
Economic Impacts of the Safety Net Provisions in the Agriculture Risk Coverage Improvement and Innovation Act (S. 2749) on AFPC's Representative Crop Farms

Working Paper 18-2

June 2018



Agricultural and Food Policy Center

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**ECONOMIC IMPACTS OF THE SAFETY NET PROVISIONS IN THE
AGRICULTURE RISK COVERAGE IMPROVEMENT AND INNOVATION ACT (S.
2749) ON AFPC'S REPRESENTATIVE CROP FARMS**

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Introduction

This report analyzes the economic impacts of the safety net provisions in the Agriculture Risk Coverage Improvement and Innovation (ARC-II) Act (S. 2749) as introduced by Senators Brown and Thune on April 25, 2018 on the Agricultural and Food Policy Center's (AFPC's) 63 representative crop farms. This analysis was conducted at the request of Senator Boozman. The analysis compares the projected outcomes for the representative farms under three options:

- the current program baseline [the Agricultural Act of 2014 (2014 Farm Bill) provisions and current agriculture risk coverage (ARC)/price loss coverage (PLC) commodity elections],
- the 2014 Farm Bill provisions assuming producers can change their elections between ARC and PLC in 2019. A county-level decision aid was used to determine the optimal program elections for each crop and farm over the study period,
- the commodity program provisions contained in the ARC-II Act. A county-level decision aid was used to determine the optimal program elections for each crop and farm over the study period.

Description of S. 2749 and Provisions Analyzed

The ARC-II Act primarily focuses on improving the ARC program. Table 1 provides a summary of the changes made in the ARC provisions that are analyzed in this study. In general, the amount of losses that must be endured by a producer before payments are triggered is reduced from 14% of the benchmark to 10%. The benchmark prices had been the Olympic average of the previous 5 years' marketing year average prices. In the ARC-II Act, benchmark prices would be the simple average of the previous 3 years' marketing year average prices with a floor price of the 10-year simple average. Substitute yields used to replace low historical county yields would be 80% of the county transitional (T) yield for each year the historical yield is less than 80% of T. The 2014 Farm Bill replaces any yield lower than 70% of T with 70% of the county transitional yield.

There are several other provisions in the ARC-II Act that are analyzed in this report including adjusting benchmark yields using a trend-adjusted yield factor as used in crop insurance and reducing payments to non-farmers by converting nonplanted base acres to unassigned acres. In addition, the PLC reference prices were changed from the fixed levels set in the 2014 Farm Bill to being capped at the 10-year moving average of the preceding marketing year average prices.

Table 1. ARC-II Act changes to ARC provisions.

Old ARC Guarantee	New ARC Guarantee
Payments issued when producers' losses exceed 14% of the	Payments issued when producers' losses exceed 10% of the
Benchmark County Revenue Guarantee Defined as: Olympic average of five most recent historical yields X Olympic average of five most recent Market Year Average prices	Benchmark County Revenue Guarantee Defined as: Olympic average of five most recent historical yields X Simple average of three most recent Market Year Average Prices (with a floor price of the 10-year simple average)
Substitute yields: The historical county yield is substituted with 70% of the County Transitional (T) yield for each year the historical yield is less than 70% of T.	Substitute yields: The historical county yield is substituted with 80% of the County Transitional (T) yield for each year the historical yield is less than 80% of T.

Source: Thune, 2018.

The primary provisions that are not considered in this analysis are:

- The Wheat Quality Adjustment Factor that allows the secretary to adjust the current benchmark yields up to 50 percent for wheat to account for weather-related quality factors.
- Direct FSA to use the more widely available data from RMA as the first choice for yield calculations.
- Calculate safety net payments based on a farm's physical location, rather than the administrative county unit.
- Provide FSA state committees the discretion to adjust yield data estimates to reduce inexplicable variations between counties or along boundaries with neighboring states.
- Gives USDA the authority to split large counties under certain circumstances for the ARC county option.
- Opportunity for beginning farmers to increase base acres.

The information provided by Senator Thune (Table 2) summarizing S. 2749 indicates that several commodities would be impacted by moving from the fixed reference prices established in the 2014 Farm Bill to the lesser of the statutory rates or the 10-year moving average of marketing year prices.

Table 2. ARC-II Act changes to ARC provisions.

Covered Commodity	2014 Farm Bill Reference Price	10-year Marketing Year Average (2007-2017) ¹	Reference Prices as percentage of 10-year average
Corn (\$/bu.)	\$3.70/bu	\$4.52/bu	82%
Soybeans (\$/bu.)	\$8.40/bu	\$10.94/bu	77%
Wheat (\$/bu.)	\$5.50/bu	\$6.05/bu	91%
Seed Cotton (\$/lb)	\$0.367/lb	\$0.344/lb	107%
Barley (\$/bu.)	\$4.95/bu	\$5.15/bu	96%
Oats (\$/bu.)	\$2.40/bu	\$2.88/bu	83%
Sorghum (\$/bu.)	\$3.95/bu	\$4.22/bu	93%
Long grain rice (\$/cwt)	\$14.00/cwt	\$12.72/cwt	110%
Medium/short grain rice (excluding Japonica)	\$14.00/cwt	\$14.38/cwt	97%
Japonica rice (\$/cwt)	\$16.10/cwt	\$19.83/cwt	81%
Peanuts (\$/ton)	\$535/ton	\$471/ton	114%
Canola (\$/cwt)	\$20.15/cwt	\$19.27/cwt	105%

¹The 10-year average listed is actually the 10-year average of the 2007/08 to 2016/17 marketing years.

