Representative Farms Economic Outlook for the January 2021 FAPRI/AFPC Baseline

Working Paper 21-01
March 2021
EXECUTIVE SUMMARY

The Agricultural and Food Policy Center (AFPC) at Texas A&M University develops and maintains data to simulate 94 representative crop, dairy, and livestock operations in major production areas in 30 states. The chief purpose of this analysis is to project the economic viability of those farms by region and commodity for 2021 through 2026. The data necessary to simulate the economic activity of these operations are cultivated through ongoing cooperation with panels of agricultural producers in selected states. The Food and Agricultural Policy Research Institute (FAPRI) provides projected prices, policy variables, and input inflation rates in their January 2021 Baseline.

Under the January 2021 Baseline, 30 of the 64 crop farms are in good liquidity condition (less than a 25 percent chance of negative ending cash reserves by 2026). Seven crop farms have between a 25 percent and a 50 percent likelihood of negative ending cash reserves, and the remaining 27 crop farms have greater than a 50 percent chance of negative ending cash reserves. Additionally, 49 of the 64 crop farms are in a 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 six crop farms have greater than a 50 percent probability of decreasing real net worth by 2026. The following discussion provides an overall evaluation by commodity considering both liquidity and equity measures.

• FEEDGRAIN FARMS: Twelve of the 25 feedgrain farms are in good overall financial condition. Ten farms are classified in marginal condition, and three are in poor condition.

• WHEAT FARMS: Seven representative wheat farms are classified in good overall financial condition, two are in marginal condition, and two are in poor condition.

• COTTON FARMS: Eight of the 13 cotton farms are classified in good condition, two are in marginal condition, and three are in poor condition.

• RICE FARMS: Three of the 15 rice farms are projected to be in good financial condition. Five rice farms are projected to be in marginal condition; seven are in poor condition.

• DAIRY FARMS: Ten of the 20 dairies are in good overall financial condition. Four of the dairies are classified in marginal condition; six are in poor condition.

• BEEF CATTLE RANCHES: Five of the 10 cattle ranches are classified in good financial condition, four are projected to be in marginal condition, and one is in poor condition.
AFPC Working Paper 21-1

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Representative Farms Economic Outlook for the January 2021 FAPRI/AFPC Baseline

The farm-level economic impacts of the FAPRI January 2021 Baseline on representative crop and livestock operations are projected in this report, assuming provisions of the 2018 Farm Bill are in effect and continue throughout the 2021-2026 study period. This iteration of the FAPRI January 2021 Baseline includes impacts of the U.S.-China Phase 1 trade deal along with current assumptions associated with the COVID-19 pandemic on agricultural markets. The current representative farm analysis output reflects an evaluation of ARC/PLC program elections for the farms given provisions of the 2018 Farm Bill. Producers are currently assumed to enroll in the program resulting in the highest ending cash reserves at the end of the projection period; as farm update meetings are completed, adjustments will be made to program elections as needed. Full Market Facilitation Program (MFP) payments for 2018 and 2019 were included in this analysis along with Coronavirus Food Assistance Program (CFAP) payments for 2020 on eligible inventory and/or production. The analysis was conducted using whole farm simulation models developed by AFPC with necessary data sourced from:

- Producer panel cooperation to develop economic information to describe and simulate representative crop, livestock, and dairy farms, and
- Projected prices, policy variables, and input inflation rates from the Food and Agricultural Policy Research Institute (FAPRI) January 2021 Baseline Update.

The policy simulation model incorporates the historical risk faced by farmers for prices and production. This report presents the results of the January 2021 Baseline in a risk context using selected simulated probabilities and ranges for annual net cash farm income values. The probability of a farm experiencing negative ending cash reserves and the probability of a farm losing real net worth are included as indicators of the cash flow and equity risks facing farms through the year 2026.

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 2021 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 94 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. Often, 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 using the whole farm simulation model 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 five-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 analysis.
A majority of the farms used in the analysis have been updated through panel discussions in the last three years. All of the crop farms are assumed to begin 2018 with 20 percent intermediate-term and long-term debt. Initial debt levels in 2018 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 2018 are based on a stratified tabulation of the ERS-USDA Farm Cost and Returns Survey (using the survey data for moderate to large size farms in states where AFPC has representative farms) and panel member input.
Figure 1. Representative Farms and Ranches
Key Assumptions of Report

- 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 2021 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 (2018 - 2020) were held constant based on actual values obtained from the producers. Crop yields for 2021-2026 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 2018 and 2019. FAPRI’s January 2021 Baseline prices were localized for the farms and used as the average prices for 2020-2026 to simulate stochastic crop and livestock prices.

- Dairy and beef cattle herd sizes were held constant for all farms over the 2021-2026 planning horizon.

- All farms are subject to 4 payment limits on ARC, PLC, and Marketing Loan combined 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 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 FAPRI January 2021 Baseline which incorporates the provisions of the 2018 Farm Bill.

- Marketing loan provisions for covered commodities in the 2018 Farm Bill are assumed to be in place for the farm level analysis.

- Actual average loan deficiency payment (LDP) rates in the counties where the representative farms are located are used when applicable.

- The current representative farm analysis output reflects an evaluation of ARC/PLC program elections for the farms given provisions of the 2018 Farm Bill. Producers are currently assumed to enroll in the program resulting in the highest ending cash reserves at the end of the projection period; as farm update meetings are completed, adjustments will be made to program elections as needed.

- Dairies are assumed to enroll in Dairy Margin Coverage at the $9.50/cwt for Tier I and $5.00/cwt for Tier II. Tier II was limited to the minimum coverage needed to maximize Tier I production and minimize Tier II coverage expense.

- All crop farms are assumed to carry yield or revenue insurance at levels common to the area.

- Market Facilitation Program (MFP) payments were assumed on all farms and dairies that had eligible acres and/or production in 2018 and 2019.

- Coronavirus Food Assistance Program (CFAP) payments were assumed for all farms, ranches, and dairies for 2020 on eligible inventory and/or production.
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Source: Food and Agricultural Policy Research Institute (FAPRI) at the University of Missouri-Columbia.
Table 2. FAPRI January 2021 Baseline Projections of Livestock and Milk Prices, 2019-2026

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<td>Feeder Cattle ($/cwt)</td>
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Source: Food and Agricultural Policy Research Institute (FAPRI) at the University of Missouri-Columbia.
Table 3. FAPRI January 2021 Baseline Assumed Rates of Change in Input Prices, Annual Interest Rates, and Annual Changes in Land Values, 2020-2026

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<td>-1.03</td>
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<td>0.54</td>
<td>0.50</td>
</tr>
<tr>
<td>Herbicide Prices (%)</td>
<td>-1.85</td>
<td>3.80</td>
<td>1.96</td>
<td>1.51</td>
<td>1.62</td>
<td>1.58</td>
<td>1.67</td>
</tr>
<tr>
<td>Insecticide Prices (%)</td>
<td>-6.59</td>
<td>2.80</td>
<td>1.87</td>
<td>1.71</td>
<td>1.81</td>
<td>1.77</td>
<td>1.82</td>
</tr>
<tr>
<td>Fuel and Lube Prices (%)</td>
<td>-3.26</td>
<td>2.17</td>
<td>6.45</td>
<td>6.72</td>
<td>2.42</td>
<td>3.17</td>
<td>4.20</td>
</tr>
<tr>
<td>Machinery Prices (%)</td>
<td>-0.12</td>
<td>1.98</td>
<td>1.84</td>
<td>0.94</td>
<td>1.13</td>
<td>1.17</td>
<td>1.30</td>
</tr>
<tr>
<td>Wages (%)</td>
<td>1.48</td>
<td>2.62</td>
<td>3.31</td>
<td>3.42</td>
<td>3.22</td>
<td>3.20</td>
<td>3.30</td>
</tr>
<tr>
<td>Supplies (%)</td>
<td>1.49</td>
<td>1.63</td>
<td>1.42</td>
<td>1.43</td>
<td>1.39</td>
<td>1.57</td>
<td>1.62</td>
</tr>
<tr>
<td>Repairs (%)</td>
<td>1.29</td>
<td>2.57</td>
<td>2.35</td>
<td>2.39</td>
<td>2.29</td>
<td>2.42</td>
<td>2.50</td>
</tr>
<tr>
<td>Services (%)</td>
<td>-0.24</td>
<td>1.81</td>
<td>2.44</td>
<td>2.15</td>
<td>2.16</td>
<td>2.13</td>
<td>2.24</td>
</tr>
<tr>
<td>Taxes (%)</td>
<td>1.36</td>
<td>3.17</td>
<td>2.46</td>
<td>4.94</td>
<td>5.13</td>
<td>1.33</td>
<td>1.40</td>
</tr>
<tr>
<td>PPI Items (%)</td>
<td>-0.89</td>
<td>3.52</td>
<td>2.51</td>
<td>1.33</td>
<td>1.04</td>
<td>1.12</td>
<td>1.27</td>
</tr>
<tr>
<td>PPI Total (%)</td>
<td>-0.39</td>
<td>3.32</td>
<td>2.57</td>
<td>1.71</td>
<td>1.47</td>
<td>1.38</td>
<td>1.53</td>
</tr>
<tr>
<td><strong>Annual Change in Consumer Price Index (%)</strong></td>
<td>1.25</td>
<td>2.12</td>
<td>2.46</td>
<td>2.10</td>
<td>2.12</td>
<td>2.15</td>
<td>2.23</td>
</tr>
<tr>
<td><strong>Annual Rate of Change for U.S. Land Prices (%)</strong></td>
<td>0.00</td>
<td>5.15</td>
<td>5.10</td>
<td>-2.20</td>
<td>-1.92</td>
<td>-1.33</td>
<td>-1.20</td>
</tr>
</tbody>
</table>

Source: Food and Agricultural Policy Research Institute (FAPRI) at the University of Missouri-Columbia.
Projected crop prices for FAPRI’s January 2021 Baseline are summarized in Table 1. Most crop prices are projected to vary by a relatively small amount over the 2021-2026 period. Individual crop prices are projected to move as follows:

- Corn prices are projected to rise from a low of $3.56/bu in 2019 to a high of $4.22/bu in 2020, before falling to end 2026 at $3.78/bu.
- Wheat prices are projected to fall from a high of $5.09/bu in 2022-2023 before falling to $5.01/bu in 2026.
- Upland cotton lint prices are expected to rise from $0.5960/lb in 2019 and end 2026 at $0.6919/lb.
- The all rice price rises from a low of $12.61/cwt in 2021 ending 2026 at $13.60/cwt.
- Sorghum prices are projected to fall from $4.59/bu in 2020 to $3.82/bu in 2026.
- Prices for Soybeans are expected to peak at $11.15/bu in 2020 and then fall to $9.45/bu in 2026.

Assumed loan rates and reference prices are reported in Table 1 and reflect the rates authorized in the 2018 Farm Bill.

Projected livestock prices and state and national milk prices for FAPRI’s January 2021 Baseline are summarized in Table 2. Feeder cattle prices are projected to bottom in 2020 and increase thereafter, while milk prices are projected to rise from the low in 2021 to a peak in 2025. Specifically, cattle and milk prices are projected to move as follows:

- Feeder cattle prices are projected to fall from $153.65/cwt in 2019 to a low of $145.83/cwt in 2020 before increasing to $184.49/cwt in 2026.
- Fed cattle prices decline from 2019 to 2020 and bottom out at $108.46/cwt, and begin to increase thereafter, ending 2026 at $136.33/cwt.
- Culled cow prices rise from a low of $58.50/cwt in 2020 to a high of $71.82/cwt in 2026.
- The all milk price is expected to peak in 2019 at $18.63/cwt before falling to $17.50/cwt in 2021. From the low in 2021, the national milk price rises to $18.04/cwt in 2026.

Projected annual rates of change for variable cash expenses are summarized in Table 3. The rates of change in input prices come from FAPRI’s January 2021 Baseline. Fertilizer prices are projected to increase every year, except 2023, during the period. Fuel prices are projected to fall in 2020 before increasing from 2021 to 2026 with jumps over 5 percent in two of the six years. Projected annual rates of change in land values was provided by the FAPRI January 2021 Baseline and initially show strong growth, rising by more than 5 percent in 2021 and 2022. However, land values reverse course and exhibit a decline from 2023 to 2026.
Definitions of Variables in the Summary Tables

- **Overall Financial Position, 2021-2026** -- 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, 2021-2026** -- Annualized percentage change in the operator’s net worth from January 1, 2021 through December 31, 2026, 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.

- **Government Payments/Receipts, 2021-2026** -- Sum of all farm program payments (PLC or ARC and marketing loan gains/loan deficiency payments), recent disaster payments, and Dairy Margin Coverage (DMC) payments divided by total cash receipts.

- **Total Cash Receipts** -- Sum of annual cash receipts from all sources, including market sales, PLC or ARC payments, marketing loan gains/loan deficiency payments, DMC payments, MFP payments, CFAP payments, crop insurance indemnities, and other farm related receipts.

- **Government Payments** -- Sum of all farm program payments (PLC or ARC and marketing loan gains/loan deficiency payments), recent disaster payments, and DMC payments. 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** -- 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 2021-2026** -- The number of times out of 100 that real net worth at the end of 2026 is less than real net worth at the start of 2021.
Figure 2. Representative Farms Producing Feed Grains and Oilseeds
Table 4. Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Feed Grains and Oilseeds.

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>2021-2026 Ranking</th>
<th>Poor</th>
<th>Marginal</th>
<th>Good</th>
<th>Marginal</th>
<th>Good</th>
<th>Good</th>
<th>Marginal</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change Net Worth (%)</td>
<td>2021-2026 Average</td>
<td>-0.30</td>
<td>4.56</td>
<td>5.02</td>
<td>2.32</td>
<td>3.55</td>
<td>6.36</td>
<td>5.24</td>
<td>5.09</td>
</tr>
<tr>
<td>Govt Payments/Receipts (%)</td>
<td>2021-2026 Average</td>
<td>3.03</td>
<td>2.72</td>
<td>2.85</td>
<td>2.37</td>
<td>2.83</td>
<td>2.73</td>
<td>2.83</td>
<td>2.39</td>
</tr>
<tr>
<td>Cost to Receipts Ratio (%)</td>
<td>2021-2026 Average</td>
<td>99.62</td>
<td>92.97</td>
<td>93.35</td>
<td>105.67</td>
<td>87.70</td>
<td>89.38</td>
<td>72.30</td>
<td>85.47</td>
</tr>
<tr>
<td>Total Cash Receipts ($1000)</td>
<td>2021-2026 Average</td>
<td>1,218.87</td>
<td>2,819.13</td>
<td>2,672.48</td>
<td>4,559.28</td>
<td>1,580.17</td>
<td>4,925.88</td>
<td>799.91</td>
<td>2,738.78</td>
</tr>
<tr>
<td>Government Payments ($1000)</td>
<td>2021-2026 Average</td>
<td>95.45</td>
<td>216.63</td>
<td>197.38</td>
<td>315.90</td>
<td>128.90</td>
<td>385.68</td>
<td>59.80</td>
<td>181.10</td>
</tr>
<tr>
<td>Net Cash Farm Income ($1000)</td>
<td>2021-2026 Average</td>
<td>335.51</td>
<td>1,069.56</td>
<td>976.75</td>
<td>1,340.12</td>
<td>591.82</td>
<td>2,399.30</td>
<td>388.01</td>
<td>1,057.26</td>
</tr>
<tr>
<td>Ending Cash Reserves ($1000)</td>
<td>2021-2026 Average</td>
<td>224.60</td>
<td>328.90</td>
<td>512.15</td>
<td>-166.75</td>
<td>313.67</td>
<td>1,951.26</td>
<td>177.53</td>
<td>564.52</td>
</tr>
<tr>
<td>Nominal Net Worth ($1000)</td>
<td>2021-2026 Average</td>
<td>5,799.92</td>
<td>9,360.89</td>
<td>5,639.13</td>
<td>16,483.67</td>
<td>3,899.15</td>
<td>19,293.91</td>
<td>3,053.73</td>
<td>10,101.93</td>
</tr>
<tr>
<td>Prob. of Negative Ending Cash (%)</td>
<td>2021-2026</td>
<td>92</td>
<td>12</td>
<td>1</td>
<td>67</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Prob. of Decreasing Real Net Wor Over 2021-2026</td>
<td>48</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Table 5. Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Feed Grains and Oilseeds.

