - Area Agronomy Specialist, University of Missouri

*Panel Participants*

Mr. Jim Bieller	Mr. Rodney Eaker
Mr. Rusty Eaker	Mr. John French
Mr. C.P. Johnson	Mr. Eric Patterson
Mr. Frank Smody	Mr. Brian Yarbrow

**Texas - Bay City-Matagorda County***Facilitators*

Mr. Brent Batchelor - County Extension Agent, Matagorda County

*Panel Participants*

Mr. Lee Bossley	Mr. Donnie Bulanek
Mr. Mike Burnside	Mr. Billy Mann
Mr. Curt Mowery	Mr. Joey Sliva
Mr. Paul Sliva	



**RICE FARMS (CONTINUED)****Texas - Eagle Lake-Colorado County***Panel Participants*

Mr. Andy Anderson  
Mr. Kenneth Danklefs  
Mr. Jason Hlavinka  
Mr. John Waligura

Mr. Steve Balas  
Mr. W.A. "Billy" Hefner, III  
Mr. Patrick Pavlu  
Mr. Brian Wiese

**Texas - El Campo-Wharton County***Panel Participants*

Mr. L.G. Raun  
Mr. Glen Rod

Mr. Layton Raun  
Mr. Robert Shoemate

## DAIRY FARMS

### California

#### *Facilitators*

Mrs Carol Collar - County Dairy Specialist, California Cooperative Extension  
Mr Carl Matz

#### *Panel Participants*

Mr Chuck Draxler	Mr James Netto
Mr Jeff Wilbur	Mr John Zonneveld

### Florida - North

#### *Facilitators*

Mr. Chris Vann - County Extension Agent, Lafayette County

#### *Panel Participants*

Mr. Morris Jackson	Mr. Dwayne Koon
Mr. Kevin Koon	Mr. Brian McAdams
Mr. Keith Shiver	

### Florida - South

#### *Facilitators*

Mr. Art Darling - Executive Director, Sunbelt Milk Producers

#### *Panel Participants*

Mr. Bob Butler	Mr. Woody Larson
Mr. Keith Rucks	Mr. Sutton Rucks, Jr.
Mr. Bob Rydzewski	

### Idaho

#### *Facilitators*

Dr. Mireille Chahine - Extension Dairy Specialist, Twin Falls R&E Center, Univ. of Idaho  
Dr. Joe Dalton - Extension Dairy Specialist, Caldwell Research and Extension Center  
Dr. Wilson Gray - Extension Agricultural Economist, Twin Falls R&E Center, Univ. of Idaho

#### *Panel Participants*

Mr. William Bokma	Mr. Harry Hogland
Mr. & Mrs. Martin Lee	Mr. Michael Quesnell
Mr. Mike Roth	Mr. Edwin Southfield
Mr. Donald Taber	Mr. & Mrs. Rick Thompson
Mr. John Wright	

### Missouri

#### *Facilitators*

Mr. Stacey Hamilton - Dairy Specialist and Dade County Program Director

#### *Panel Participants*

Mr. Daryl Davis	Mr. Herb Dighero
Mr. Steve Gallivan	Mr. Robert Hensley
Mr. Freddie Martin	Mr. John McArthur
Mr. Doug Owen	Mr. Wayne Whitehead

### New Mexico

#### *Facilitators*

Mr. Robert Hagevoort  
Ms. Sharon Lombardi - Executive Director, Dairy Producers of New Mexico

#### *Panel Participants*

Mr. Isaak Bos	Mr. Joe Gonzalez
Eric Palla	Mr. Wayne Palla

**DAIRY FARMS (CONTINUED)****New York - Central***Facilitators*

Dr. Wayne Knoblauch - Department of Agricultural Economics, Cornell University

*Panel Participants*

Mr. Chuck Benson	Mr. and Mrs. Robert Howland
Mr. Bill Kilcer	Mr. Mike Learn
Mr. and Mrs. Mike McMahon	Mr. Gary Mutschler
Mr. Kenton Patchen	Mr. Robert Space
Mr. Martin Young	