Source: Thune, 2018.

Assuming ARC-II provisions are in effect, seed cotton, long grain rice, peanuts and canola would see a reduction in the PLC reference price. While these reference price reductions range from a 5% reduction for canola to a 14% reduction for peanuts, the real story is what is projected to happen throughout the rest of the study period. Figures 1-9 provide the current reference price and AFPC projections of the 10-year moving average reference price levels indicated by the blue line with colored confidence bands indicating the amount of risk associated with the future reference prices using a 10-year moving average.

The average projected reference prices for corn and barley would generally remain at the 2014 Farm Bill statutory reference prices throughout the study period (Figures 1 and 9). Soybeans are not projected to see prices that would contribute to the reference price falling below \$8.40/bushel (Figure 2). All of the remaining commodities (wheat, grain sorghum, seed cotton, long grain and medium/short grain rice, temperate Japonica rice, and peanuts) would experience significantly lower average or expected reference prices over the period (Figures 3, 4, 5, 6, 7, and 8). While the colored confidence bands indicate the upside and downside risk on reference prices, it is the downside risk that would represent the biggest area of concern for producers of these crops. For example, the wheat reference price in 2025 is projected to average around \$5.00/bushel with a 50% chance of being between \$4.75 and \$5.25/bushel or \$0.75 to \$0.25 lower than current reference price for wheat.

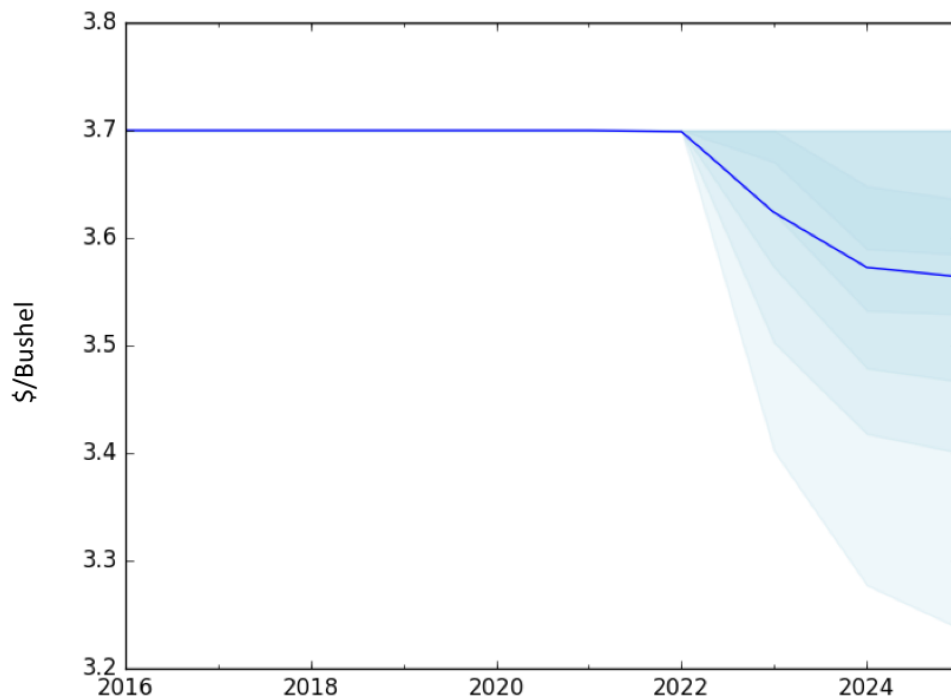


Figure 1. Current and Projected Reference Prices for Corn Including Confidence Bands.