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>Good</th>
<th>Good</th>
<th>Marginal</th>
<th>Marginal</th>
<th>Marginal</th>
<th>Good</th>
<th>Poor</th>
<th>Good</th>
<th>Marginal</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-2025 Ranking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020-2025 Average</td>
<td>4.79</td>
<td>5.81</td>
<td>5.46</td>
<td>2.52</td>
<td>4.93</td>
<td>6.65</td>
<td>1.15</td>
<td>10.31</td>
<td>2.37</td>
<td>4.43</td>
</tr>
</tbody>
</table>

Govt Payments/Receipts (%)

| 2020-2025 Average          | 2.32 | 2.04 | 2.43     | 5.75     | 2.31     | 1.9  | 5.9  | 5.74 | 5.3       | 4.86 |

Cost to Receipts Ratio (%)

| 2020-2025 Average          | 70.61 | 67.93 | 71.24     | 103.19    | 2.37     | 5.74 | 5.3  | 4.86 |

Total Cash Receipts ($1000)

| 2020-2025 Average          | 1442.59 | 2610.28 | 1576.71     | 1898.42    | 1197.01  | 1497.99 | 3184.73   |

Government Payments ($1000)

| 2020-2025 Average          | 1442.59 | 2610.28 | 1576.71     | 1898.42    | 1197.01  | 1497.99 | 3184.73   |

Net Cash Farm Income ($1000)

| 2020-2025 Average          | 1442.59 | 2610.28 | 1576.71     | 1898.42    | 1197.01  | 1497.99 | 3184.73   |

Ending Cash Reserves ($1000)

| 2020-2025 Average          | 1442.59 | 2610.28 | 1576.71     | 1898.42    | 1197.01  | 1497.99 | 3184.73   |

Nominal Net Worth ($1000)

| 2020-2025 Average          | 1442.59 | 2610.28 | 1576.71     | 1898.42    | 1197.01  | 1497.99 | 3184.73   |

Prob. of Negative Ending Cash (%)

| 2020-2025 Average          | 1442.59 | 2610.28 | 1576.71     | 1898.42    | 1197.01  | 1497.99 | 3184.73   |

Prob. of Decreasing Real Net Worth

| 2020-2025 Average          | 1442.59 | 2610.28 | 1576.71     | 1898.42    | 1197.01  | 1497.99 | 3184.73   |
### Table 6. Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Feed Grains and Oilseeds.

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>TXNP3450</th>
<th>TXNP10880</th>
<th>TXPG2500</th>
<th>TXHG3000</th>
<th>TXWG1600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2020-2025 Ranking</strong></td>
<td>Good</td>
<td>Good</td>
<td>Marginal</td>
<td>Marginal</td>
<td>Poor</td>
</tr>
<tr>
<td><strong>Change Real Net Worth (%)</strong></td>
<td>6.99</td>
<td>6.78</td>
<td>4.64</td>
<td>1.92</td>
<td>0.27</td>
</tr>
<tr>
<td><strong>Govt Payments/Receipts (%)</strong></td>
<td>3.76</td>
<td>2.14</td>
<td>5.36</td>
<td>4.35</td>
<td>6.21</td>
</tr>
<tr>
<td><strong>Cost to Receipts Ratio (%)</strong></td>
<td>81.82</td>
<td>93.63</td>
<td>104.49</td>
<td>105.95</td>
<td>109.45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Overall Financial Position</strong></th>
<th>TXNP3450</th>
<th>TXNP10880</th>
<th>TXPG2500</th>
<th>TXHG3000</th>
<th>TXWG1600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2020-2025 Average</strong></td>
<td>730.74</td>
<td>589.60</td>
<td>601.29</td>
<td>603.74</td>
<td>599.27</td>
</tr>
<tr>
<td><strong>Government Payments ($1000)</strong></td>
<td>113.73</td>
<td>41.78</td>
<td>43.63</td>
<td>43.06</td>
<td>42.03</td>
</tr>
<tr>
<td><strong>Net Cash Farm Income ($1000)</strong></td>
<td>254.63</td>
<td>17.85</td>
<td>43.17</td>
<td>43.06</td>
<td>42.03</td>
</tr>
<tr>
<td><strong>Ending Cash Reserves ($1000)</strong></td>
<td>69.74</td>
<td>36.72</td>
<td>35.72</td>
<td>42.03</td>
<td>42.03</td>
</tr>
<tr>
<td><strong>Nominal Net Worth ($1000)</strong></td>
<td>1,545.26</td>
<td>1,603.44</td>
<td>1,538.49</td>
<td>1,465.71</td>
<td>1,386.07</td>
</tr>
</tbody>
</table>

| **Prob. of Negative Ending (%)** | 1        | 1        | 21       | 28       | 35       |
| **Prob. of Decreasing Real Net Worth (%) Over 2020-2025** | 1        | 1        | 1        | 15       | 31       |

<table>
<thead>
<tr>
<th><strong>Overall Financial Position</strong></th>
<th>TXNP3450</th>
<th>TXNP10880</th>
<th>TXPG2500</th>
<th>TXHG3000</th>
<th>TXWG1600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2020-2025 Average</strong></td>
<td>1,353.74</td>
<td>1,118.29</td>
<td>1,145.34</td>
<td>1,146.57</td>
<td>1,138.09</td>
</tr>
<tr>
<td><strong>Total Cash Receipts ($1000)</strong></td>
<td>8,518.54</td>
<td>6,572.19</td>
<td>6,795.68</td>
<td>6,834.74</td>
<td>6,807.27</td>
</tr>
<tr>
<td><strong>Government Payments ($1000)</strong></td>
<td>599.27</td>
<td>42.03</td>
<td>42.03</td>
<td>42.03</td>
<td>42.03</td>
</tr>
<tr>
<td><strong>Net Cash Farm Income ($1000)</strong></td>
<td>254.63</td>
<td>17.85</td>
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<td>1,465.71</td>
<td>1,386.07</td>
</tr>
</tbody>
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| **Prob. of Negative Ending (%)** | 1        | 1        | 21       | 28       | 35       |
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<thead>
<tr>
<th><strong>Overall Financial Position</strong></th>
<th>TXNP3450</th>
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<th>TXHG3000</th>
<th>TXWG1600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2020-2025 Average</strong></td>
<td>603.74</td>
<td>599.27</td>
<td>599.27</td>
<td>599.27</td>
<td>599.27</td>
</tr>
<tr>
<td><strong>Total Cash Receipts ($1000)</strong></td>
<td>8,518.54</td>
<td>6,572.19</td>
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<td>599.27</td>
<td>42.03</td>
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<td>42.03</td>
<td>42.03</td>
</tr>
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<td><strong>Nominal Net Worth ($1000)</strong></td>
<td>1,545.26</td>
<td>1,603.44</td>
<td>1,538.49</td>
<td>1,465.71</td>
<td>1,386.07</td>
</tr>
</tbody>
</table>

| **Prob. of Negative Ending (%)** | 1        | 1        | 21       | 28       | 35       |
| **Prob. of Decreasing Real Net Worth (%) Over 2020-2025** | 1        | 1        | 1        | 15       | 31       |
Figure 3. Feed Grain and Oilseed Farms

Economic and Financial Position Over the Period, 2021-2026, for all Feed Grain and Oilseed Farms

- Overall: 12 Good, 10 Marginal, 3 Poor
- Cash Flow Position: 12 Good, 6 Marginal, 7 Poor
- Maintain Wealth: 22 Good, 3 Marginal, 0 Poor
Figure 4. 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

NEG2400 Nebraska Grain Farm

NEG4500 Large Nebraska Grain Farm
Figure 5. 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**

### NDG3000  North Dakota Grain Farm

![Graph of NDG3000 North Dakota Grain Farm](image)

### NDG9000  Large North Dakota Grain Farm

![Graph of NDG9000 Large North Dakota Grain Farm](image)

### ING1000  Indiana Grain Farm

![Graph of ING1000 Indiana Grain Farm](image)

### ING3250  Large Indiana Grain Farm

![Graph of ING3250 Large Indiana Grain Farm](image)
Figure 6. 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

**OHG700 Ohio Grain Farm**

**OHG1500 Large Ohio Grain Farm**

**MOCG2300 Central Missouri Grain Farm**

**MOCG4200 Large Central Missouri Grain Farm**
Figure 7. 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

MONG2300  Northwest Missouri Grain Farm

LANG2500  Louisiana Grain Farm

TNG2500  Tennessee Grain Farm

TNG5000  Large Tennessee Grain Farm
Figure 8. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Feed Grain and Oilseed Farms

NCSP2000 North Carolina Southern Peanut Farm

NCC2030 North Carolina Grain Farm

SCC2000 South Carolina Grain Farm

SCG3500 Large South Carolina Grain Farm
Figure 9. 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

**TXNP3450 Texas North Plains Grain Farm**

**TXNP10880 Large Texas North Plains Grain Farm**

**TXPG2500 Texas Panhandle Grain Farm**
Figure 10. 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

TXHG3000  Texas North Blacklands Grain Farm

TXWG1600  Texas South Blacklands Grain Farm
Figure 11. Representative Farms Producing Wheat
### Table 7. Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Wheat

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>Good</th>
<th>Good</th>
<th>Poor</th>
<th>Marginal</th>
<th>Good</th>
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<th>Good</th>
<th>Good</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Change Real Net Worth (%)</td>
<td>6.35</td>
<td>5.99</td>
<td>-5.34</td>
<td>2.86</td>
<td>6.23</td>
<td>6.83</td>
<td>8.13</td>
<td>4.56</td>
<td>5.02</td>
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<tr>
<td>Govt Payments/Receipts (%)</td>
<td>9.69</td>
<td>7.33</td>
<td>9.14</td>
<td>9.28</td>
<td>11.14</td>
<td>2.91</td>
<td>3.15</td>
<td>4.82</td>
<td>3.34</td>
<td>5.41</td>
<td>5.25</td>
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<tr>
<td>Cost to Receipts Ratio (%)</td>
<td>82.44</td>
<td>92.94</td>
<td>112.17</td>
<td>87.28</td>
<td>76.81</td>
<td>75.52</td>
<td>79.30</td>
<td>89.52</td>
<td>90.26</td>
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<tr>
<td>Total Cash Receipts ($1000)</td>
<td>1,477.35</td>
<td>4,739.25</td>
<td>727.63</td>
<td>550.00</td>
<td>2,325.96</td>
<td>1,040.02</td>
<td>2,606.12</td>
<td>1,088.79</td>
<td>2,404.77</td>
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<td>999.90</td>
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<tr>
<td>Government Payments ($1000)</td>
<td>186.34</td>
<td>502.79</td>
<td>97.98</td>
<td>75.40</td>
<td>272.32</td>
<td>96.03</td>
<td>231.81</td>
<td>118.57</td>
<td>230.07</td>
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<tr>
<td>Net Cash Farm Income ($1000)</td>
<td>437.31</td>
<td>1,190.97</td>
<td>139.52</td>
<td>215.16</td>
<td>1,200.66</td>
<td>487.16</td>
<td>1,198.07</td>
<td>465.27</td>
<td>1,089.67</td>
<td>205.75</td>
<td>217.53</td>
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<tr>
<td>Ending Cash Reserves ($1000)</td>
<td>303.72</td>
<td>995.28</td>
<td>-188.62</td>
<td>44.79</td>
<td>682.96</td>
<td>365.13</td>
<td>1,079.63</td>
<td>182.20</td>
<td>613.04</td>
<td>11.06</td>
<td>-430.48</td>
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<tr>
<td>Nominal Net Worth ($1000)</td>
<td>2,864.00</td>
<td>9,596.75</td>
<td>1,847.24</td>
<td>1,592.01</td>
<td>7,532.53</td>
<td>2,546.48</td>
<td>5,699.08</td>
<td>3,773.73</td>
<td>7,281.91</td>
<td>3,734.49</td>
<td>5,433.82</td>
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<tr>
<td>Prob. of Negative Ending Cash (%)</td>
<td>5</td>
<td>6.90</td>
<td>67</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>8</td>
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<tr>
<td>Prob. of Decreasing Real Net Worth Over 2020-2025</td>
<td>1</td>
<td>1</td>
<td>86</td>
<td>12</td>
<td>1</td>
<td>1</td>
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<td>53</td>
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</tr>
</tbody>
</table>
Figure 12. Wheat Farms

Economic and Financial Position Over the Period, 2021-2026, for all Wheat Farms

- **Overall:** 7 farms are in Good condition, 2 in Marginal, and 2 in Poor.
- **Cash Flow Position:** 7 farms are in Good condition, 4 in Marginal, and 0 in Poor.
- **Maintain Wealth:** 9 farms are in Good condition, 0 in Marginal, and 2 in Poor.

Legend:
- Good
- Marginal
- Poor
Figure 13. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Wheat Farms
Figure 14. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Wheat Farms

**ORW4500 Oregon Wheat Farm**

![Graph showing net cash farm income for ORW4500 Oregon Wheat Farm with probabilities of cash flow deficit (1, 1, 1, 1, 1, 1, 1) from 2020 to 2026.]

**MTW8000 Montana Wheat Farm**

![Graph showing net cash farm income for MTW8000 Montana Wheat Farm with probabilities of cash flow deficit (1, 1, 1, 1, 1, 1, 1) from 2020 to 2026.]

**KSCW2000 Central Kansas Wheat Farm**

![Graph showing net cash farm income for KSCW2000 Central Kansas Wheat Farm with probabilities of cash flow deficit (1, 1, 1, 1, 1) from 2020 to 2026.]

**KSCW5300 Large Central Kansas Wheat Farm**

![Graph showing net cash farm income for KSCW5300 Large Central Kansas Wheat Farm with probabilities of cash flow deficit (1, 1, 1, 1, 1) from 2020 to 2026.]

- **Average NCFI**: Average Net Cash Farm Income
- **25 & 75 Percentile NCFI**: 25th and 75th Percentiles of Net Cash Farm Income
- **5 & 95 Percentile NCFI**: 5th and 95th Percentiles of Net Cash Farm Income
- **Prob. of Cash Flow Deficit**: Probability of experiencing a cash flow deficit
Figure 15. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:
Wheat Farms

KSNW4000  Northwest Kansas Wheat Farm

KSNW7000  Large Northwest Kansas Wheat Farm

COW3000  Colorado Wheat Farm

COW6000  Large Colorado Wheat Farm
Figure 16. Representative Farms Producing Cotton
Table 8. Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Cotton.