**New York - Western***Facilitators*

Mr. William Maddison - Agriculture Program Leader, Cornell Cooperative Extension

*Panel Participants*

Mr. Collin Broughton	Ms. Kitty Dziedzic
Mr. Walter Faryns	Mr. Bill Fitch
Mr. Tom Fitch	Mr. Todd Galton
Mr. John Noble	

**Texas - Central***Facilitators*

Dr. Tamilee Nennich - Assistant Professor and Extension Dairy Specialist

Mr. Robert Scott - County Extension Agent, Erath County

*Panel Participants*

Mr. Frans Buekeboom	Mr. Carson Lovoing
Mr. Leonard Moncrief	Ms. Leeann Moos
Mr. Jack Parks	Ms. Nova Schouten
Mr. Alan Vander Horst	

**Texas - Northeast***Facilitators*

Mr. G. H. Cain - Dairy Farmers of America

Mr. Larry Spradlin - County Agent, Texas Cooperative Extension

Mr. Ron Tosh - Field Supervisor, Dairy Farmers of America

*Panel Participants*

Mr. Alan Bullock	Mr. Rene Coumans
Mr. Okle Jongma	Mr. Jack Kempenaar
Mr. Luke Oosterloo	Mr. Douwe Plantinga
Mr. Alan Screws	Mr. Don Smith
Mr. Mark Sustaire	Mr. Adrie Vanderjagt
Mr. Piet Vanryn	Mr. Mike Webb

**Texas - South Plains***Facilitators*

Ms. Janet Claborn - Director of Economic Development

Mr. Curtis Preston

*Panel Participants*

Mr. Brian Boehning	Mr. Larry Hancock
Mr. David Lawrence	Mr. Mark Long
Mr. Reed Mulliken	Mr. Robert "Bob" Wade

**DAIRY FARMS (CONTINUED)****Vermont***Facilitators*

Dr. Bob Parsons - Asst. Professor-Farm Management, University of Vermont

*Panel Participants*

Mr. Paul Bourbeau

Mr. David Conant

Mr. Ashley Farr

Mr. Ted Foster

Mr. Kim Harvey

Mr. Steven Jones

Mrs Polly McEwing

Mr. Les Pike

Mr. & Mrs. Stanley Scribner

Mr. Onan Whitcomb

**Washington***Facilitators*

Mr. Craig MacConnell - Extension Faculty, Whatcom County

*Panel Participants*

Mr. Dick Bengen

Mr. Ron Bronsema

Mr. Rod De Jong

Mr. Larry DeHaan

Mr. Ed Pomeroy

Mr. Jeff Rainey

Mr. John Steensma

Mr. Peter Vlas

**Wisconsin***Facilitators*

Ms Christine Kniep - Family Living Educator/Department Head, Winnebago County

*Panel Participants*

Mr. Chris Bonlender

Mr. and Mrs. Douglas Hodorff

Mr. and Mrs. Charlie Knigge

Mr. Kevin Krentz

Mr. Joe Kuehl

Mr. Larry Pollack

Mr. Rob Stone

## BEEF PRODUCERS

### California

#### *Facilitators*

Mr. Larry Forero - Farm Advisor, Livestock and Natl. Res., California Cooperative Extension  
 Dr. Marc Horney - Certified Range Manager, California State University, Chico  
 Mr. Glenn Nader - Farm Advisor, Livestock and Natl. Res., California Cooperative Extension  
 Dr. Jim Oltjen - Cooperative Extension Scientist, UC-Davis Animal Science

#### *Panel Participants*

Mr. Dick O'Sullivan  
 Mr. Louis Venturini

Mr. Wally Roney

### Colorado

#### *Facilitators*

Mr. C.J. Mucklow - County Extension Agent, Routt County

#### *Panel Participants*

Mr. Doug Carlson  
 Mr. Kurt Frentress  
 Mr. Wayne Shoemaker

Mr. Jay Fetcher  
 Mr. Jim Rossi

### Florida

#### *Facilitators*

Mr. John Earman

#### *Panel Participants*

Mr. Mike Adams  
 Mr. Alan Kelley  
 Dr. Fred Tucker

Dr. Judy Lisle Bozeman  
 Mr. Bert Tucker  
 Mr. Wes Williamson

### Missouri - Central

#### *Facilitators*

Mr. Brent Carpenter - FAPRI, University of Missouri  
 Dr. Ted Cunningham - Livestock Specialist and Dent County Program Director  
 Mr. Peter Zimmel - FAPRI, University of Missouri