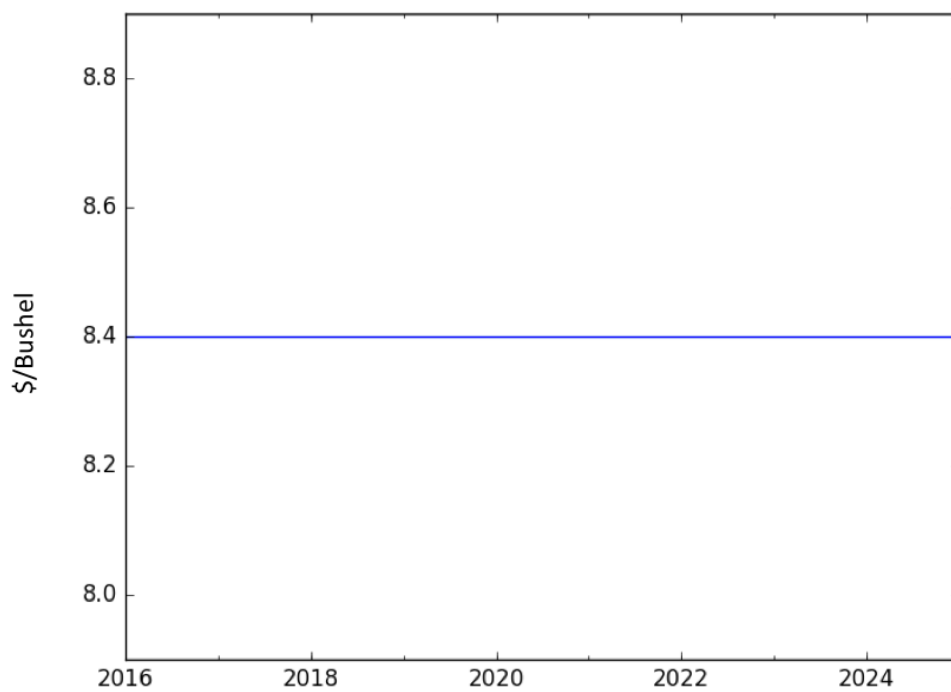


Figure 2. Current and Projected Reference Prices for Soybeans Including Confidence Bands.

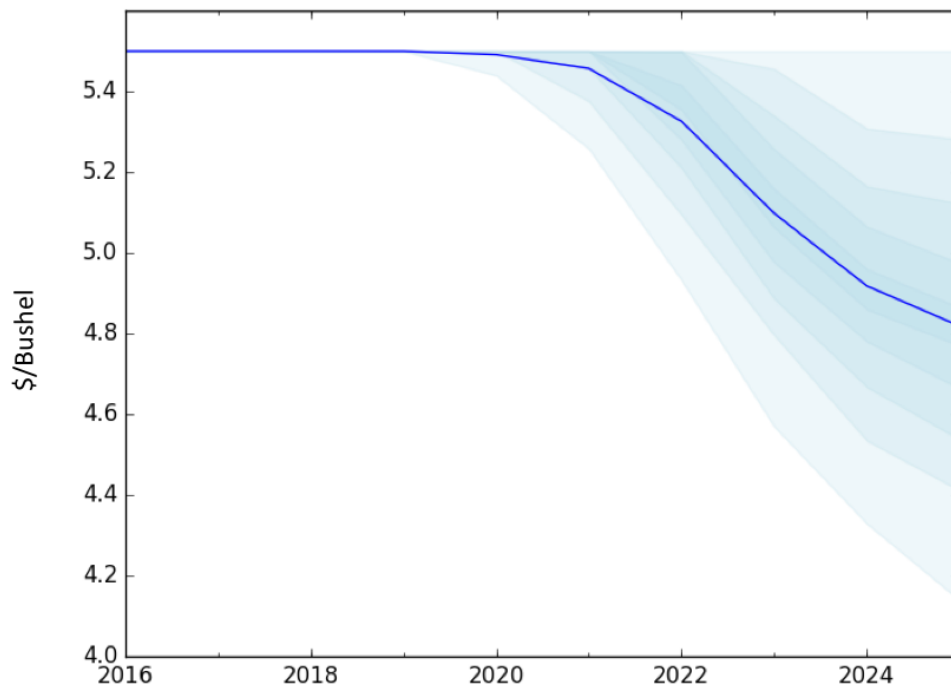


Figure 3. Current and Projected Reference Prices for Wheat Including Confidence Bands.