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>Marginal</th>
<th>Good</th>
<th>Poor</th>
<th>Poor</th>
<th>Marginal</th>
<th>Good</th>
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<tbody>
<tr>
<td>2020-2025 Ranking</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change Real Net Worth (%)</td>
<td>0.98</td>
<td>4.51</td>
<td>-6.79</td>
<td>0.59</td>
<td>1.11</td>
<td>6.21</td>
<td>6.08</td>
<td>7.68</td>
<td>11.31</td>
<td>6.09</td>
</tr>
</tbody>
</table>

| Govt Payments/Receipts (%)  | 4.90    | 6.94 | 5.50 | 3.84 | 3.86    | 3.86 | 3.86 | 3.86 | 3.86 | 3.86 |

| Cost to Receipts Ratio (%)  | 104.70  | 91.82| 105.62| 109.76| 106.20  | 98.55| 91.33| 87.43| 77.59| 88.32|

| Total Cash Receipts ($1000) | 2,614.98| 2,972.19| 845.05| 1,808.19| 2,601.52| 6,852.39| 4,425.81| 5,137.13| 2,464.00| 3,413.17|

| Government Payments ($1000) | 2,125.70| 2,303.03| 695.56| 1,484.68| 2,080.19| 5,390.99| 3,626.51| 4,418.71| 2,038.58| 2,796.92|

| Net Cash Farm Income ($1000) | 450.29  | 639.28 | 138.98| 239.42 | 444.14  | 1,011.84| 644.31  | 738.04 | 379.06 | 568.96 |

| Ending Cash Reserves ($1000) | 342.96  | 484.84 | 44.26 | 238.49 | 246.10  | 980.93  | 704.17  | 1,414.52| 638.09 | 681.15 |

| Nominal Net Worth ($1000)    | 284.39  | 455.05 | 30.32 | 203.60 | 219.95  | 913.62  | 688.77  | 1,338.43| 632.43 | 669.58 |

| Prob. of Negative Ending Cash (%) | 259.70  | 427.89 | 20.84 | 181.50 | 197.92  | 895.90  | 617.78  | 1,297.51| 630.36 | 667.31 |

| Prob. of Decreasing Real Net Worth | 243.64  | 432.54 | 12.70 | 165.87 | 176.50  | 845.41  | 606.26  | 1,277.33| 617.66 | 644.03 |

| Prob. of Decreasing Real Net Worth | 194.53  | 388.09 | 8.34 | 144.17 | 144.41  | 494.56  | 546.54  | 1,240.05| 594.41 | 632.61 |

| Prob. of Decreasing Real Net Worth | 168.48  | 350.71 | 28.25 | 123.29 | 138.61  | 781.42  | 535.54  | 1,241.65| 588.45 | 609.76 |

| Prob. of Decreasing Real Net Worth | 284.95  | 423.19 | 11.84 | 174.49 | 187.25  | 649.76  | 551.53  | 1,190.58| 551.53 | 560.74 |

| Prob. of Decreasing Real Net Worth | 406.22  | 832.16 | 207.84 | 397.62 | 452.49  | 1,916.99| 1,268.23| 1,834.74| 1,016.21| 1,055.91|

| Prob. of Decreasing Real Net Worth | 406.66  | 950.72 | 276.49 | 375.85 | 425.33  | 2,252.11| 1,523.03| 2,941.38| 1,308.66| 1,284.11|

| Prob. of Decreasing Real Net Worth | 370.67  | 1,055.53| 358.87| 240.54 | 373.99  | 2,511.79| 1,723.76| 2,748.47| 1,625.03| 1,603.96|

| Prob. of Decreasing Real Net Worth | 306.90  | 1,880.85| 453.55| 155.00 | 311.05  | 2,746.53| 1,917.45| 3,010.79| 1,844.02| 1,670.31|

| Prob. of Decreasing Real Net Worth | 190.01  | 1,319.35| 580.18| 36.36 | 226.46  | 2,983.96| 2,116.35| 3,361.39| 2,137.54| 1,784.23|

| Prob. of Decreasing Real Net Worth | 22.21   | 1,265.65| 865.68| 156.87 | 2,511.24| 2,249.29| 3,588.57| 2,344.31| 1,962.75|

| Prob. of Decreasing Real Net Worth | -182.44| 1,142.07| 1,036.41| 1,493.40| 8.86  | 3,439.23| 2,406.74| 4,101.78| 2,610.68| 2,126.08|

| Prob. of Decreasing Real Net Worth | 2,599.44| 4,027.48| 1,032.17| 2,074.77| 2,840.25| 8,516.74| 6,832.28| 10,621.34| 2,764.64| 5,550.32|

| Prob. of Decreasing Real Net Worth | 2,687.70| 4,256.96| 1,050.58| 2,185.52| 2,934.82| 9,175.83| 7,424.66| 11,613.41| 3,312.99| 7,083.35|

| Prob. of Decreasing Real Net Worth | 2,734.58| 4,460.55| 1,062.12| 2,190.92| 3,016.73| 9,784.58| 7,991.09| 12,557.26| 3,529.53| 7,615.48|

| Prob. of Decreasing Real Net Worth | 2,702.25| 4,518.04| 961.41| 2,113.86| 2,961.02| 10,093.77| 8,162.85| 13,017.60| 3,815.47| 7,805.11|

| Prob. of Decreasing Real Net Worth | 2,660.83| 4,591.50| 856.56| 2,068.47| 2,878.42| 10,348.90| 8,342.88| 13,551.16| 4,103.58| 7,944.21|

| Prob. of Decreasing Real Net Worth | 2,563.80| 4,641.73| 732.78| 1,957.12| 2,796.92| 10,580.37| 8,477.85| 14,045.10| 4,363.96| 8,122.17|

| Prob. of Decreasing Real Net Worth | 2,438.93| 4,652.66| 583.16| 1,899.94| 2,685.51| 10,836.30| 8,614.01| 14,675.10| 4,623.61| 8,271.17|

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>ALC3500</th>
<th>GAC2500</th>
<th>NCNP1600</th>
</tr>
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<tbody>
<tr>
<td>2020-2025 Ranking</td>
<td>Good</td>
<td>Good</td>
<td>Poor</td>
</tr>
</tbody>
</table>

| Change Real Net Worth (%)  | 2020-2025 Average | 10.18   | 5.43     | -0.06 |
| Govt Payments/Receipts (%) | 2020-2025 Average | 4.53    | 8.30     | 8.53  |
| Cost to Receipts Ratio (%) | 2020-2025 Average | 77.22   | 88.99    | 105.90 |

| Total Cash Receipts ($1000) | 2019 3,275.04 | 2020 2,778.37 | 2021 2,856.35 |
|                            | 2022 2,894.17 | 2023 2,900.79 | 2024 2,915.19 |
|                            | 2025 2,955.62 | 2020-2025 Average 2,883.42 |
| Government Payments ($1000) | 2019 434.79 | 2020 69.76    | 2021 115.89   |
|                            | 2022 148.53  | 2023 153.06   | 2024 147.61   |
|                            | 2025 142.35  | 2020-2025 Average 131.20 |
| Net Cash Farm Income ($1000) | 2019 1,480.89 | 2020 940.29  | 2021 974.69   |
|                             | 2022 989.59  | 2023 961.59   | 2024 946.14   |
|                             | 2025 965.48  | 2020-2025 Average 962.96 |
| Ending Cash Reserves ($1000) | 2019 1,500.10 | 2020 1,919.58 | 2021 2,368.19 |
|                             | 2022 2,866.95 | 2023 3,281.24 | 2024 3,699.62 |
|                             | 2025 4,071.99 | 2020-2025 Average 962.96 |
| Nominal Net Worth ($1000)   | 2019 5,161.45 | 2020 5,752.83 | 2021 6,368.43 |
|                             | 2022 6,859.31 | 2023 7,292.05 | 2024 7,735.94 |
|                             | 2025 8,182.19 | 2020-2025 Average 9,043.68 |
| Prob. of Negative Ending Cash (%) | 2020 1  | 2021 1  | 2022 1  |
|                             | 2023 1  | 2024 1  | 2025 1  |
| Prob. of Decreasing Real Net Worth Over 2020-2025 | 1  | 1  | 28 |
Figure 17. Cotton Farms

Economic and Financial Position Over the Period, 2021-2026, for all Cotton Farms
Figure 18. 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

TXSP4500 Large Texas Southern Plains Cotton Farm

TXEC5000 Texas Eastern Caprock Cotton Farm

TXRP3000 Texas Rolling Plains Cotton Farm
Figure 19. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Cotton Farms

- **TXMC2500** Texas Mid-Coast Cotton Farm
- **TXCB4000** Texas Coastal Bend Cotton Farm
- **TXCB10000** Large Texas Coastal Bend Cotton Farm
- **TXVC5500** Texas Rio Grande Valley Cotton Farm

Legend:
- **Average NCFI**
- **25 & 75 Percentile NCFI**
- **5 & 95 Percentile NCFI**
- **Prob. of Cash Flow Deficit**
Figure 20. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Cotton Farms

ARNC5000 Arkansas Cotton Farm

TNC3000 Tennessee Cotton Farm

TNC4050 Large Tennessee Cotton Farm

ALC3500 Alabama Cotton Farm
Figure 21. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Cotton Farms

GAC2500 Georgia Cotton Farm

NCNP1600 North Carolina Northern Peanut Farm
Figure 22. Representative Farms Producing Rice
Table 10. Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Rice.

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>2020-2025 Ranking</th>
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<th>Marginal</th>
<th>Marginal</th>
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<tr>
<td>Cost to Receipts Ratio (%)</td>
<td>2020-2025 Average</td>
<td>11.76</td>
<td>9.29</td>
<td>11.07</td>
<td>7.09</td>
<td>5.81</td>
<td>6.48</td>
<td>4.30</td>
<td>4.99</td>
<td>4.54</td>
<td>6.07</td>
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<tr>
<td>Total Cash Receipts ($1000)</td>
<td>2020-2025 Average</td>
<td>1,753.08</td>
<td>4,870.71</td>
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<td>1,452.02</td>
<td>5,965.33</td>
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<tr>
<td>Government Payments ($1000)</td>
<td>2020-2025 Average</td>
<td>178.04</td>
<td>500.00</td>
<td>150.49</td>
<td>123.20</td>
<td>31.14</td>
<td>60.00</td>
<td>43.68</td>
<td>126.75</td>
<td>42.47</td>
<td>633.79</td>
</tr>
<tr>
<td>Earning Cash Reserves ($1000)</td>
<td>2020-2025 Average</td>
<td>462.79</td>
<td>676.02</td>
<td>343.61</td>
<td>77.28</td>
<td>95.34</td>
<td>291.44</td>
<td>192.84</td>
<td>511.24</td>
<td>199.21</td>
<td>1,986.96</td>
</tr>
<tr>
<td>Nominal Net Worth ($1000)</td>
<td>2020-2025 Average</td>
<td>413.64</td>
<td>31.00</td>
<td>212.10</td>
<td>-161.77</td>
<td>-242.99</td>
<td>40.37</td>
<td>84.79</td>
<td>85.10</td>
<td>-11.19</td>
<td>1,117.21</td>
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<tr>
<td>Prob. of Decreasing Real Net Worth</td>
<td>2020-2025 Over</td>
<td>1</td>
<td>21</td>
<td>1</td>
<td>96</td>
<td>91</td>
<td>42</td>
<td>32</td>
<td>28</td>
<td>54</td>
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</tr>
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<table>
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<tr>
<th>Overall Financial Position</th>
<th>2020-2025 Ranking</th>
<th>Good</th>
<th>Marginal</th>
<th>Marginal</th>
<th>Poor</th>
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<th>Poor</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Change Real Net Worth (%)</td>
<td>2020-2025 Average</td>
<td>4.77</td>
<td>0.91</td>
<td>2.71</td>
<td>-2.20</td>
<td>-4.62</td>
<td>-3.23</td>
<td>-0.36</td>
<td>1.72</td>
<td>-1.31</td>
<td>6.07</td>
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<tr>
<td>Govt Payments/Receipts (%)</td>
<td>2020-2025 Average</td>
<td>11.76</td>
<td>9.29</td>
<td>11.07</td>
<td>7.09</td>
<td>5.81</td>
<td>6.48</td>
<td>4.30</td>
<td>4.99</td>
<td>4.54</td>
<td>6.07</td>
</tr>
<tr>
<td>Cost to Receipts Ratio (%)</td>
<td>2020-2025 Average</td>
<td>178.04</td>
<td>500.00</td>
<td>150.49</td>
<td>123.20</td>
<td>31.14</td>
<td>60.00</td>
<td>43.68</td>
<td>126.75</td>
<td>42.47</td>
<td>633.79</td>
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<tr>
<td>Government Payments ($1000)</td>
<td>2020-2025 Average</td>
<td>462.79</td>
<td>676.02</td>
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<td>95.34</td>
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<td>2020-2025 Average</td>
<td>413.64</td>
<td>31.00</td>
<td>212.10</td>
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Table 11. Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Rice.

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<td>Marginal</td>
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<td>246.61</td>
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Figure 23. Rice Farms

Economic and Financial Position Over the Period, 2021-2026, for all Rice Farms

Overall Cash Flow Position Maintain Wealth

Number of Farms

<table>
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<th>Overall</th>
<th>Cash Flow Position</th>
<th>Maintain Wealth</th>
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<td>Poor</td>
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<td>5</td>
<td>7</td>
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<td>4</td>
<td>3</td>
<td>3</td>
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</tbody>
</table>

Good | Marginal | Poor
Figure 24. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Rice Farms

CAR1200 California Rice Farm

CAR3000 Large California Rice Farm

CABR1000 California Rice Farm

CACR800 California Rice Farm
Figure 25. 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

**TXR1500  Texas Rice Farm**

**TXR3000  Large Texas Rice Farm**

**TXBR1800  Texas Bay City Rice Farm**

**TXER2500  Texas El Campo Rice Farm**
Figure 26. 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**

**LASR2000  Southwest Louisiana Rice Farm**

**ARMR6500  Southeast Arkansas Rice Farm**

**ARSR3240  Large East Central Arkansas Rice Farm**

**ARWR2500  East Central Arkansas Rice Farm**
Figure 27. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Rice Farms

ARHR4000 Northeast Arkansas Rice Farm

MSDR5000 Mississippi Delta Rice Farm

MOBR4000 Missouri Bootheal Rice Farm
Figure 28. Representative Farms Producing Milk
### Table 12: Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Milk.

<table>
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<th>Poor</th>
<th>Marginal</th>
<th>Good</th>
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<th>Good</th>
<th>Poor</th>
<th>Poor</th>
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<th>Good</th>
<th>Poor</th>
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<td>2020-2025 Average</td>
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<td>-1.75</td>
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<td>7.69</td>
<td>7.96</td>
<td>8.16</td>
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<td>6.07</td>
<td>5.96</td>
<td>-1.12</td>
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<tr>
<td><strong>Govt Payments/Receipts (%)</strong></td>
<td>2020-2025 Average</td>
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<td>1.36</td>
<td>1.16</td>
<td>1.45</td>
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<td><strong>Net Cash Farm Income ($1000)</strong></td>
<td>2020-2025 Average</td>
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<td>-61.02</td>
<td>375.77</td>
<td>1,256.65</td>
<td>814.15</td>
<td>2,278.17</td>
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<td>-45.84</td>
<td>350.52</td>
<td>1,216.38</td>
<td>-28.64</td>
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<td><strong>Ending Cash Reserves ($1000)</strong></td>
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<td>-61.02</td>
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<td>1,256.65</td>
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<td>350.52</td>
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<td>-28.64</td>
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<td>1,256.65</td>
<td>814.15</td>
<td>2,278.17</td>
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<td>350.52</td>
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<td>-28.64</td>
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<td><strong>Prob. of Negative Ending Cash (%)</strong></td>
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<td>1,256.65</td>
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<td>2022</td>
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### Government Payments ($1000)

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<th>Year</th>
<th>NYWD400</th>
<th>NYWD1200</th>
<th>NYCD180</th>
<th>NYCD800</th>
<th>VTD160</th>
<th>VTD400</th>
<th>MGD550</th>
<th>FLND550</th>
<th>FLD550</th>
<th>FLSD1750</th>
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<td>463.28</td>
<td>81.01</td>
<td>316.85</td>
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<td>163.85</td>
<td>89.11</td>
<td>188.24</td>
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<td>87.58</td>
<td>87.76</td>
<td>72.34</td>
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<td>84.76</td>
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<td>101.83</td>
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<td>103.54</td>
<td>71.54</td>
<td>98.71</td>
<td>50.68</td>
<td>92.98</td>
<td>73.63</td>
<td>80.02</td>
<td>79.67</td>
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</tr>
<tr>
<td>2024</td>
<td>91.42</td>
<td>107.30</td>
<td>71.54</td>
<td>98.71</td>
<td>50.68</td>
<td>92.98</td>
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### Nominal Net Worth ($1000)

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<th>NYCD180</th>
<th>NYCD800</th>
<th>VTD160</th>
<th>VTD400</th>
<th>MGD550</th>
<th>FLND550</th>
<th>FLD550</th>
<th>FLSD1750</th>
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<tbody>
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<td>14,173.56</td>
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<td>2,415.16</td>
<td>3,407.43</td>
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<td>2020</td>
<td>4,525.86</td>
<td>14,905.90</td>
<td>2,447.37</td>
<td>11,020.96</td>
<td>1,199.48</td>
<td>3,997.22</td>
<td>2,588.39</td>
<td>3,515.53</td>
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<td>2021</td>
<td>4,800.51</td>
<td>15,724.30</td>
<td>2,643.68</td>
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<td>1,168.51</td>
<td>3,926.56</td>
<td>2,777.33</td>
<td>3,642.01</td>
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<tr>
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<td>4,848.02</td>
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<td>2,782.71</td>
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<td>910.33</td>
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<td>2,983.21</td>
<td>3,525.91</td>
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### Prob. of Negative Ending Cash (%)

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<th>NYWD1200</th>
<th>NYCD180</th>
<th>NYCD800</th>
<th>VTD160</th>
<th>VTD400</th>
<th>MGD550</th>
<th>FLND550</th>
<th>FLD550</th>
<th>FLSD1750</th>
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<td>999</td>
<td>999</td>
<td>999</td>
<td>999</td>
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<td>10</td>
<td>10</td>
</tr>
<tr>
<td>2022</td>
<td>15</td>
<td>10</td>
<td>15</td>
<td>10</td>
<td>15</td>
<td>12</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>2023</td>
<td>15</td>
<td>10</td>
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<td>10</td>
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<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>
Figure 29. Dairy Farms

Economic and Financial Position Over the Period, 2021-2026, for all Dairy Farms

Overall

- 10 Good
- 6 Marginal
- 4 Poor

Cash Flow Position

- 10 Good
- 1 Marginal
- 9 Poor

Maintain Wealth

- 14 Good
- 0 Marginal
- 6 Poor
Figure 30. 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

**CAD2000  California Dairy Farm**

**NVD1000 Nevada Dairy Farm**

**WAD300   Washington Dairy Farm**

**WAD1200 Large Washington Dairy Farm**
Figure 31. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Dairy Farms

IDD1500  Idaho Dairy Farm

TXND3800  North Texas Dairy Farm

TXCD1500  Large Central Texas Dairy Farm

TXED400  East Texas Dairy Farm
Figure 32. Net Cash Farm Income and Probabilities of a Cash Flow Deficit:
Dairy Farms

NYWD400 Western New York Dairy Farm

NYWD1200 Large Western New York Dairy Farm

NYCD180 Central New York Dairy Farm

NYCD800 Large Central New York Dairy Farm
Figure 33. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Dairy Farms

WID180 Wisconsin Dairy Farm

WID1700 Large Wisconsin Dairy Farm

VTD160 Vermont Dairy Farm

VTD400 Large Vermont Dairy Farm
Figure 34. 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

MOGD550 Missouri Grazing Dairy Farm

OHD350 Ohio Dairy Farm

FLND550 Northern Florida Dairy Farm

FLSD1750 Southern Florida Dairy Farm
Figure 35. Representative Ranches Producing Beef Cattle
Table 14: Implications of the January 2021 FAPRI Baseline on the Economic Viability of Representative Farms Primarily Producing Beef Cattle.