#### *Panel Participants*

Mr. George A. Barnitz  
 Mr. Paul Heithold

Mr. G. Douglas Black  
 Mr. Ken Lenox

### Missouri - Southwest

#### *Facilitators*

Mr. Brian Gillen - Agricultural Science Instructor, Lockwood High School

#### *Panel Participants*

Mr. Steve Allison  
 Mr. Randall Erisman  
 Mr. Gary D. Wolf

Mr. Chuck Daniel  
 Mr. James A. Nivens

### Montana

#### *Facilitators*

Mr. Kent Williams - County Extension Agent, Custer County

#### *Panel Participants*

Mr. Clarence Brown  
 Mr. Alyn Haughian  
 Mr. Scot Robinson

Mr. Art Drange  
 Mr. Jeff Okerman

**BEEF PRODUCERS (CONTINUED)****Nevada***Facilitators*

Dr. Kynda Curtis - Department of Resource Economics, University of Nevada  
 Dr. Tom Harris - Department of Resource Economics, University of Nevada  
 Mr. Willie Riggs - County Extension Agent, Eureka County  
 Dr. Ron Torell - Area Extension Specialist-Livestock, University of Nevada

*Panel Participants*

Mr. Harvey Barnes	Mr. and Mrs. Dani Dalton
Mr. and Mrs. Jay Dalton	Mr. and Mrs. Mitch & Rhonda Heguy
Mr. and Mrs. Sam Mori	Mr. and Mrs. Ed Sarman
Mr. and Mrs. Craig Spratling	

**New Mexico***Facilitators*

Dr. Nathan Elam - Superintendent, CLRC, New Mexico State University  
 Dr. Manny Encinias - Extension Beef Cattle Specialist, New Mexico State University  
 Mr. David Graham - County Extension Director, Union County  
 Dr. Allen Torell - Professor, NMSU Agricultural Economics

*Panel Participants*

Mr. Justin Bennett	Mr. Damon Brown
Mr. John Gilbert	Mr. Eugene Like
Mr. John Vincent	Mr. Derek Walker

**South Dakota***Facilitators*

Dr. Marty Beutler - Director, West River Agricultural Center, South Dakota State University  
 Dr. John Cole - Research Assistant, South Dakota State University  
 Ms. Stacy Hadrick - Extension Educator, South Dakota State University  
 Dr. Larry Janssen - Professor, South Dakota State University

*Panel Participants*

Mr. Lynn C. Frey	Mr. Leo E. Grubl
Mr. Wayne Oedekoven	Mr. Scott Phillips

**Texas - Blackland Prairie***Facilitators*

Mr. Donald Kelm - County Extension Agent, McLennan County  
 Mr. Steven Swaner, Jr. - County Extension Agent, Falls County

*Panel Participants*

Mr. Keith Drews	Mr. Harlan Huffman
Mr. Tommy Long	Mr. Billy Don Van Cleave

**Texas - Rolling Plains***Facilitators*

Mr. Gary Antilley - County Extension Agent, King County  
 Mr. Stan Bevers - Extension Economist - Management, Texas A&M University  
 Mr. Ryan Martin - County Extension Agent, Motley County  
 Mr. Jason Miller - County Extension Agent, Stonewall County  
 Mr. Toby Oliver - County Extension Agent, Dickens County

*Panel Participants*

Mr. Greg Arnold	Hon. Duane Daniel
Mr. Bill Masterson	Mr. Glenn Springer
Mr. Mark Whitman	

**BEEF PRODUCERS (CONTINUED)****Texas - South***Facilitators*

Mr. Dwight Sexton - County Extension Agent, Gonzales County

*Panel Participants*

Mr. Steve Breitschopf

Mr. Brian Fink

Mr. Michael Kuck

Mr. William L. Quinney

**Wyoming***Facilitators*

Mr. Jim Gill - Senior University Extension Educator, Washakie County

*Panel Participants*

Mr. Hugh Baird

Mr. Tim Flitner

Mr. Vance Lungren

Mr. Dan Rice

Mr. Gary Rice