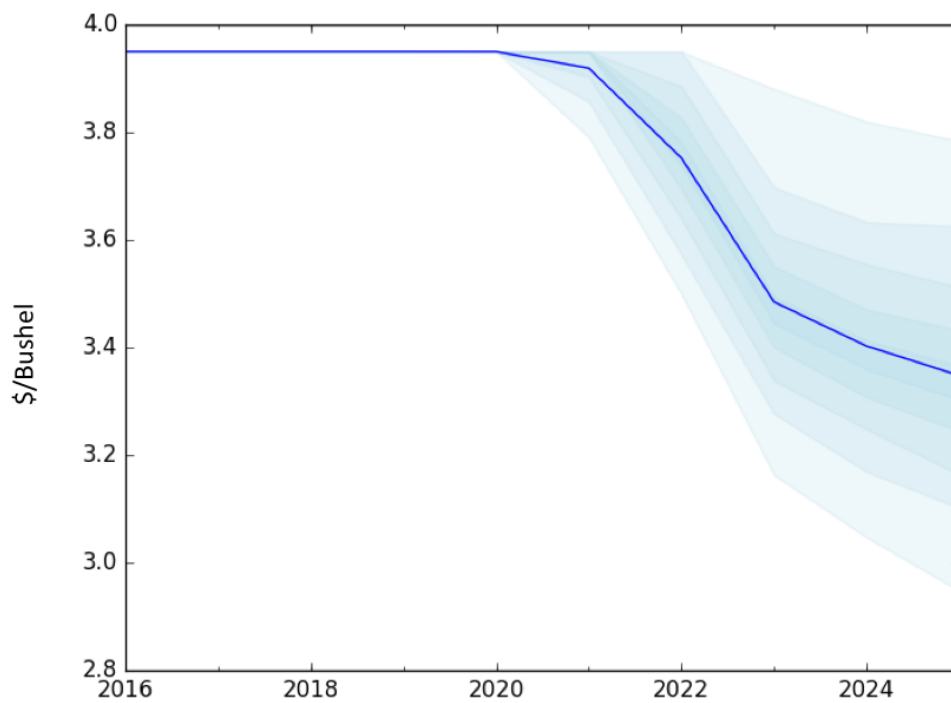


Figure 4. Current and Projected Reference Prices for Grain Sorghum Including Confidence Bands.

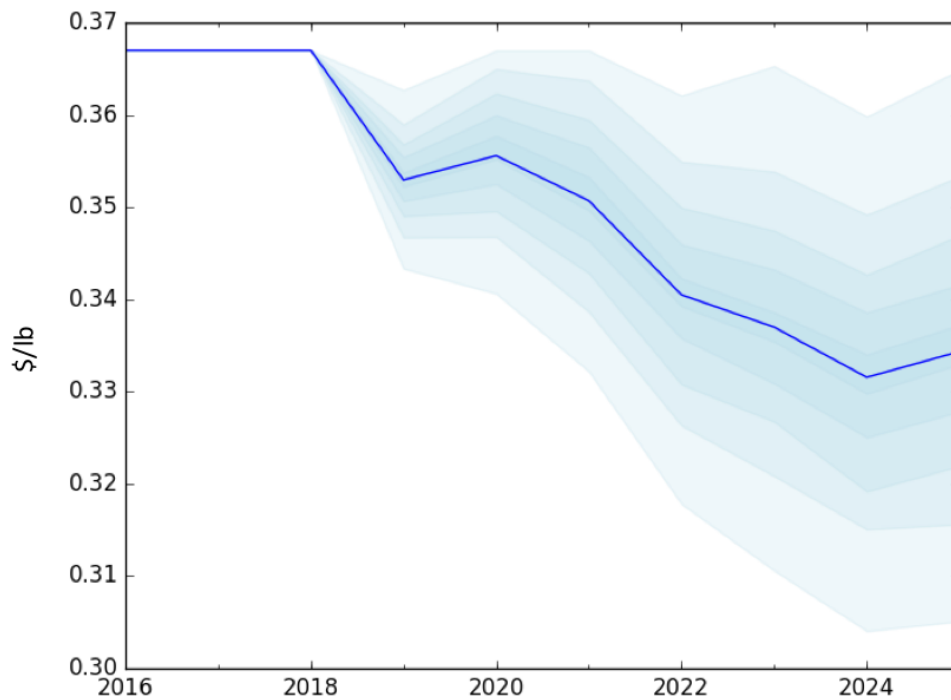


Figure 5. Current and Projected Reference Prices for Seed Cotton Including Confidence Bands.

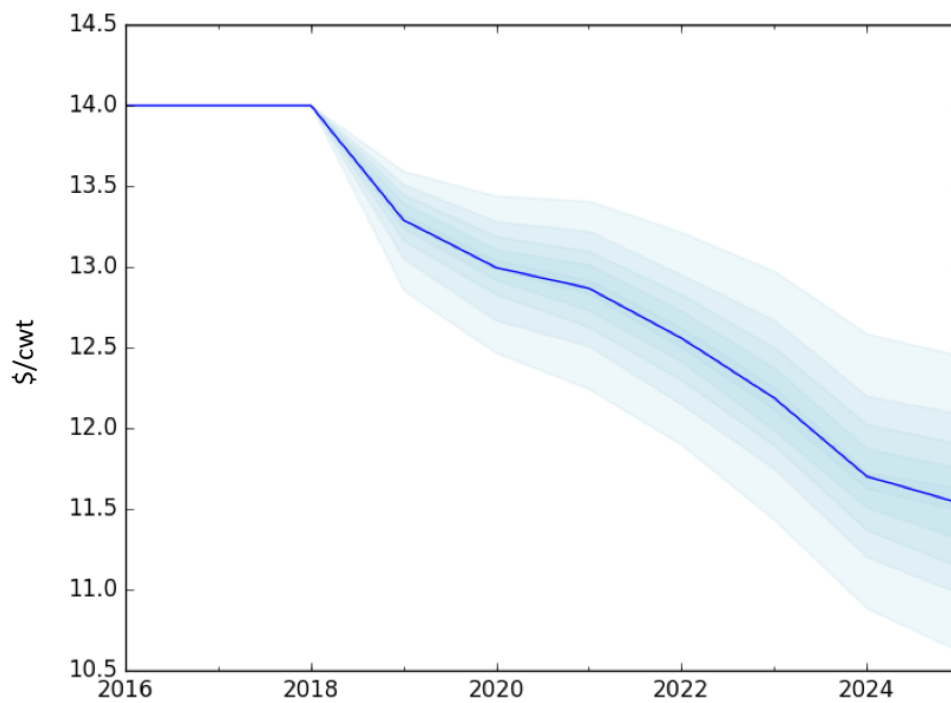


Figure 6. Current and Projected Reference Prices for Long, Medium, and Short-Grain Rice Including Confidence Bands.