<table>
<thead>
<tr>
<th>Overall Financial Position</th>
<th>2020-2025 Ranking</th>
<th>Marginal</th>
<th>Marginal</th>
<th>Good</th>
<th>Poor</th>
<th>Good</th>
<th>Marginal</th>
<th>Marginal</th>
<th>Good</th>
<th>Good</th>
<th>Good</th>
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</thead>
<tbody>
<tr>
<td><strong>Change Real Net Worth (%)</strong></td>
<td>2020-2025 Average</td>
<td>2.78</td>
<td>2.96</td>
<td>3.38</td>
<td>0.78</td>
<td>3.01</td>
<td>2.61</td>
<td>1.20</td>
<td>4.90</td>
<td>3.23</td>
<td>3.12</td>
</tr>
<tr>
<td><strong>Govt Payments/Receipts (%)</strong></td>
<td>2020-2025 Average</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>1.05</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Cost to Receipts Ratio (%)</strong></td>
<td>2020-2025 Average</td>
<td>2.78</td>
<td>2.96</td>
<td>3.38</td>
<td>0.78</td>
<td>3.01</td>
<td>2.61</td>
<td>1.20</td>
<td>4.90</td>
<td>3.23</td>
<td>3.12</td>
</tr>
</tbody>
</table>

| **Total Cash Receipts ($1000)** | 2019 | 614.37 | 493.32 | 587.36 | 491.47 | 385.78 | 203.15 | 636.21 | 506.78 | 450.31 | 358.52 |
|**Change Real Net Worth (%)** | 2020-2025 Average | 5.88 | 4.90 | 5.70 | 4.72 | 3.75 | 2.01 | 3.32 | 4.59 | 4.59 | 3.47 |
| **Government Payments ($1000)** | 2019 | 44.28 | 32.91 | 41.77 | 38.18 | 19.76 | 13.84 | 45.62 | 44.01 | 30.07 | 27.37 |
|**Change Real Net Worth (%)** | 2020-2025 Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Net Cash Farm Income ($1000)** | 2019 | 156.48 | 114.95 | 173.29 | 90.66 | 172.33 | 52.91 | 71.52 | 276.62 | 113.70 | 147.55 |
|**Change Real Net Worth (%)** | 2020-2025 Average | 91.65 | 77.89 | 135.29 | 34.14 | 148.03 | 44.18 | 4.65 | 212.33 | 111.27 | 127.27 |
| **Ending Cash Reserves ($1000)** | 2019 | 99.03 | 23.88 | 103.76 | -98.43 | 178.93 | -23.05 | -241.84 | 220.95 | 103.96 | 103.02 |
|**Change Real Net Worth (%)** | 2020-2025 Average | 17 | 51 | 4 | 99 | 7 | 99 | 99 | 1 | 1 | 1 |
| **Nominal Net Worth ($1000)** | 2019 | 10,924.86 | 3,155.28 | 7,993.36 | 2,237.97 | 14,621.22 | 5,740.75 | 7,466.74 | 3,295.89 | 8,209.46 | 5,642.81 |
|**Change Real Net Worth (%)** | 2020-2025 Average | 17 | 51 | 4 | 99 | 7 | 99 | 99 | 1 | 1 | 1 |
| **Prob. of Negative Ending Cash (%)** | 2020-2025 Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.88 | 0.00 | 0.00 |
| **Prob. of Decreasing Real Net Worth** | Over 2020-2025 | 1 | 1 | 33 | 1 | 1 | 3 | 1 | 1 | 1 | 1 |
Figure 36. Beef Cattle Ranches

Economic and Financial Position Over the Period, 2021-2026, for all Cattle Ranches

- **Overall**: 5 Good, 4 Marginal, 1 Poor
- **Cash Flow Position**: 5 Good, 5 Marginal, 0 Poor
- **Maintain Wealth**: 9 Good, 1 Marginal, 0 Poor

Legend:
- Green: Good
- Yellow: Marginal
- Red: Poor
Figure 37. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Beef Cattle Ranches

- **NVB650 Nevada Cattle Ranch**

- **NVSB550 Southern Nevada Cattle Ranch**

- **MTB600 Montana Cattle Ranch**

- **WYB475 Wyoming Cattle Ranch**
Figure 38. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Beef Cattle Ranches

COB275  Colorado Cattle Ranch

NMB210  New Mexico Cattle Ranch

SDB600  South Dakota Cattle Ranch
Figure 39. Net Cash Farm Income and Probabilities of a Cash Flow Deficit: Beef Cattle Ranches

**TXRB400 Rolling Plains Texas Cattle Ranch**

**TXSB300 South Texas Cattle Ranch**

**MOB250 Southwest Missouri Cattle Ranch**
APPENDIX A:
CHARACTERISTICS OF
REPRESENTATIVE FARMS
2020 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 880 acres of corn and 470 acres of soybeans annually. Sixty-four percent of this farm’s 2020 receipts come from corn production.

IAG3400
This 3,400-acre large-sized grain farm is located in northwestern Iowa (Webster County). It plants 2,210 acres of corn and 1,190 acres of soybeans each year, realizing 64 percent of receipts from corn production.

NEG2400
South-central Nebraska (Dawson County) is home to this 2,400-acre grain farm. This farm plants 1,600 acres to corn and 800 acres to soybeans. The farm splits its corn acres evenly between yellow and white food-grade corn. Sixty-seven percent of gross receipts are derived from corn sales.

NEG4500
This is a 4,500-acre grain farm located in south-central Nebraska (Dawson County). This operation plants 3,000 acres of corn and 1,000 acres of soybeans each year. Remaining acres are planted to alfalfa. A portion (25 percent) of the corn acreage is food-grade corn. In 2020, 67 percent of total receipts were generated from corn production.

NDG3000
NDG3000 is a 3,000-acre, moderate-sized, south central North Dakota (Barnes County) grain farm that plants 500 acres of wheat, 1,000 acres of corn, and 1,500 acres of soybeans. One hundred acres are enrolled in the Conservation Reserve Program. The farm generated 40 percent of 2020 receipts from soybean sales and 40 percent from corn sales.

NDG9000
This is an 9,000-acre, large-sized grain farm in south central North Dakota (Barnes County) that grows 4,500 acres of soybeans, 2,500 acres of corn, 1,250 acres of wheat, and 500 acres of barley annually. The remaining acreage is enrolled in the Conservation Reserve Program. Soybean and corn sales accounted for 75 percent of 2020 receipts.

ING1000
Shelby County, Indiana, is home to this 1,000-acre moderate-sized feedgrain farm. This farm annually plants 475 acres of corn, 525 acres of soybeans, and 50 acres of wheat that is double cropped with soybeans. Due to this farm’s proximity to Indianapolis, land development pressures will likely constrain further expansion of this operation. Forty-eight percent of 2020 receipts came from corn sales.

ING3250
ING3250 is a large-sized grain farm located in east central Indiana (Shelby County). This farm plants 1,625 acres to corn and 1,625 acres to soybeans each year. In 2020, 53 percent of gross receipts were generated by corn sales.

OHG700
This is a 700 acre, moderate sized grain farm in north western Ohio (Henry County). This farm planted 105 acres of corn and 280 acres of soybeans in 2020. Because of the wet spring there were 315 acres that were not planted and was taken as preventive planting insurance. Normally would be 350 acres each of corn and soybeans. Twenty-six percent of 2020 receipts were generated by corn sales.

OHG1500
This is a 1,500 acre, large-sized grain farm in north western Ohio (Henry County). This farm planted 202 acres of corn, 304 acres of soybeans, and 150 acres of wheat in 2020. Because of the wet spring there were 844 acres that were not planted and was taken as preventive planting insurance. Normally would be 675 acres each of corn and soybeans plus the 150 acres of wheat. Thirty-five percent of 2020 receipts were generated by corn sales.
### Appendix Table A1. Characteristics of Panel Farms Producing Feed Grains.

<table>
<thead>
<tr>
<th>County</th>
<th>IAG1350</th>
<th>IAG3400</th>
<th>NEG2400</th>
<th>NEG4500</th>
<th>NDG3000</th>
<th>NDG9000</th>
<th>ING1000</th>
<th>ING3250</th>
<th>OHG700</th>
<th>OHG1500</th>
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<td>2,400.00</td>
<td>4,500.00</td>
<td>3,000.00</td>
<td>9,000.00</td>
<td>1,000.00</td>
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<td>700.00</td>
<td>1,500.00</td>
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<td>600.00</td>
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<td>300.00</td>
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<td>375.00</td>
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<td>2,350.00</td>
<td>2,280.00</td>
<td>5,000.00</td>
<td>700.00</td>
<td>2,112.00</td>
<td>350.00</td>
<td>1,125.00</td>
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<td>Total Assets ($1000)</td>
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<td>6,358.00</td>
<td>19,186.00</td>
<td>4,267.00</td>
<td>21,430.00</td>
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<td>11,374.00</td>
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<td>3,011.00</td>
<td>15,114.00</td>
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<td>942.00</td>
<td>4,365.00</td>
<td>551.00</td>
<td>1,490.00</td>
<td>346.00</td>
<td>492.00</td>
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<tr>
<td>Other &amp; Livestock</td>
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<td>512.00</td>
<td>512.00</td>
<td>32.00</td>
<td>314.00</td>
<td>1,951.00</td>
<td>1,490.00</td>
<td>680.00</td>
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<td>Debt/Asset Ratios</td>
<td>0.23</td>
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<td>0.18</td>
<td>0.19</td>
<td>0.14</td>
<td>0.17</td>
<td>0.18</td>
<td>0.18</td>
<td>0.18</td>
<td>0.17</td>
</tr>
<tr>
<td>Total 2020 Gross Receipts ($1,000)*</td>
<td>1,218.90</td>
<td>2,819.10</td>
<td>2,672.50</td>
<td>4,559.30</td>
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<td>632.90</td>
<td>1,632.10</td>
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<td>0.00</td>
<td>167.50</td>
<td>510.40</td>
<td>22.00</td>
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<td>2.40</td>
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<tr>
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<td>701.00</td>
<td>786.30</td>
<td>612.00</td>
<td>2,060.70</td>
<td>318.30</td>
<td>1,050.40</td>
<td>182.60</td>
<td>191.50</td>
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<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>207.20</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
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<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Other 2020</td>
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<td>297.10</td>
<td>269.90</td>
<td>442.80</td>
<td>318.30</td>
<td>1,951.00</td>
<td>77.40</td>
<td>237.60</td>
<td>35.40</td>
<td>56.40</td>
</tr>
</tbody>
</table>

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*Receipts for 2020 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 2020 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.
2020 PANEL FARMS PRODUCING FEED GRAINS AND OILSEEDS

**MOCG2300**
MOCG2300 is a 2,300-acre grain farm located in central Missouri (Carroll County) and plants 1,150 acres of corn and 1,150 acres of soybeans annually. This farm is located in the Missouri River bottom, an area with a large concentration of livestock production. This farm generated 53 percent of its total revenue from corn and 39 percent from soybeans during 2020.

**MOCG4200**
This is a 4,200-acre central Missouri (Carroll County) grain farm with 2,310 acres of corn and 1,890 acres of soybeans. This farm is located in the Missouri River bottom, an area with a large concentration of livestock production. Corn sales accounted for 59 percent of farm receipts and soybeans accounted for 32 percent in 2020.

**MONG2300**
MONG2300 is a 2,300-acre diversified northwest Missouri grain farm centered in Nodaway County. MONG2300 plants 1,125 acres of corn, 1,125 acres of soybeans, and 50 acres of hay annually. The farm also has a 300-head cow-calf herd. Proximity to the Missouri River increases marketing options for area grain farmers due to easily accessible river grain terminals. In 2020, 46 percent of the farm's total receipts were from corn, 42 percent from soybeans, and 8 percent from cattle sales.

**LANG2500**
This is a 2,500-acre northeast Louisiana (Madison Parish) diversified grain farm. This farm harvests 500 acres of rice, 875 acres of soybeans, 375 acres of cotton, and 750 acres of corn. For 2020, 49 percent of farm receipts came from corn and soybean sales.

**TNG2500**
This is a 2,500-acre, moderate-sized grain farm in West Tennessee (Gibson County). Annually, this farm plants 1,025 acres of corn, 1,475 acres of soybeans, and 375 acres of wheat (planted before soybeans) in a region of Tennessee recognized for the high level of implementation of conservation practices by farmers. For 2020, 39 percent of farm receipts were from sales of corn and 43 percent from soybeans.

**TNG5000**
West Tennessee (Gibson County) is home to this 5,000-acre, large-sized grain farm. Farmers in this part of Tennessee are known for their early and continued adoption of conservation practices, including no-till farming. TNG5000 plants 2,500 acres of corn, 500 acres of wheat, 2,500 acres of soybeans (500 of which are double-cropped after wheat). The farm generated 50 percent of its 2020 gross receipts from sales of corn and 35 percent from soybeans.

**NCSP2000**
A 2,000-acre diversified farm located in southern North Carolina (Bladen County). NCSP2000 plants 400 acres of peanuts, 1,100 acres of corn, and 500 acres of soybeans. Fifty percent of receipts for this farm came from corn and soybean sales in 2020; thirty-one percent of receipts came from peanut sales.

**NCC2030**
This is a 2,000-acre grain farm located on the upper coastal plain of North Carolina (Wayne County). NCC2030 plants 400 acres of corn, 200 acres of wheat, and 1,000 acres of soybeans annually. Corn accounted for 23 percent of this farm’s 2020 receipts, while soybeans accounted for 35 percent.

**SCC2000**
SCC2000 is a moderate-sized, 2,000-acre grain farm in South Carolina (Orangeburg County) consisting of 800 acres of corn, 550 acres of cotton, 250 acres of peanuts, and 400 acres of soybeans. Thirty-nine percent of the farm’s receipts were from corn sales during 2020.

**SCG3500**
A 3,500-acre, large-sized South Carolina (Clarendon County) grain farm with 1,800 acres of corn, 750 acres of cotton, 600 acres of peanuts, and 350 acres of soybeans. The farm generated 46 percent of 2020 receipts from corn sales and 4 percent from soybean sales.
### Appendix Table A2. Characteristics of Panel Farms Producing Feed Grains.