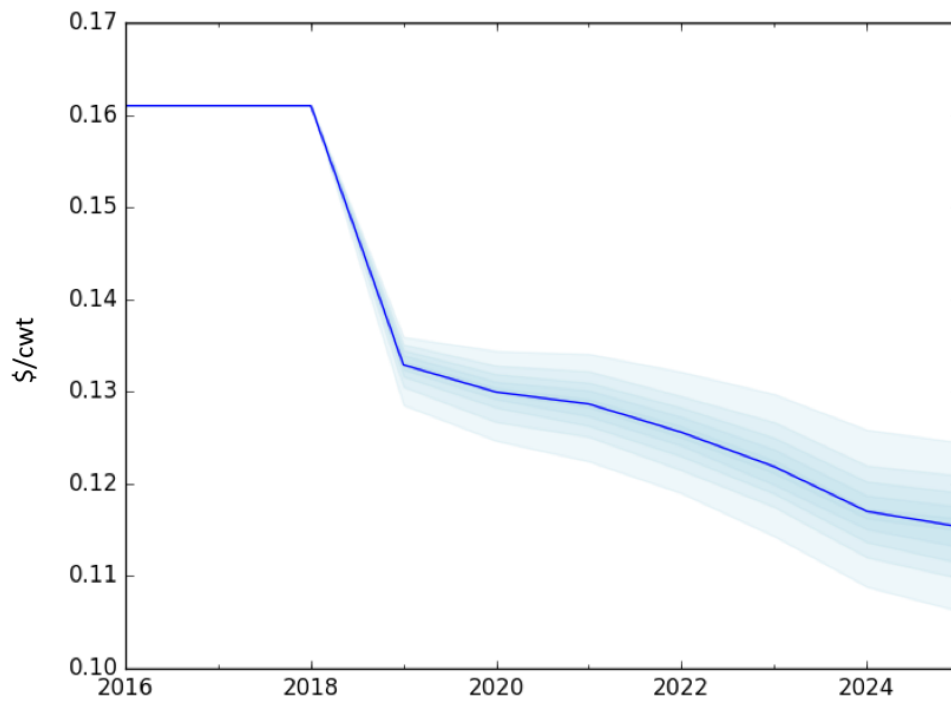


Figure 7. Current and Projected Reference Prices for Temperate Japonica Rice Including Confidence Bands.

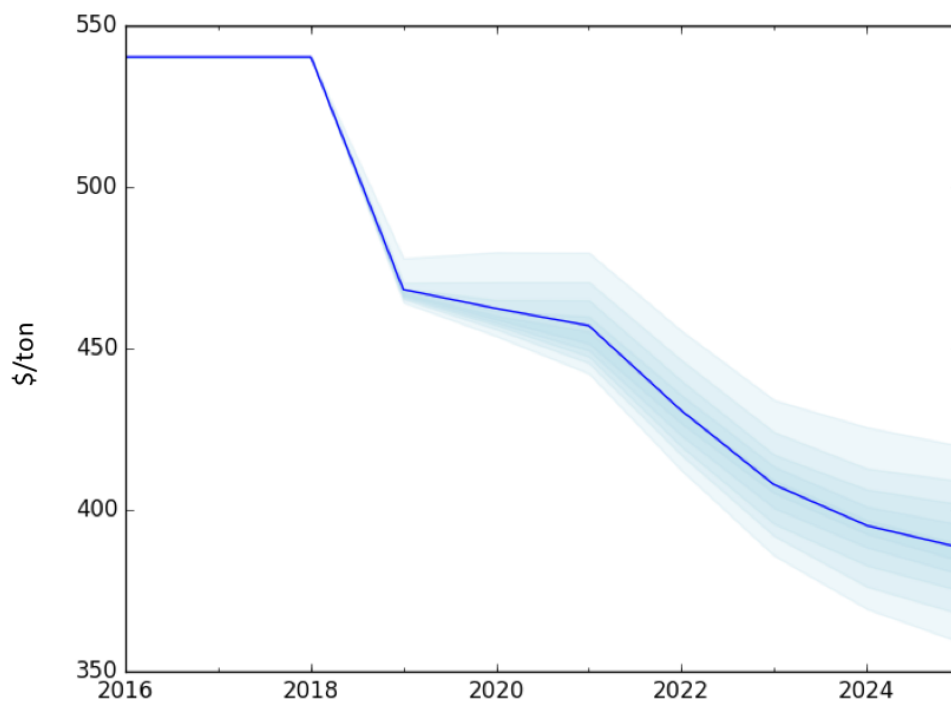


Figure 8. Current and Projected Reference Prices for Peanuts Including Confidence Bands.