<table>
<thead>
<tr>
<th>County</th>
<th>MOCG2300</th>
<th>MOCG4200</th>
<th>MONG2300</th>
<th>TNG2500</th>
<th>TNG5000</th>
<th>NCSP2000</th>
<th>NCC2030</th>
<th>SCC2000</th>
<th>SCG3500</th>
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<tr>
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<td>2,400.00</td>
<td>2,500.00</td>
<td>2,500.00</td>
<td>2,500.00</td>
<td>5,000.00</td>
<td>2,000.00</td>
<td>2,000.00</td>
<td>2,000.00</td>
</tr>
<tr>
<td>Acres Owned</td>
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<td>1,800.00</td>
<td>1,610.00</td>
<td>500.00</td>
<td>625.00</td>
<td>1,375.00</td>
<td>700.00</td>
<td>225.00</td>
<td>550.00</td>
</tr>
<tr>
<td>Acres Leased</td>
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<td>2,400.00</td>
<td>690.00</td>
<td>2,000.00</td>
<td>1,875.00</td>
<td>3,625.00</td>
<td>1,300.00</td>
<td>1,775.00</td>
<td>1,450.00</td>
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<tr>
<td>Assets ($1000)</td>
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<td>18,071.00</td>
<td>12,921.00</td>
<td>3,891.00</td>
<td>5,379.00</td>
<td>11,954.00</td>
<td>5,074.00</td>
<td>2,561.00</td>
<td>7,664.00</td>
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<tr>
<td>Debt/Asset Ratios</td>
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<td>0.16</td>
<td>0.16</td>
<td>0.19</td>
<td>0.19</td>
<td>0.15</td>
<td>0.26</td>
<td>0.15</td>
<td>0.16</td>
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<td>2020 Gross Receipts ($1,000)*</td>
<td>1,677.40</td>
<td>3,015.50</td>
<td>1,832.40</td>
<td>2,155.60</td>
<td>1,777.50</td>
<td>3,822.30</td>
<td>1,737.30</td>
<td>1,359.70</td>
<td>3,541.50</td>
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<tr>
<td>2020 Planted Acres**</td>
<td>2,300.00</td>
<td>4,200.00</td>
<td>2,750.00</td>
<td>2,500.00</td>
<td>2,875.00</td>
<td>5,500.00</td>
<td>2,000.00</td>
<td>1,600.00</td>
<td>2,000.00</td>
</tr>
</tbody>
</table>

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**Acreages for 2020 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.
2020 PANEL FARMS PRODUCING FEED GRAINS AND OILSEEDS

**TXNP3450**  
This is a 3,450-acre diversified grain farm located on the northern High Plains of Texas (Moore County). This farm plants 1,206 acres of cotton, 1,294 acres of irrigated corn, 260 acres of irrigated sorghum for seed production, and 432 acres of irrigated wheat annually. Forty-five percent of total receipts are generated from corn sales.

**TXNP10880**  
TXNP10880 is a large-sized diversified grain farm located in the Texas Panhandle (Moore County). This farm annually plants 4,454 acres of cotton (3,962 irrigated/492 dryland); 3,962 acres of irrigated corn; 1,272 acres of grain sorghum (530 irrigated for seed production/492 dryland/250 irrigated for commercial use); and 492 acres of dryland winter wheat. Thirty-nine percent of 2020 cash receipts were derived from corn sales.

**TXPG2500**  
The Texas Panhandle is home to this 2,500-acre farm (Deaf Smith County). Annually, wheat is planted on 534 acres (350 irrigated and 184 dryland), 1,000 acres planted to irrigated corn, 783 acres are planted to cotton (600 irrigated and 183 dryland), and grain sorghum is planted on 183 dryland acres. Fifty-three percent of 2020 cash receipts were generated by corn sales.

**TXHG3000**  
This 3,000-acre grain farm is located on the Blackland Prairie of Texas (Hill County). On this farm, 2,000 acres of corn, 500 acres of cotton, and 500 acres of wheat are planted annually. Grain sales accounted for 75 percent of 2020 receipts with cotton accounting for fourteen percent of sales. Forty beef cows live on 300 acres of improved pasture and contribute approximately two percent of total receipts.

**TXWG1600**  
This 1,600-acre farm is located on the Blackland Prairie of Texas (Williamson County). TXWG1600 plants 800 acres of corn, 300 acres of sorghum, 400 acres of cotton, and 100 acres of winter wheat annually. Additionally, this farm has a 40-head beef cow herd that is pastured on rented ground that cannot be farmed. Grain sales accounted for 57 percent of 2020 receipts with cotton accounting for 30 percent of sales.
<table>
<thead>
<tr>
<th>County</th>
<th>Moore</th>
<th>Moore</th>
<th>Deaf Smith</th>
<th>Hill</th>
<th>Williamson</th>
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<tr>
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<td>1,147.00</td>
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<td>195.00</td>
<td>82.00</td>
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<td>Debt/Asset Ratios</td>
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<td></td>
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</tr>
<tr>
<td>Total</td>
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<td>0.14</td>
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<td>0.20</td>
<td>0.18</td>
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<td>0.15</td>
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<td>0.18</td>
<td>0.17</td>
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<tr>
<td>2020 Gross Receipts ($1,000)*</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3,198.80</td>
<td>10,052.70</td>
<td>2,248.80</td>
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<td>730.70</td>
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<tr>
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<td>112.90</td>
<td>142.60</td>
<td>111.90</td>
<td>27.50</td>
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<tr>
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<td>3,902.00</td>
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<td>214.80</td>
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<td>123.80</td>
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<td>2020 Planted Acres**</td>
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<td></td>
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<td></td>
</tr>
<tr>
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<td>3,300.00</td>
<td>1,600.00</td>
</tr>
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<td>800.00</td>
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<td>500.00</td>
<td>100.00</td>
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<td>400.00</td>
</tr>
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<td>0.00</td>
<td>300.00</td>
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<td>0.00</td>
<td>0.00</td>
<td>300.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

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2020 CHARACTERISTICS OF PANEL FARMS PRODUCING WHEAT

WAW2800 This is a 2,800-acre moderate-sized grain farm in the Palouse of southeastern Washington (Whitman County). It plants 1,840 acres of wheat and 800 acres of dry peas. Disease concerns dictate rotating a minimum acreage of peas to maintain wheat yields. This farm generated 63 percent of 2020 receipts from wheat.

WAW10000 A 10,000-acre, large-sized grain farm in the Palouse of southeastern Washington (Whitman County). Annually, this farm allocates 5,800 acres to wheat and 2,700 acres to dry peas. Diseases that inhibit wheat yield dictate the rotation of a minimum acreage of peas. Wheat sales accounted for 60 percent of 2020 receipts.

WAW5500 South-central Washington (Adams County) is home to this 5,500-acre, large-sized wheat farm. Annually, this farm plants 2,600 acres of wheat in a wheat-fallow rotation. Additionally, 300 acres are enrolled in CRP. In 2020, 91 percent of the farm’s income came from wheat.

ORW4500 ORW4500 is a 4,500-acre large-sized grain farm located in northeastern Oregon (Morrow County). This farm plants 2,250 acres annually in a wheat-fallow rotation. Eighty-six percent of this farm’s 2020 total receipts came from wheat sales.

MTW8000 North-central Montana (Chouteau County) is home to this 9,500-acre farm on which 3,500 acres of wheat (1,920 acres of winter wheat, 1,344 acres of spring wheat, and 544 acres of Durham), 590 acres of barley, and 1200 acres of dry peas are planted each year. MTW8000 uses no-till production practices. In 2020, 50 percent of receipts came from wheat.

KSCW2000 South central Kansas (Sumner County) is home to this 2,000-acre, moderate-sized grain farm. KSCW2000 plants 800 acres of winter wheat, 1,100 acres of soybeans, 200 acres of cotton, and 500 acres of corn each year. For 2020, 18 percent of gross receipts came from wheat.

KSCW5300 A 5,300-acre, large-sized grain farm in south central Kansas (Sumner County) that plants 2,385 acres of winter wheat, 1,590 acres of corn, and 3,352 acres of soybeans. Twenty-one percent of this farm’s 2020 total receipts were generated from sales of winter wheat.

KSNW4000 This is a 4,000-acre, moderate-sized northwest Kansas (Thomas County) grain farm. This farm plants 1,200 acres of winter wheat (wheat-fallow rotation), 1,200 acres of corn, and 600 acres of sorghum. This farm generated 33 percent of 2020 receipts from wheat and 56 percent of its receipts from feed grains.

KSNW7000 KSNW7000 is a 7,000-acre, large-sized northwest Kansas (Thomas County) grain farm that annually plants 1,700 acres of winter wheat, 3,770 acres of corn, 700 acres of sorghum, and 130 acres of soybeans. The farm generated 15 percent of receipts from wheat and 78 percent from feed grains during 2020.

COW3000 A 3,000-acre northeast Colorado (Washington County), moderate-sized farm that plants 1,012 acres of winter wheat and 675 acres of corn each year. COW3000 has adopted minimum tillage practices on most of its acres. This farm generated 56 percent of its receipts from wheat and 36 percent from corn.

COW6000 A 6,000-acre, large-sized northeast Colorado (Washington County) wheat farm. It plants 2,000 acres of wheat, 1,000 acres of millet, and 1,000 acres of corn. During 2020, 50 percent of gross receipts came from wheat sales and 23 percent came from corn sales.

<table>
<thead>
<tr>
<th>County</th>
<th>2020 Gross Receipts ($1,000)*</th>
<th>Debt/Asset Ratios</th>
<th>2020 Planted Acres**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whitman</td>
<td>1,427.30 4,739.20 727.60 550.00 2,326.00 1,040.00 2,606.10 1,088.80 2,404.80 461.30 999.90</td>
<td>308.00 1,016.00 5.00 20.00 683.00 365.00 1,080.00 184.00 615.00 26.00</td>
<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
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<tr>
<td>Whitman</td>
<td>0.14 0.15 0.23 0.18 0.18 0.12 0.14 0.19 0.16 0.16 0.21</td>
<td>0.14 0.15 0.18 0.16 0.19 0.17 0.18 0.17 0.16 0.16 0.21</td>
<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
</tr>
<tr>
<td>Adams</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.22 0.28 0.36 0.58 0.34</td>
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<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
</tr>
<tr>
<td>Morrow</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.19 0.00 0.00 0.00</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
</tr>
<tr>
<td>Chouteau</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
</tr>
<tr>
<td>Sumner</td>
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<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
</tr>
<tr>
<td>Sumner</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
</tr>
<tr>
<td>Thomas</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
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</tr>
<tr>
<td>Washington</td>
<td>0.17 0.15 0.18 0.16 0.19 0.17 0.18 0.17 0.16 0.16 0.21</td>
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<td>2,640.00 8,700.00 2,900.00 2,250.00 5,305.00 2,600.00 7,327.00 3,000.00 6,300.00 1,987.50 4,000.00</td>
</tr>
</tbody>
</table>

*Receipts for 2020 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 2020 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.
2020 CHARACTERISTICS OF PANEL FARMS PRODUCING COTTON

TXSP4500 The Texas South Plains (Dawson County) is home to this 4,500-acre, large-sized cotton farm that grows 4,380 acres of cotton (2,880 dryland, 1,500 irrigated), and 120 irrigated acres of peanuts. Cotton sales comprised 76 percent of 2020 receipts.

TXEC5000 This 5,000-acre farm is located on the Eastern Caprock of the Texas South Plains (Crosby County). Annually, 4,700 acres are planted to cotton (2,230 irrigated and 2,470 dryland) and 300 acres to dryland wheat. In 2020, cotton sales accounted for 75 percent of gross receipts.

TXRP3000 TXRP3000 is a 3,000-acre cotton farm located in the Rolling Plains of Texas (Jones County). This farm plants 1,800 acres of cotton and 1,200 acres of winter wheat each year. The area is limited by rainfall, and the farm uses a conservative level of inputs. Sixty-five percent of 2020 farm receipts came from cotton sales. Fifty head of beef cows generated three percent of farm receipts.

TXMC2500 This 2,500-acre cotton farm is located on the Coastal Plain of southeast Texas (Wharton County). TXMC2500 farms 300 acres of sorghum, 1,455 acres of cotton, and 655 acres of corn. In 2020, cotton sales comprised 57 percent of total cash receipts on this operation.

TXCB4000 A 4,000-acre cotton farm located on the Texas Coastal Bend (San Patricio County) that farms 2000 acres of cotton, 1,600 acres of sorghum, and 400 acres of corn annually. Sixty percent of 2020 cash receipts were generated by cotton.

TXCB10000 Nueces County, Texas is home to this 10,000-acre farm. Annually, 5,000 acres are planted to cotton, 4,500 acres to sorghum, and 500 acres of corn. Cotton sales accounted for 63 percent of 2020 receipts.

TXVC5500 This 5,500-acre farm is located in the lower Rio Grande Valley of Texas (Willacy County) and plants 2,550 acres to cotton (425 irrigated and 2,125 acres dryland), 2,295 acres to sorghum (170 irrigated and 2,125 dryland), and 255 acres of corn. In 2020, 41 percent of TXVC5500's cash receipts were generated by cotton sales.

ARNC5000 This 5,000-acre farm is located in northern Arkansas (Mississippi County) and plants 2,500 acres to cotton, 500 acres to corn, 1,000 acres of soybeans, and 1,000 acres to peanuts. In 2020, 44 percent of ARNC5000's cash receipts were generated by cotton sales.

TNC3000 A 3,000-acre, moderate-sized West Tennessee (Fayette County) cotton farm. TNC3000 consists of 825 acres of cotton, 1,375 acres of soybeans, and 800 acres of corn. Cotton accounted for 32 percent of 2020 gross receipts, with corn and soybeans contributing 24 percent and 28 percent, respectively.

TNC4050 TNC4050 is a 4,050-acre, large-sized West Tennessee (Haywood County) cotton farm. This farm plants 1,500 acres of cotton, 1,950 acres of soybeans, 550 acres of corn, and 750 acres of wheat each year. During 2020, cotton sales generated 36 percent of gross receipts.
### Appendix Table A5. Characteristics of Panel Farms Producing Cotton.

<table>
<thead>
<tr>
<th>County</th>
<th>Dawson</th>
<th>Crosby</th>
<th>Jones</th>
<th>Wharton</th>
<th>San Patricio</th>
<th>Nueces</th>
<th>Willacy</th>
<th>Mississippi</th>
<th>Fayette</th>
<th>Haywood</th>
</tr>
</thead>
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<tr>
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<td>5,000.00</td>
<td>3,000.00</td>
<td>2,500.00</td>
<td>4,000.00</td>
<td>10,000.00</td>
<td>5,500.00</td>
<td>5,000.00</td>
<td>5,000.00</td>
<td>3,000.00</td>
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<tr>
<td>Acres Owned</td>
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<td>180.00</td>
<td>600.00</td>
<td>1,500.00</td>
<td>1,750.00</td>
<td>1,000.00</td>
<td>300.00</td>
<td>1,000.00</td>
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<td>3,400.00</td>
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<td>3,750.00</td>
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#### Debt/Asset Ratios

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<th>Long Run</th>
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#### 2020 Gross Receipts ($1,000)*

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<th>Corn</th>
<th>Wheat</th>
<th>Soybeans</th>
<th>Cotton</th>
<th>Grain Sorghum</th>
<th>Peanuts</th>
<th>Rice</th>
<th>Cattle</th>
<th>Other</th>
<th>2020 Planted Acres**</th>
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<td>0.00</td>
<td>672.00</td>
<td>3,000.00</td>
</tr>
</tbody>
</table>

*Receipts for 2020 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 2020 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.
2020 CHARACTERISTICS OF PANEL FARMS PRODUCING COTTON

**ALC3500**  A 3,500-acre cotton farm located in northern Alabama (Lawrence County) that plants 1,050 acres to cotton, 1,050 acres to corn, 1,400 acres of soybeans and 875 acres to wheat (double cropped with soybeans) annually. This farm was early to adopt no-till cropping practices. Cotton sales accounted for 27 percent of total farm receipts during 2020.

**GAC2500**  Southwest Georgia (Decatur County) is home to a 2,500-acre cotton farm that plants 1,250 acres to cotton, 800 acres to peanuts, and 450 acres to corn. In 2020, farm receipts were comprised of cotton sales (36 percent), corn (15 percent), and peanut sales (33 percent). The farm also runs a 125-head beef cow herd, generating 3 percent of 2020 receipts.

**NCNP1600**  A 1,600-acre diversified farm located in northern North Carolina (Edgecombe County). NCNP1600 plants 320 acres of peanuts, 240 acres of corn, 640 acres of cotton, and 400 acres of soybeans. Twenty-three percent of receipts for this farm came from peanut sales in 2020, 38 percent from cotton sales and 23 percent came from corn and soybean sales.
### Characteristics of Panel Farms Producing Cotton

<table>
<thead>
<tr>
<th>County</th>
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<th>GAC2500</th>
<th>NCNP1600</th>
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<td>1,600.00</td>
</tr>
<tr>
<td><strong>Acres Owned</strong></td>
<td>350.00</td>
<td>1,250.00</td>
<td>600.00</td>
</tr>
<tr>
<td><strong>Acres Leased</strong></td>
<td>3,150.00</td>
<td>0.00</td>
<td>1,000.00</td>
</tr>
<tr>
<td><strong>Assets ($1000)</strong></td>
<td>Total</td>
<td>6,151.00</td>
<td>10,841.00</td>
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<tr>
<td><strong>Real Estate</strong></td>
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<tr>
<td><strong>Machinery</strong></td>
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<td>1,500.00</td>
<td>1,261.00</td>
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<tr>
<td><strong>Other &amp; Livestock</strong></td>
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<td>926.00</td>
<td>2.00</td>
</tr>
<tr>
<td><strong>Debt/Asset Ratios</strong></td>
<td>Total</td>
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<td>0.17</td>
</tr>
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<td></td>
<td>Intermediate</td>
<td>0.27</td>
<td>0.21</td>
</tr>
<tr>
<td></td>
<td>Long Run</td>
<td>0.18</td>
<td>0.18</td>
</tr>
<tr>
<td><strong>2020 Gross Receipts ($1,000)</strong></td>
<td>Total</td>
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<tr>
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<td>Wheat</td>
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<td>Cotton</td>
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<td>Peanuts</td>
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<td></td>
<td>Cattle</td>
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<tr>
<td></td>
<td>Other</td>
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<td>450.00</td>
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<td>Wheat</td>
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<td>Pasture</td>
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</tbody>
</table>

*Receipts for 2020 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 2020 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.
2020 CHARACTERISTICS OF PANEL FARMS PRODUCING RICE

**CAR1200**  CAR1200 is a 1,200-acre moderate-sized rice farm in the Sacramento Valley of California (Sutter and Yuba Counties) that plants 1,200 acres of rice annually. This farm generated 98 percent of 2020 gross receipts from rice sales.

**CAR3000**  This is a 3,000-acre rice farm located in the Sacramento Valley of California (Sutter and Yuba Counties) that is large-sized for the region. CAR3000 plants 3,000 acres of rice annually. In 2020, all receipts were generated from rice sales.

**CABR1000**  The Sacramento Valley (Butte County) is home to CABR1000, a 1,000-acre rice farm. CABR1000 harvests 1,000 acres of rice annually, generating 98 percent of 2020 farm receipts from rice sales.

**CACR800**  CACR800 is an 800-acre rice farm located in the Sacramento Valley of California (Colusa County). This farm harvests 800 acres of rice each year. During 2020, 98 percent of farm receipts were realized from rice sales.

**TXR1500**  This 1,500-acre rice farm located west of Houston, Texas (Colorado County) is moderate-sized for the region. TXR1500 harvests 600 acres of rice. The farm generated 97 percent of its receipts from rice during 2020.

**TXR3000**  TXR3000 is a 3,000-acre, large-sized rice farm located west of Houston, Texas (Colorado County). This farm harvests 1,500 acres of rice annually. TXR3000 realized 97 percent of 2020 gross receipts from rice sales.

**TXBR1800**  The Texas Gulf Coast (Matagorda County) is home to this 1,800-acre rice farm. TXBR1800 generally plants a third of its acres to rice annually and fallows the remainder. The farm generated 98 percent of its receipts from rice during 2020.

**TXER2500**  This 2,500-acre rice farm is located in the Texas Gulf Coast (Wharton County). TXER2500 harvests 1,250 acres of rice each year. The farm also grows 1,250 acres of corn. Seventy-three percent of 2020 receipts came from rice sales.

**LASR2000**  A 2,000-acre southwest Louisiana (Acadia, Jeff Davis, and Vermilion parishes) rice farm, LASR2000 is moderate-sized for the area. This farm harvests 1,000 acres of rice and 200 acres of soybeans. During 2020, 58 percent of gross receipts were generated from rice sales.

**ARMR6500**  ARMR6500 is a 6,500-acre diversified rice farm in southeast Arkansas (Desha County) that plants 650 acres of rice, 3,900 acres of soybeans, and 1,950 acres of corn. For 2020, 10 percent of gross receipts came from rice sales, 27 percent from corn sales, and 50 percent from soybean sales.
Appendix Table A7. Characteristics of Panel Farms Producing Rice.

<table>
<thead>
<tr>
<th>County</th>
<th>Sutter</th>
<th>Sutter Butte</th>
<th>Colusa</th>
<th>Colorado</th>
<th>Colorado</th>
<th>Matagorda</th>
<th>Wharton</th>
<th>Acadia</th>
<th>Desha</th>
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<tr>
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<td>800.00</td>
<td>1,500.00</td>
<td>3,000.00</td>
<td>1,800.00</td>
<td>2,500.00</td>
<td>2,000.00</td>
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<tr>
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2020 Gross Receipts ($1,000)*

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<th>Rice</th>
<th>Other</th>
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2020 Planted Acres**

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<th>Corn</th>
<th>Soybeans</th>
<th>Rice</th>
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<tr>
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<td>0.00</td>
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<tr>
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</tr>
</tbody>
</table>

*Receipts for 2020 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 2020 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.
2020 CHARACTERISTICS OF PANEL FARMS PRODUCING RICE

**ARSR3240**  ARSR3240 is a 3,240-acre, large-sized Arkansas (Arkansas County) rice farm that harvests 1,458 acres of rice, 1,458 acres of soybeans, and 324 acres of corn each year. Fifty-five percent of this farm’s 2020 receipts came from rice sales.

**ARWR2500**  East central Arkansas (Cross County) is home to this 2,500-acre rice farm. Moderate-sized for the region, ARWR2500 annually plants 1,250 acres each to rice and soybeans. During 2020, rice sales generated 60 percent of gross receipts.

**ARHR4000**  ARHR4000 is a 4,000-acre large-sized northeast Arkansas (Lawrence County) rice farm that annually harvests 2,400 acres of rice, 1,400 acres of soybeans, and 200 acres of corn. Rice sales accounted for 73 percent of 2020 farm receipts.

**MSDR5000**  MSDR5000 is a 5,000-acre Mississippi Delta (Bolivar County) rice farm that annually harvests 1,667 acres of rice and 3,333 acres of soybeans. Rice sales accounted for 39 percent of 2020 farm receipts. Soybeans account for 54 percent of receipts.

**MOBR4000**  MOBR4000 is a 4,000-acre Missouri Bootheal (Pemiscot County) rice farm. The farm annually harvests 1,320 acres of rice, 1,800 acres of soybeans and 880 acres of corn. Rice sales accounted for 44 percent of farm receipts in 2020.
Appendix Table A8. Characteristics of Panel Farms Producing Rice.

<table>
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<th>County</th>
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<th>ARWR2500</th>
<th>ARHR4000</th>
<th>MSDR5000</th>
<th>MOBR4000</th>
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<td>Acres Leased</td>
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<td>3,000.00</td>
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<td>Machinery</td>
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<td>Other &amp; Livestock</td>
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<td>Intermediate</td>
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<td>Long Run</td>
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<td>0.13</td>
<td>0.18</td>
<td>0.17</td>
<td>0.18</td>
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2020 Gross Receipts ($1,000)*

<table>
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<th>County</th>
<th>ARSR3240</th>
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<td>Corn</td>
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<td>Wheat</td>
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<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Soybeans</td>
<td>785.90</td>
<td>650.40</td>
<td>619.80</td>
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<td>Other</td>
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2020 Planted Acres**

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<th>MOBR4000</th>
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<tbody>
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<td>4,000.00</td>
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<td>1,667.00</td>
<td>1,320.00</td>
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*Receipts for 2020 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 2020 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.
2020 CHARACTERISTICS OF PANEL FARMS PRODUCING MILK

**CAD2000** A 2,000-cow, large-sized central California (Tulare County) dairy, the farm plants 975 acres of hay/silage for which it employs custom harvesting. Milk sales generated 81 percent of 2020 total receipts.

**WAD300** A 300-cow, moderate-sized northern Washington (Whatcom County) dairy. This farm plants 250 acres of silage and generated 79 percent of its 2020 gross receipts from milk sales.

**WAD1200** A 1,200-cow, large-sized northern Washington (Whatcom County) dairy. This farm plants 850 acres for silage annually. During 2020, 80 percent of this farm's gross receipts came from milk.

**IDD1500** A 1,500-cow, large-sized dairy located in the Magic Valley of Idaho (Twin Falls County). This farm plants 550 acres of corn silage and 300 acres of hay annually. Milk sales account for 79 percent of 2020 gross receipts.

**NVD1000** A 1,000-cow, moderate-sized Nevada (Churchill County) dairy. This farm plants 475 acres of hay and 200 acres of corn silage annually. Milk sales accounted for 85 percent of NVD1000's gross receipts for 2020.

**TXND3800** A 3,800-cow, large-sized dairy located in the South Plains of Texas (Bailey County). This farm plants 1,920 acres of corn silage annually. Milk sales account for 83 percent of 2020 gross receipts.

**TXCD1500** A 1,500-cow, large-sized central Texas (Erath County) dairy, TXCD1500 plants 416 acres of silage and 500 acres of hay annually. During 2020, milk sales accounted for 84 percent of receipts.

**TXED400** A 400-cow, moderate-sized northeast Texas (Hopkins County) dairy. This farm has 200 acres of hay. During 2020, milk sales represented 77 percent of annual receipts.

**WID180** A 180-cow, moderate-sized eastern Wisconsin (Winnebago County) dairy, the farm plants 120 acres of silage, 50 acres for hay, 320 acres of corn, 100 acres of wheat, and 180 acres of soybeans. Milk constituted 64 percent of this farm's 2020 receipts.

**WID1700** A 1,700-cow, large-sized eastern Wisconsin (Winnebago County) dairy, the farm plants 850 acres of haylage, 1,000 acres of silage, 75 acres of soybeans, 150 acres of wheat, and 1,200 acres of corn. Milk sales comprised 80 percent of the farm’s 2020 receipts.

**OHD350** A 350-cow, moderate-sized central Ohio (Gonzalez County) dairy, the farm plants 575 acres of silage, 200 acres of corn, 50 acres of soybeans, and 50 acres of wheat. Milk sales comprised 73 percent of the farm’s 2020 receipts.
### Table A9. Characteristics of Panel Farms Producing Milk.

<table>
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<tr>
<th>County</th>
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<th>IDD1500</th>
<th>NVD1000</th>
<th>TXND3800</th>
<th>TXCD1500</th>
<th>TXED400</th>
<th>WID180</th>
<th>WID1700</th>
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<td>2020 Gross Receipts ($1,000)*</td>
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<td>987.80</td>
<td>9,064.40</td>
<td>1,518.50</td>
</tr>
</tbody>
</table>

**Receipts for 2020 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 2020 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.**
2020 CHARACTERISTICS OF PANEL FARMS PRODUCING MILK (continued)

NYWD400  A 400-cow, moderate-sized western New York (Wyoming County) dairy. This farm plants 50 acres of corn, 750 acres of silage, and double crops 425 acres of haylage annually. Milk sales accounted for 84 percent of the gross receipts for this farm in 2020.

NYWD1200 A 1,200-cow, large-sized western New York (Wyoming County) dairy. This farm plants 1,900 acres of silage and 900 acres of corn annually. Milk sales accounted for 85 percent of the gross receipts for this farm in 2020.

NYCD180  A 180-cow, moderate-sized central New York (Cayuga County) dairy. This farm plants 200 acres of corn, and 350 acres of silage annually. Milk sales accounted for 70 percent of the gross receipts for this farm in 2020.

NYCD800  A 800-cow, large-sized central New York (Cayuga County) dairy. This farm plants 950 acres of silage and 850 acres of hay annually. Milk sales accounted for 78 percent of the gross receipts for this farm in 2020.

VTD160   A 160-cow, moderate-sized Vermont (Washington County) dairy. VTD160 plants 160 acres of hay and 260 acres of silage annually. Milk accounted for 79 percent of the 2020 receipts for this farm.

VTD400   A 400-cow, large-sized Vermont (Washington County) dairy. This farm plants 75 acres of hay and 600 acres of silage annually. Milk sales represent 71 percent of VTD400’s gross receipts in 2020.

MOGD550  A 550-cow, grazing dairy in southwest Missouri (Dade County), the farm grazes cows on 300 acres of improved pasture cut for hay. The dairy uses minimal inputs with 9,000 lbs of milk per cow. Milk accounted for 58 percent of gross farm receipts for 2020.

FLND550  A 550-cow, moderate-sized north Florida (Lafayette County) dairy. The dairy grows 130 acres of hay and 200 acres of silage each year. All other feed requirements are purchased in a pre-mixed ration. Milk sales accounted for 76 percent of the 2020 farm receipts.

FLSD1750 A 1,750-cow, large-sized south-central Florida (Okeechobee County) dairy, FLSD1750 plants 300 acres of hay. Milk sales represent 84 percent of 2020 total receipts.
### Appendix Table A10. Characteristics of Panel Farms Producing Milk.

<table>
<thead>
<tr>
<th></th>
<th>NYWD400</th>
<th>NYWD1200</th>
<th>NYCD180</th>
<th>NYCD800</th>
<th>VTD160</th>
<th>VTD400</th>
<th>MOGD550</th>
<th>FLND550</th>
<th>FLSD1750</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Cropland</td>
<td>800.00</td>
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<td>1,800.00</td>
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<td>1,000.00</td>
<td>460.00</td>
<td>600.00</td>
<td>400.00</td>
</tr>
<tr>
<td>Acres Owned</td>
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<td>2,162.00</td>
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<td>9,270.00</td>
<td>4,275.00</td>
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<td>1,984.00</td>
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<td>707.00</td>
<td>1,397.00</td>
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<td>0.21</td>
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<td>0.18</td>
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<td>Long Run</td>
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<td>0.26</td>
<td>0.26</td>
<td>0.27</td>
<td>0.26</td>
<td>0.26</td>
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</table>

#### 2020 Gross Receipts ($1,000)*

|                   |         |          |         |         |        |        |         |         |          |
| Total             | 2,283.90| 6,919.60 | 1,172.40| 4,646.50| 845.90 | 2,616.90| 1,616.10| 3,258.90| 9,405.10 |
| Corn              | 6.50    | 14.20    | 40.60   | 55.20   | 4.10   | 117.30  | 0.00    | 30.90   | 0.00     |
| Hay               | 0.00    | 0.00     | 36.20   | 20.90   | 1.50   | 7.00    | 62.50   | 7.20    | 20.80    |
| Cattle            | 68.70   | 220.20   | 50.90   | 170.40  | 48.00  | 128.00  | 88.90   | 184.00  | 450.60   |
| Other             | 301.60  | 793.90   | 227.10  | 797.60  | 127.30 | 510.50  | 533.90  | 551.10  | 1,068.00 |
| Milk              | 1,907.00| 5,891.40 | 817.60  | 3,602.40| 664.90 | 1,854.10| 930.80  | 2,485.70| 7,865.70 |

#### 2020 Planted Acres**

|                   |         |          |         |         |        |        |         |         |          |
| Total             | 800.00  | 2,100.00 | 400.00  | 1,800.00| 260.00 | 675.00  | 300.00  | 330.00  | 300.00   |
| Corn              | 375.00  | 900.00   | 200.00  | 950.00  | 100.00 | 600.00  | 0.00    | 200.00  | 0.00     |
| Hay               | 425.00  | 1,200.00 | 200.00  | 850.00  | 160.00 | 75.00   | 300.00  | 130.00  | 300.00   |

*Receipts for 2020 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 2020 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.
2020 CHARACTERISTICS OF PANEL RANCHES PRODUCING BEEF CATTLE

NVB650
NVB650 is a 650-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 3,560 AUMs of public land. Each year, the ranch harvests 975 acres of hay. Annually, cattle sales represent 78 percent of the ranch’s receipts.

NVSB550
NVSB550 is a 550-cow ranch located in southeastern Nevada (Lincoln County). The operation consists of 125 acres of owned hay meadow and 375 acres of owned range, supplemented by 7,600 AUMs of public land. Annually, cattle sales represent 77 percent of the ranch’s receipts.

MTB600
A 600-cow ranch located on the eastern plains of Montana (Custer County), MTB600 runs cows on a combination of owned land and land leased from federal, state, and private sources. The ranch owns 14,000 acres of pasture. 800 acres of hay are produced annually. Also, all deeded acres are leased for hunting. Cattle sales represented 71 percent of this ranch’s 2020 receipts.

WYB475
This 475-cow ranch is located in north central Wyoming (Washakie County). The ranch leases 2750 AUMs from the U.S. Forest Service and owns 1,500 acres of range. Annually, the ranch harvests 315 acres of alfalfa and grass hay on owned ground. In 2020, cattle sales accounted for 78 percent of gross receipts.

COB275
This 275-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. Cattle sales accounted for 51 percent of the ranch’s 2020 total receipts.

NMB210
NMB210 is a 210-cow ranch located in northeastern New Mexico (Union County). During 2020, 82 percent of gross receipts were derived from cattle sales with the balance of receipts generated from fee hunting.