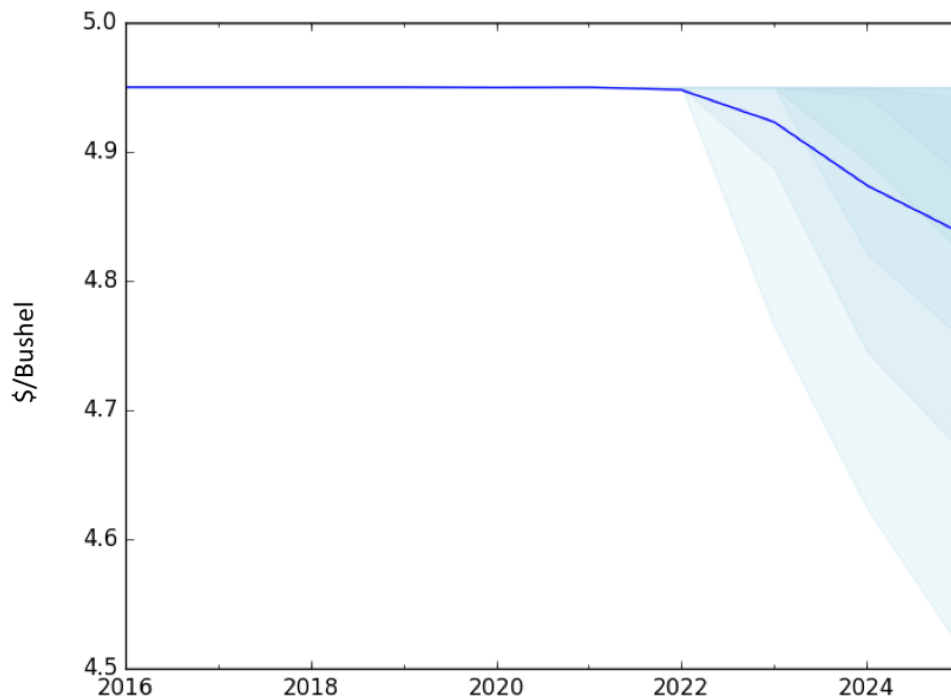


Figure 9. Current and Projected Reference Prices for Barley Including Confidence Bands.

Methodology

The analysis was conducted over the 2018 to 2025 planning horizon using AFPC's whole farm simulation model. The model incorporates the historical risk faced by farmers for prices and production so the safety net aspects of the bills can be compared. 2018 is the last year of the 2014 Farm Bill. Changes from the baseline occur in crop year 2019.

Data to simulate farming operations in the nation's major production regions came from two sources:

- Producer panel cooperation to develop economic information to describe and simulate representative crop farms located in major production regions across the United States (Figure 10). The representative farms are categorized by their primary source of receipts, i.e., feed grains and oilseeds, wheat, cotton, and rice. Information to describe and simulate these farms comes from a panel of farmers in each local area. The farm panels are reconvened frequently to update their farm's data. The representative farm database has been used for policy analysis for 30 years. Tables summarizing the physical and financial characteristics of each farm are included in Appendix A. The current crop mix, receipts, acreage, and assets for the farms are presented in the tables. 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. Additional information about the representative farms can be found in Richardson et al., 2018.

- Projected prices, policy variables, and input inflation rates are from the Food and Agricultural Policy Research Institute (FAPRI) January 2018 Baseline (Tables 3 and 4). For most farm policy analyses, FAPRI develops new sector-level estimates when the policy change is substantial enough to cause concern that relative prices among commodities may change. The authors assumed that any price impacts resulting from both allowing producers re-election of ARC or PLC and the provisions contained in the ARC-II Act would be minimal. For this analysis, the AFPC representative farms were simulated using the FAPRI January 2018 Baseline price projections for all scenarios.

Key Assumptions

- All farms classified as moderate scale are the size (acres) considered to be representative of the 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.
- Historical crop yields and prices (2013-2017) were based on actual values obtained from the producers. Crop yields for 2018-2025 were simulated stochastically based on the historical yields provided by the producers. FAPRI's January 2018 Baseline prices were localized for the farms and used as the average prices for 2018-2025 to simulate stochastic crop prices for the purposes of estimating crop receipts.



Figure 10. AFPC Representative Crop Farms.

- The Baseline and scenarios were analyzed with the 2014 Farm Bill provisions in place through 2025. The provisions of the ARC-II Act were assumed to begin in 2019 for the ARC-II analysis.
- No off-farm income, including family employment, was included in the analysis. Therefore, the results reflect only the ability of the farm to provide for family living and capital replacement.
- Each farm was assumed to start the analysis with 20% debt.
- All crop farms are assumed to carry crop insurance with products and coverage levels provided by the panel members as common to their area.
- All farms were assumed to have sufficient individuals associated with the operation so that payment limits would not be binding.