SDB600
SDB600 is a 600-cow West River (Meade County, South Dakota) beef cattle ranch. This operation produces hay on 1,000 acres of owned cropland, and runs its cows on 6,500 acres of owned native range. In 2020, cattle sales accounted for 83 percent of gross receipts.

MOB250
A 250-cow beef cattle operation is the focal point of this diversified livestock and crop farm located in southwest Missouri (Dade County). MOB250 plants 160 acres of corn, 160 acres of wheat, and 200 acres of soybeans. Improved pasture makes up another 570 acres of this ranch. During 2020, cattle sales comprised 38 percent of gross receipts.

TXRB400
The western Rolling Plains of Texas (King County) is home to this 400-head cow-calf operation. This ranch operates on 20,000 acres (half owned, half leased) of native range. Seventy-one percent of 2020 receipts came from cattle sales, while 29 percent came from fee hunting.

TXSB300
A 300-head cow-calf operation is the central focus of this full-time agricultural operation in south central Texas (Gonzales County). Contract broiler production and hunting income are vital to the ranch’s viability. Cattle sales accounted for 74 percent of 2020 gross receipts.

OTHERS
Five other representative farms have beef cattle operations along with their crop production (MONG2300, TXHG2700, TXWG1600, TXRP2500, and GAC2300). These farming operations have from 40 to 300 cows. Cattle contributed approximately 10 percent of gross receipts for these farms in 2020.
### Appendix Table A11. Characteristics of Panel Farms Producing Beef Cattle.

<table>
<thead>
<tr>
<th>County</th>
<th>Elko</th>
<th>Lincoln</th>
<th>Custer</th>
<th>Washakie</th>
<th>Routt</th>
<th>Union</th>
<th>Meade</th>
<th>Dade</th>
<th>King</th>
<th>Gonzales</th>
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<tbody>
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<td>Total Cropland</td>
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<td>125.00</td>
<td>900.00</td>
<td>330.00</td>
<td>650.00</td>
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<td>1,000.00</td>
<td>360.00</td>
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<td>100.00</td>
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<td>900.00</td>
<td>330.00</td>
<td>450.00</td>
<td>0.00</td>
<td>1,000.00</td>
<td>215.00</td>
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<td>0.00</td>
<td>0.00</td>
<td>200.00</td>
<td>0.00</td>
<td>0.00</td>
<td>145.00</td>
<td>0.00</td>
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<td>Assets ($1000)</td>
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<td>3,265.00</td>
<td>8,133.00</td>
<td>2,410.00</td>
<td>5,835.00</td>
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<td>0.07</td>
<td>0.01</td>
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<td>0.03</td>
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<td>587.40</td>
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<td>0.00</td>
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<td>0.00</td>
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<td>315.00</td>
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<td>800.00</td>
<td>520.00</td>
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*Receipts for 2020 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 2020 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. Gary Everhart  
Mr. Jason & Dan Foltz  
Mr. Darrell Linville  
Mr. Ken Simpson  
Mr. Doug Theobald  
Mr. Kevin Carson  
Mr. Andy Fix  
Ms. Carmen Hawk  
Mr. Gary Robards  
Ms. Angie Steinbarger  
Mr. Jeremy Weaver

Iowa
Facilitators
Mr. Jerry Chizek - County Extension Director, Webster County
Panel Participants
Mr. Doug Adams  
Mr. Dean Black  
Mr. A.J. Blair  
Mr. Tyler Lane  
Mr. Steve Peterson  
Mr. Jason Stanek  
Mr. Kent Wuebker  
Mr. Brad Black  
Mr. Perry Black  
Mr. Gregg Hora  
Mr. Jay Lynch  
Mr. Doug Stanek  
Mr. Brent Wells  
Mr. Loren Wuebker

Missouri - Central
Facilitators
Mr. Parman Green
Panel Participants
Mr. Joe Brockmeier  
Mr. Kevin Casner  
Mr. Kyle Durham  
Mr. Todd Gibson  
Mr. Jack Harriman  
Mr. Mike Hisle  
Mr. Glenn Kaiser  
Mr. David Kipping  
Mr. Craig Linneman  
Mr. James Wheeler  
Mr. Michael Brockmeier  
Mr. Mark Casner  
Mr. Dennis Germann  
Mr. Dale Griffith  
Mr. Todd Hensiek  
Mr. Preston Hisle  
Mr. Marc Kaiser  
Mr. Robert Kipping  
Mr. Mike Ritchhart

Missouri - Northwest
Facilitators
Mr. Peter Zimmel - FAPRI, University of Missouri
Panel Participants
Mr. Terry Ecker  
Mr. Russell Miller  
Mr. Nick Rosenbohm  
Mr. Curtis Lewis  
Mr. Matt Rosenbohm  
Mr. Andrew Stoll
NEBRASKA - CENTRAL

Facilitators
Ms. Sarah Sivits
Mr. Bruce Treffer - Extension Educator, Dawson County

Panel Participants
Mr. Jim Aden
Mr. Bart Beattie
Mr. Pat Luther
Mr. Clark McPheeters
Mr. Cody Peden
Mr. Dave Rowe
Mr. Dan Strauss
Mr. Rob Anderson
Mr. Greg Hueftle
Mr. Tim Maline
Mr. Scott McPheeters
Mr. Rod Reynolds
Mr. Paul Stieb

NORTH DAKOTA

Facilitators
Mr. Randy Grueneich - County Extension Agent, North Dakota State University
Dr. Bryon Parman - Extension Associate-Farm Management, North Dakota State University

Panel Participants
Mr. John Robert Anderson
Mr. Jim Broten
Mr. Mike Clemens
Mr. Leland Guscette
Mr. Jason Haugen
Mr. Greg Shanenko
Mr. Eric Broten
Mr. Wade Bruns
Mr. Mark Formo
Mr. Rob Hanson
Mr. Charlie Kreidelcamp
Mr. Anthony Thilmony

OHIO

Facilitators
Mr. Ben Brown - Assistant Professor

Panel Participants
Mr. Dean Bixel
Mr. Mark Drewes
Mr. Todd Hesterman
Mr. Eric Johnson
Mr. Kevin Thierry
Mr. Scott Conrad
Mr. Matt Eggers
Mr. Tim Holbrook
Mr. Jeremy Tedrow

OHIO - NAPOLEON

Facilitators
Mr. Ben Brown - Assistant Professor

Panel Participants
Mr. Dean Bixel
Mr. Mark Drewes
Mr. Todd Hesterman
Mr. Eric Johnson
Mr. Kevin Thierry
Mr. Scott Conrad
Mr. Matt Eggers
Mr. Tim Holbrook
Mr. Jeremy Tedrow
FEED GRAIN FARMS (CONTINUED)

South Carolina

Facilitators
Mr. Scott Mickey
Dr. Nathan Smith

Panel Participants
Mr. Neal Baxley
Mr. Chris Cogdill
Mr. Sam DuRant
Mr. Steven Gamble
Mr. Tommy Lee
Mr. John Michael Parimuha
Ms. Vikki Brogdon
Mr. Harry DuRant
Mr. Jason Gamble
Mr. Barry Hutto
Mr. Joe McKeower

Tennessee - Trenton

Facilitators
Mr. Jeff Lannom - Extension Agent & County Director, Weakley County
Mr. Danny Morris
Mr. Philip Shelby - Extension Agent, Gibson County
Mr. Tim Smith - County Extension Agent, Obion County

Panel Participants
Mr. Steven Agee
Mr. Kenneth Barnes
Mr. Mike Brundige
Mr. Kaleb Dinwiddie
Mr. Bobby Garner
Mr. Brent Griggs
Mr. Rob Holman
Mr. Todd Littleton
Mr Ben Moore
Mr. David Oliver
Mr. John Parrish
Mr. Hedrick Shoaf
Mr. Keith Steele
Mr. James Wall
Mr. Jay Yeargin
Mr. Brent Baier
Mr. Randy Boals
Mr. John Chester
Mr. Mike Freeman
Mr. Derek Griffin
Mr. Gary Hall
Mr. Josh Little
Mr. Jason Luckey
Mr. Scotty Ogg
Mr. Eric Owen
Mr. Eric Partee
Mr. Kevin Smethwick
Mr. Seth Taylor
Mr. Jody Wright

Texas - Northern Blackland Prairie

Facilitators
Mr. Zach Davis - County Extension Agent, Hill County

Panel Participants
Mr. Chad Kaska
Mr. Chad Radke
Mr. Todd Kimbrell, Jr.
Mr. John Sawyer

Texas - Northern High Plains

Facilitators
Mr. Marcel Fischbacher - County Extension Agent, Moore County

Panel Participants
Mr. Tommy Cartrite
Mr. Justin Garrett
Mr. Casey Kimbrell
Mr. Chandler Preston
Mr. Stan Spain
Mr. Dee Vaughan
Mr. Brent Clark
Mr. Kelly Hays
Mr. Tom Moore
Mr. Jon Reznik
Mr. Darren Stallwitz
Ms. Linda Williams
FEED GRAIN FARMS (CONTINUED)

Texas - Panhandle
Facilitators
Mr. Rick Auckerman - County Extension Agent, Texas Cooperative Extension
Panel Participants
Mr. Michael Carlson
Mr. Greg Chavez
Mr. Bob Meyer
Mr. Roy Carlson
Mr. Steve Hoffman
Mr. Tom Schlabs

Texas - Southern Blackland Prairie
Facilitators
Mr. Cooper Terrill - County Extension Agent, Williamson County
Panel Participants
Mr. Terry Pekar
Mr. Ken Seggern
Mr. Herbert Raesz

Texas - Southwest
Facilitators
Mr. Samantha Korzekwa - County Extension Agent, Uvalde County
Panel Participants
Mr. Jimmy Carnes
Mr. Mark Landry
Mr. Ralph Hesse
Mr. Danny Parker
WHEAT FARMS

Colorado

Facilitators
Mr. John Deering - Ag Business Agent, North Star Bank
Mr. Dennis Kaan - Director, Golden Plains Area Extension, Colorado State University

Panel Participants
Mr. Rollie Deering Mr. Ward Deering
Mr. David Foy Mr. Dale Hansen
Mr. William Harman Mr. Barry Hinkhouse
Mr. Terry Kuntz Mr. Shane Leoffler
Mr. Dave Lillich Mr. Max Olsen
Ms. Sara Olsen Mr. Ken Remington
Mr. Craig Saxton Mr. Calvin Schaffert
Mr. Harlan Schaffert Mr. Dave Wagers
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. Tanner Brown Mr. Steve Busse
Rich Calliham Mr. Richard Calliham
Mr. Sam Crouse Mr. Aaron Horinek
Mr. Lee Juenemann Mr. Brian Laufer
Mr. Lance Leebrick Mr. Steve Schertz

Kansas - South Central

Facilitators
Mr. Randy Hein - County Extension Agent, Sumner County
Mr. Zach Simon - County Extension Agent, Sedgwick County

Panel Participants
Mr. Colton Day Mr. Dennis Gruenbacher
Mr. Doug Hisken Mr. Aaron Lange
Mr. Kent Ott Mr. Steve Schmidt
Mr. Mike Slack Mr. Nick Steffen
Troy & Julia Strnad Mr. Tim Turek
Mr. Robert White

Montana - North Central

Facilitators
Mr. Lochiel Edwards

Panel Participants
Mr. Darin Arganbright Mr. Steve Bahnmiller
Mr. Duane Beirwagen Mr. Will Roehm
Mr. Dan Works
WHEAT FARMS (CONTINUED)

Oregon - North Central
Facilitators
Jon Farquharson
Panel Participants
Mr. Dana Heideman    Mr. Bill Jepsen
Mr. Joe McElligott    Mr. Craig Miles
Mr. Eric Orem         Mrs. Shannon Rust
Mr. Tim and Shannon Rust

Washington
Facilitators
Mr. Aaron Esser - County Director, WSU Extension
Panel Participants
Mr. Trevor Jantz      Mr. Ron Jirava
Mr. Mike Miller       Mr. Justin Simonson
Mr. Travis Simonson   Mr. Tim Smith
Mr. Traven Smith      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. Asa Clark
Mr. Gavin Clark       Mr. Scot Cocking
Mr. Aaron Gfeller     Mr. David Harlow
Ms. Kenda Hergert     Mr. Dean Kinzer
Ms. Heidi Kopf        Mr. Brian Largent
Mr. Gary Largent      Mr. Michael Largent
Mr. Steve Mader       Ms. Amy McKay
Mr. Clark Miller      Mr. Bruce Nelson
Mr. Chris Schultheis  Mr. David Swannack
Mr. Steve Teade       Mr. Jon Whitman
COTTON FARMS

Alabama

Panel Participants
Mr. James Blythe  Mr. Paul Clark
Mr. Jarred Darnell  Dr. Steve Ford
Mr. William Lee  Ms. Larkin Martin

Arkansas

Facilitators
Mr. Ray Benson
Mr. Ronnie Kennett
Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension

Panel Participants
Mr. Chad Costner  Mr. Heath Donner
Mr. Todd Edwards  Mr. Cole Hawkins
Mr. Justin Hawkins  Mr. Kenny Jackson
Mr. David Wildy

Georgia - Southwest

Facilitators
Ms. Nan Bostick - County Extension Coordinator, Decatur County
Mr. Cody Powell
Dr. Adam Rabinowitz

Panel Participants
Mr. Andy Bell  Mr. Jerry Jones
Mr. Greg Mims  Mr. Willard Mims
Mr. Brad Thompson  Mr. Raymond Thompson

North Carolina

Facilitators
Mr. Daryl Anderson - County Extension Agent
Dr. Blake Brown
Mr. Gary Bullen
Mr. Kevin Johnson - County Extension Director, Wayne County

Panel Participants
Mr. Landis Brantham, Jr.  Mr. Michael Gray
Mr. Willie Howell  Mr. David B. Mitchell, Sr.
Mr. Danny C. Pierce  Mr. Craig West
Mr. Bryant Worley

South Carolina

Facilitators
Mr. Jonathan Croft
Mr. Scott Mickey
Dr. Nathan Smith

Panel Participants
Mr. Jimmie Griner  Mr. Dean Hutto
Mr. John McLaurin  Mr. David Tindal
Mr. Landrum Weathers
COTTON FARMS (CONTINUED)

Tennessee
Facilitators
Mr. Walter Battle - Co-Director, Haywood County Extension
Mr. Chuck Danehower - Extension Area Specialist, Farm Management
Mr. Danny Morris
Mr. Tyson Raper
Ms. Lindsay Stephenson-Griffin
Mr. Jeff Via - County Extension Director, Fayette County
Panel Participants
Mr. Harris Armour, III
Mr. R. Morris English, Jr.
Mr. Lee Graves
Mr. Ed Karcher
Mr. Allen King
Mr. Travis Lonon
Mr. Hassell Smith
Mr. Chuck Dacus
Mr. Willie German
Mr. Dewayne Hendrix
Mr. Rob Karcher
Mr. John King
Mr. Kinney McRae
Mr. Ronald Woods

Texas - Coastal Bend
Facilitators
Mr. Bobby McCool - County Extension Agent, San Patricio County and Aransas County
Mr. Mark Miller - Chief Operations Officer, Texas AgFinance
Mr. Jeff Nunley - Executive Director, South Texas Cotton & Grain Association
Mr. Jason Ott - County Extension Agent, Nueces County
Mr. John Parker - Vice President, Texas AgFinance
Panel Participants
Mr. Travis Adams
Mr. Colin Chopelas
Mr. Jon Gwynn
Mr. Larry McNair
Mr. Toby Robertson
Mr. David Weaver
Mr. Marvin Beyer, Jr.
Mr. Jimmy Dodson
Mr. Darrell Lawhon
Mr. Andrew Miller
Mr. Darby Salge
Mr. Jon Whatley

Texas - Eastern Caprock
Facilitators
Ms. Caitlin Jackson
Panel Participants
Mr. Lloyd Arthur
Mr. Mark Schoepf
Mr. Brooks Ellison
Mr. Conner Wilmeth

Texas - Mid Coast
Facilitators
Mr. Jeff Nunley - Executive Director, South Texas Cotton & Grain Association
Mr. Jimmy Roppolo - General Manager, United Ag
Panel Participants
Mr. Daniel Gavranovic
Mr. Cedric Popp
Mr. Darrell Schoeneberg
Mr. Duane Lutringer
Mr. Michael Popp
Mr. Mike Watz
COTTON FARMS (CONTINUED)

Texas - Rio Grande Valley
Facilitators
Mr. Matthew Rodriguez - County Extension Agent
Panel Participants
Mr. Jerry Chappell
Mr. Spence Pennington
Mr. Zachary Swanberg
Mr. Joe Pennington
Mr. Ivan Salazar
Mr. Mark Willis

Texas - Rolling Plains
Facilitators
Mr. Steven Estes - County Extension Agent, Texas AgriLife Extension
Panel Participants
Mr. Larry Lytle
Mr. Cody Roberts
Mr. Mike Sloan
Mr. Rick Vickers
Mr. Terry White
Mr. Michael McLellan
Mr. Brian Sandbothe
Mr. Dale Spurgin
Mr. Ferdie Walker

Texas - Southern High Plains
Facilitators
Mr. Gary Roschetzky - County Extension Agent, Dawson County
Panel Participants
Mr. Terry Coleman
Mr. Kirk Tidwell
Mr. Donald Vogler
Mr. Will Cozart
Mr. Johnny Ray Todd
Mr. David Warren
Arkansas

Facilitators
Mr. Chuck Capps
Mr. Steve Kelley
Mr. Steven Stone
Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension
Mr. Gus Wilson

Panel Participants
Mr. John Gates
Mr. Andy Gill
Mr. Joe Mencer
Mr. Jim Whitaker
Mr. Andrew Gill
Mr. Tad Keller
M. Matt Miles
Mr. Sam Whitaker

Arkansas - East Central-Arkansas County

Facilitators
Mr. Bill Free - Riceland Foods, Inc.
Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension

Panel Participants
Mr. Brandon Bauman
Mr. Monty Bohanan
Mr. Stephen Hoskyn
Mr. Garth Jessup
Mr. Derek Bohanan
Mr. Dusty Hoskyn
Mr. David Jessup

Arkansas - East Central-Cross County

Facilitators
Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension
Mr. Rick Wimberley - County Extension Agent - Staff Chair, U. of Arkansas Cooperative Extension

Panel Participants
Mr. Corbin Brown
Mr. Byron Holmes, Jr.
Mr. Roger Pohlner
Mr. John Cooper
Mr. Bryan Moery

Arkansas - Northeast-Lawrence County

Facilitators
Mr. Michael Andrews
Mr. Bryce Baldridge
Ms. Courtney Sisk
Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension

Panel Participants
Mr. Greg Baltz
Mr. Ricky Burris
Mr. Doug Cox
Mr. Joe Richardson
Mr. Jeremy Baltz
Mr. Ronald Cavenaugh
Mr. Bruce Manning
Mr. Vic Stone

California - Butte County

Facilitators
Dr. Luis Espino
Mr. Tim Johnson - President and CEO, California Rice Commission

Panel Participants
Mr. Seth Fiack
Mr. Peter Rystrom
Mr. Derek Sohnrey
Mr. Imran Khan
Mr. Josh Sheppard
RICE FARMS (CONTINUED)

California - Colusa County
Facilitators
Dr. Luis Espino
Mr. Tim Johnson - President and CEO, California Rice Commission
Panel Participants
Mr. Don Bransford
Mr. Leo LaGrande
Mr. Alex Struckmeyer
Ms. Kim Gallagher
Mr. Charles Marsh

California - Sutter County
Facilitators
Ms. Whitney Brim-DeForest - UCCE Farm Advisor
Mr. Tim Johnson
Panel Participants
Mr. Bard Anderson
Mr. Tom Butler
Mr. Ned Lemenager
Mr. Jon Munger
Mr. Michael Rue
Mr. Scott Tucker
Ms. Nicole Van Vleck
Mr. Paul Baggett
Mr. Mike DeWit
Mr. Charley Mathews
Mr. Rick Nelson
Mr. Don Traynham
Mr. Rob Van Dyke

Louisiana - Northeast
Facilitators
Mr. Scott Franklin
Panel Participants
Mr. Ed Greer
Mr. Jim Lingo
Mr. John Owen
Mr. Heath Herring
Mr. Jon Michael Livingston
Mr. Russ Ratcliff

Louisiana - Southwest-Acadia
Panel Participants
Mr. Al Cramer
Mr. David Lacour
Mr. Jackie Loewer
Mr. Christian Richard
Mr. Tommy Faulk
Mr. Alan Lawson
Mr. Micah Loewer
Mr. Fred Zaunbrecher

Mississippi - Cleveland
Facilitators
Dr. Larry Falconer - Extension Professor
Mr. Craig Hankins - Extension Agent
Panel Participants
Mr. Michael Aguzzi
Mr. Gary Fioranelli
Mr. Kirk Satterfield
Mr. Austin Davis
Mr. Randy Howarth
Missouri

Facilitators
Mr. Trent Haggard - Director, Fisher Delta Research Center

Panel Participants
Mr. John Anderson  Mr. Alex Clark
Mr. Rance Daniels  Mr. Russ Hoggard
Mr. Jim Priggel  Mr. Will Spargo

Texas - Bay City-Matagorda County

Panel Participants
Mr. Donnie Bulanek  Mr. Barrett Franz
Mr. Billy Mann  Mr. Curt Mowery
Mr. Bob Reed  Mr. Joey Sliva
Mr. Paul Sliva

Texas - Eagle Lake-Colorado County

Panel Participants
Mr. Andy Anderson  Mr. Steve Balas
Mr. Kenneth Danklefs  Mr. W.A. "Billy" Hefner, III
Mr. Jason Hlavinka  Mr. Ira Lapham
Mr. Patrick Pavlu  Mr. Bryan Wiese

Texas - El Campo-Wharton County

Panel Participants
Mr. Daniel Berglund  Mr. Timothy Gertson
Mr. Mark Rasmussen  Mr. L.G. Raun
Mr. Glen Rod  Mr. Tommy Turner
DAIRY FARMS

California
Facilitators
Dr. J.P. Martins

Panel Participants
Mr. Steve Gaspar  Mr. Dino Giacomazzi
Mr. Claudio Ribeiro  Mr. Jeff Wilbur

Florida - North
Facilitators
Ms. Mary Sowerby - Regional Dairy Extension Specialist, UofF Extension
Mr. Chris Vann - County Extension Agent, Lafayette County

Panel Participants
Mr. Johan Heijkoop  Mr. Everett Kerby
Mr. Rod Land  Mr. Terry Reagan
Mr. Klaas Reynevelds  Mr. George Wedsted

Florida - South
Facilitators
Mr. Ray Hodge - Director of Govt Relations, Southeast Milk

Panel Participants
Mr. Ben Butler  Mr. Bob Butler
Mr. Jacob Larson  Mr. Woody Larson
Mr. Tony Moens  Mr. Keith Rucks
Mr. Sutton Rucks, Jr.  Mr. Glynn Rutledge
Mr. Tommy Watkins

Idaho
Facilitators
Mr. Rick Naerebout - Executive Director, Idaho Dairymen's Association

Panel Participants
Mr. Willie Bokma  Mr. Christopher Stevenson
Mr. Ted Vander Scheaf  Mr. Pete Wiersma

Missouri
Facilitators
Mr. Stacey Hamilton - Dairy Specialist and Dade Co. Program Director

Panel Participants
Mr. Niall Murphy  Mr. Gary Nolan
Mr. Bernie Van Dalfsen  Mr. Zach Ward
Mr. Craig Zydenbos

Nevada - Fallon
Facilitators
Mr. Bob Fletcher
Dr. Tom Harris - Dept. of Resource Econ, University of Nevada
Ms. Pam Powell - Extension Agent

Panel Participants
Mr. Pete Homma  Mr. Cameron Mills
Mr. Alan Perazzo  Mr. David Perazzo
Mr. Charles Turner  Mr. Jeff Whitaker
New York - Central

Facilitators
Ms. Betsy Hicks

Panel Participants
Mr. Eric Carey
Mr. and Mrs. Mike McMahon
Mr. & Mrs. Todd & Josie Spencer

Ms. Amanda Fitzsimmons
Mr. Kenton Patchen
Mr. Zach Young

New York - Western

Facilitators
Ms. Joan Petzen - Farm Business Mngt Specialist, Cornell Cooperative Extension

Panel Participants
Ms. Tammy Andrews
Mr. Gerry Coyne
Mr. Peter Dueppengiesser
Mr. John Emerling
Mr. Tom and Bill Fitch
Ms. Sarah Keem
Mr. Jeff Mulligan
Mr. John Noble
Mr. Steve Sondericker
Mr. Ken Van Slyke

Ms. Benjamin Chamberlain
Mr. Malachy Coyne
Ms. Kitty Dziedzic
Mr. Walter Faryna
Mr. Craig Harkins
Mr. John Knopf
Ed & Jody Neal
Mr. Lyman Rodgers
Ms. Cyndy Van Lieshout

Ohio - Wooster

Facilitators
Mr. Ben Brown - Assistant Professor
Ms. Dianne Shoemaker

Panel Participants
Ms. Jenny Bernhard
Mr. Henry Hughes
Ms. Joan Winkler

Mr. Gary Dotterer
Mr. Joe Miley
Ms. Rebecca Winkler

Texas - Central

Facilitators
Mr Lonnie Jenschke - County Agent, TexasAgriLife Extension
Dr. Jason Johnson - Area Economist, TexasAgriLife Extension

Panel Participants
Mr. Frans Beukeboom
Mr. Johan Koke
Mr. Henk Postmus

Mr. Johann DeBoer
Mr. Clemens Kuiper

Texas - Northeast

Facilitators
Dr. Mario Villarino - County Agent, Texas Cooperative Extension

Panel Participants
Mr. Alan Bullock
Mr. Don Smith
Mr. Mark Sustaire

Mr. Blake Fisher
Mr. Jerry Spencer
DAIRY FARMS (CONTINUED)

Texas - South Plains

Facilitators
Ms. Janet Claborn - Director of Economic Development
Mr. Curtis Preston - County Extension Agent Bailey County

Panel Participants
Mr. Tom Alger
Mr. Larry Hancock
Mr. Reed Mulliken
Mr. Bob Wade

Mr. Matt Beckerink
Mr. David Lawrence
Mr. Joe Osterkamp

Vermont

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

Panel Participants
Mr. Paul Bourbeau
Mr. Ashley Farr
Mr. Steven Jones
Mr. Les Pike
Mr. Onan Whitcomb

Mr. David & Deb Conant
Mr. Ted Foster
Mrs. Polly McEwing
Mrs. Kathrine Scribner

Washington

Facilitators
Dr. Amber Itle
Dr. Susan Kerr - Dairy Extension Specialist, WSU

Panel Participants
Mr. John/Rich Appel
Mr. Rod & Jon De Jong
Mr. Troy Lenssen
Mr. Ed Pomeroy
Mr. Galen Smith
Mr. Harold Van Berkum
Mr. Peter Vlas

Mr. Ed Blok
Mr. Larry DeHaan
Mr. Sherman Polinder
Mr. Jeff Rainey
Mr. John Steensma
Mr. Jerry Van Dellen

Wisconsin

Facilitators
Ms. Tina Kohlman

Panel Participants
Mr. David Beck
Mr. John Diedrichs
Mr. Roger Grade
Mr. Clint Hodorff
Ms. Linda Hodorff
Mr. Randy Julka
Mr. and Mrs. Charlie Knigge
Mr. Jeff Liner
Mr. Jeff Reiden
Mr. John Ruedinger
Mr. Rob Stone
Mr. Bill & Tammy Wiese

Mr. Mark Breunig
Ms. Gooitske Dijkstra
Mr. Ben Hesselink
Mr. Corey Hodorff
Mr. Matt Hunter
Mr. Jim Kasten
Mr. Pete Knigge
Mr. Chris Pollack
Mr. Jim Rickert
Mr. Steve Smits
Mr. Jason Vorpahl
BEEF PRODUCERS

California
Facilitators
Mr. Josh Davy - Livestock and Natural Resources Rep, UC-Davis Extension
Mr. Larry Forero - Farm Advisor, Livestock and Natl. Res., California Cooperative Extension
Mr. Glenn Nader - Farm Advisor, Livestock and Natl. Res., California Cooperative Extension
Panel Participants
Mr. Jerry Hemsted
Mr. Dick O'Sullivan
Mr. Britt Schumacher
Mr. Ron Masingale
Mr. Wally Roney

Colorado
Facilitators
Mr. Todd Hagenbuch - County Extension Agent, Routt County
Mr. CJ Mucklow - Western Region Director
Panel Participants
Mr. Doug Carlson
Mr. Larry Monger
Mr. Jim Rossi
Ms. Kathy Smith
Mr. Jay Fetcher
Mr. Dustin Neelis
Mr. Phillip Rossi
Mr. Justin Warren

Florida
Panel Participants
Mr. Mike Adams
Mr. Alan Kelley
Mr. Ralph Pelaez
Dr. Fred Tucker
Mr. Wes Carlton
Mr. Cary Lightsey
Mr. Bert Tucker
Mr. Wes Williamson

Missouri - Southwest
Facilitators
Mr. Brian Gillen - Agricultural Science Instructor, Lockwood High School
Panel Participants
Mr. Marc Allison
Mr. Scott Daniel
Mr. James A. Nivens
Mr. Gary D. Wolf
Mr. Steve Allison
Mr. Randall Erisman
Mr. Mike Theurer

Montana
Facilitators
Mr. Michael Schuldt - County Extension Agent, Custer County
Panel Participants
Mr. Clarence Brown
Mr. Levi Foreman
Mr. Alyn Haughian
Mr. Andy Zook
Mr. Art Drange
Mr. Kendall Groer
Mr. Scot Robinson
Nevada

Facilitators
Dr. Tom Harris - Dept. of Resource Econ, University of Nevada
Dr. Ron Torell - Custom A.I. & Ranch Consulting

Panel Participants
Mr. Tom Barnes
Mr. and Mrs. Jay Dalton
Mr. and Mrs. Mitch & Rhonda
Mr. and Mrs. Sam Mori
Mr. Paul Sarman
Mr. and Mrs. Brad & Dani Dalton
Mr. Jon Griggs
Mr. Pete Mori
Mr. and Mrs. Ed Sarman
Mr. and Mrs. Craig Spratling

Nevada - Caliente

Facilitators
Ms. Holly Gatzke
Dr. Tom Harris - Dept. of Resource Econ, University of Nevada

Panel Participants
Mr. Pete Delmue
Ms. Kena Lytle-Gloeckner
Mr. Sam Higbee
Mr. Robert Mathews

New Mexico

Facilitators
Ms. Talisha Valdez - County Extension Agent, Union County

Panel Participants
Mr. Justin Bennett
Mr. Blair Clavel
Mr. Russell Kear
Mr. Red Miller
Mr. Derek Walker
Mr. Damon Brown
Mr. John Gilbert
Mr. J.C. Miller
Mr. John Vincent

South Dakota

Facilitators
Ms. Adele Harty

Panel Participants
Mr. Kory Bierle
Mr. Jim Cantrell
Mr. Casey Doud
Ray & Linda Gilbert
Mr. Willis Kopren
Mr. Andrew Snyder
Mr. Reed Cammaack
Mr. Gary Clanton
Mr. Josh Geigle
Mr. Riley Kammerer
Mr. Sam Smith
Mr. Monty Williams

Texas - Rolling Plains

Facilitators
Mr. Thomas Boyle - County Extension Agent, Dickens County
Mr. Toby Oliver - County Extension Agent, King County

Panel Participants
Mr. Greg Arnold
Mr. Steve Drennan
Mr. Glenn Springer
Hon. Duane Daniel
Mr. Leland Foster
BEEF PRODUCERS (CONTINUED)

Texas - South
Facilitators
Mr. Dwight Sexton - County Extension Agent, Gonzales County

Panel Participants
Mr. Jason Breitschopf
Mr. Brian Fink
Mr. Michael Kuck
Mr. Michael Ehrig
Mr. Mitchell Hardcastle
Mr. Billy Parker

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

Panel Participants
Mr. Matt Brown
Mr. Maurice Bush
Mr. Mike Healy
Mr. Gary Rice
Ms. Teresa Brown
Mr. Tim Flitner
Mr. Dan Rice
PEANUT FARMS

North Carolina - Conway

Facilitators
Dr. Blake Brown
Mr. Gary Bullen
Mr. Bob Sutter

Panel Participants
Mr. Clarke Fox
Mr. Wayne Harrell
Mr. Brad West

Mr. Ray Garner
Mr. Donny Lassiter
Mr. Donnie White

North Carolina - Elizabethtown

Facilitators
Dr. Blake Brown
Mr. Gary Bullen
Mr. Matthew Strickland
Mr. Bob Sutter

Panel Participants
Mr. Robert Byrd
Mr. Jart Hudson
Mr. Dan McDuffie
Mr. Dan Ward

Mr. Wade Byrd
Mr. Alex Jordan
Mr. Sean Morris
Mr. Wilbur Ward