Scenarios Analyzed and Results

Detailed results covering annual government payments, ending cash at the end of 2025, and ending net worth at the end of 2025 for each of the 63 crop farms are contained in Appendix C for the following scenarios:

- **Baseline.** The current program baseline [2014 Farm Bill provisions and current agriculture risk coverage (ARC)/price loss coverage (PLC) commodity elections].
- **2014BaseRe-Elect.** The 2014 Farm Bill provisions assuming producers can change their elections between ARC and PLC in 2019. A county-level decision aid was used to determine the return-maximizing program elections for each crop and farm over the study period.
- **ARC-II.** The commodity program provisions contained in the ARC-II Act. A county-level decision aid was used to determine the return-maximizing program elections for each crop and farm over the study period.

Appendix D contains the current program choices along with the return-maximizing choices for the 2014BaseRe-Elect and ARC-II scenarios for all covered commodities on each of the representative farms. In general, PLC is relatively preferred by most commodities for the 2014BaseRe-Elect scenario with ARC preferred relatively more for corn and soybeans for the ARC-II scenario.

The results will focus on the average annual government payments for each of the representative farms over the 2018 to 2025 period. For the 2014BaseRe-Elect scenario, only program election changes were made to the farms; the ARC-II scenario would include program election changes along with policy changes resulting from implementing ARC-II provisions. The changes would impact the levels of government payments that would carry over to the other two financial measures (ending cash at the end of 2025 and ending net worth at the end of 2025). In some instances, even a small reduction in government payments can lead to the farm not cash flowing and necessitating increased borrowing on a farm. The increased borrowing then leads to much

larger reductions in ending cash and losses in net worth as the economic viability of the farm tends to spiral downward.

Figures 11-14 contain the projected average annual government payments over the 2018 to 2025 period under the Baseline and alternative scenarios for the 63 representative crop farms. The results for the feed grain farms indicate the 2014BaseRe-Elect alternative would be preferred to the Baseline for all 23 feed grain farms (Figure 11). This should not be surprising as the current ARC program is not expected to provide much support for feed grain farms and moving to PLC would be at least somewhat preferred by all farms. What is somewhat surprising is how close the projected government payments were between the 2014BaseRe-Elect and ARC-II scenarios. The ARC-II scenario would be preferred over the 2014BaseRe-Elect scenario by 9 of 23 feed grain farms. While the absolute differences are indicated in the figures, a deeper analysis of the differences yielded an average increase in government payments of \$1.79/base acre for the 9 farms that would prefer the ARC-II alternative.

In general, Figure 12 indicates that all of the 11 wheat farms would receive the highest projected payments under the 2014BaseRe-Elect scenario. However, the difference between the 2014BaseRe-Elect and ARC-II scenarios is relatively small for most farms. Two farms (MTW8000 and COW6000) are expected to receive the same government payments under the Baseline and 2014BaseRe-Elect scenarios indicating their current program choices would be the optimal going forward.

The results for the 14 cotton farms indicate all farms receive the most payments from the 2014BaseRe-Elect alternative (Figure 13). 11 of 14 farms are projected to receive the same government payments under the Baseline and 2014BaseRe-Elect scenarios. For most feed grain and wheat farms, the 2014BaseRe-Elect scenario is generally only slightly higher than the ARC-II scenario. However, the difference in payments between the two alternatives is over \$100,000 per year on the TXCB10000, ARNC5000, and GAC2500 farms.

The results for the 15 representative rice farms are much the same as for the wheat and cotton farms (Figure 14). The rice farms would receive the most safety net protection from the 2014BaseRe-Elect scenario. Relative to the size of the projected payments, the rice farms would be disadvantaged similar to the cotton farms by the ARC-II alternative.

Summary and Conclusions

AFPC's 63 representative crop farms were used to evaluate two alternatives to the current (2014 Farm Bill) program provisions. The 2014BaseRe-Elect scenario would allow producers to go through the program election process again and choose between ARC and PLC starting with the 2019 crop. Generally, this would be done to accommodate those who initially benefitted by their ARC selection but have seen the amount of protection provided by the program erode over time. The second alternative analyzed was the ARC-II scenario that evaluated the provisions contained in S. 2749. In general, ARC-II changed parameters of the ARC program that were expected to strengthen the ARC program as a safety net going forward, as well as, weakened the PLC program as a safety net by setting reference prices to the lower of the current statutory rates or the 10-year moving average of the most recent marketing year average prices.

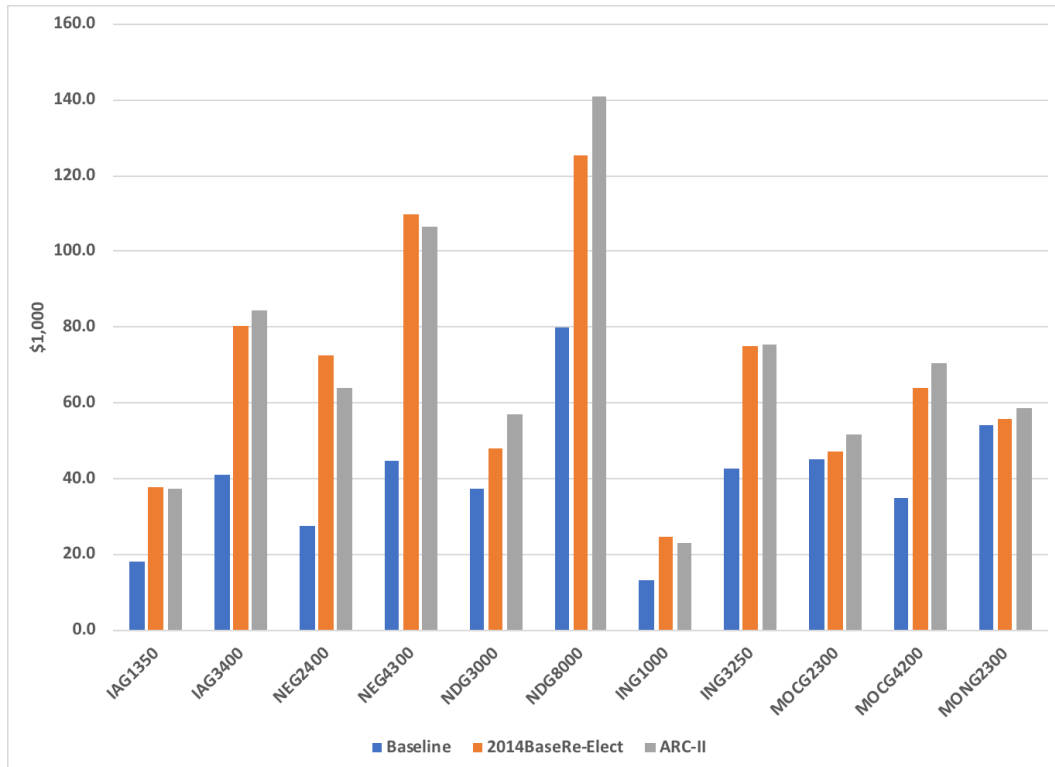


Figure 11. Average Annual Government Payments for AFPC Representative Feedgrain Farms Under Base and Alternative Scenarios, 2018-2025.

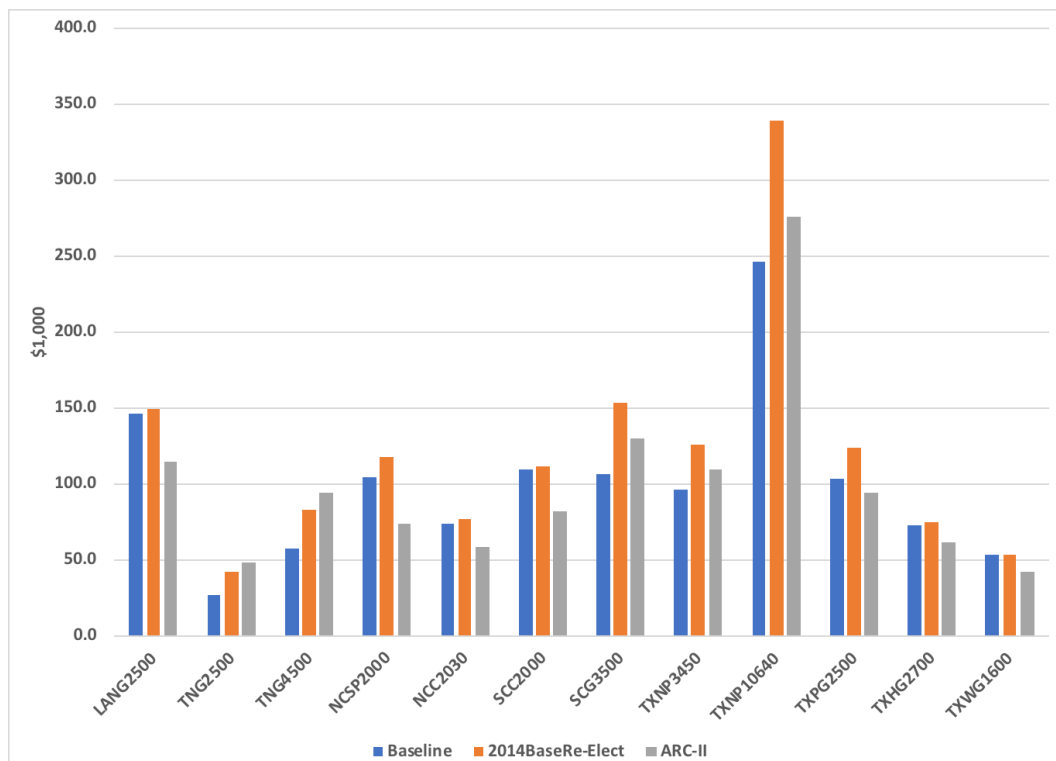


Figure 11. Continued. Average Annual Government Payments for AFPC Representative Feedgrain Farms Under Base and Alternative Scenarios, 2018-2025.

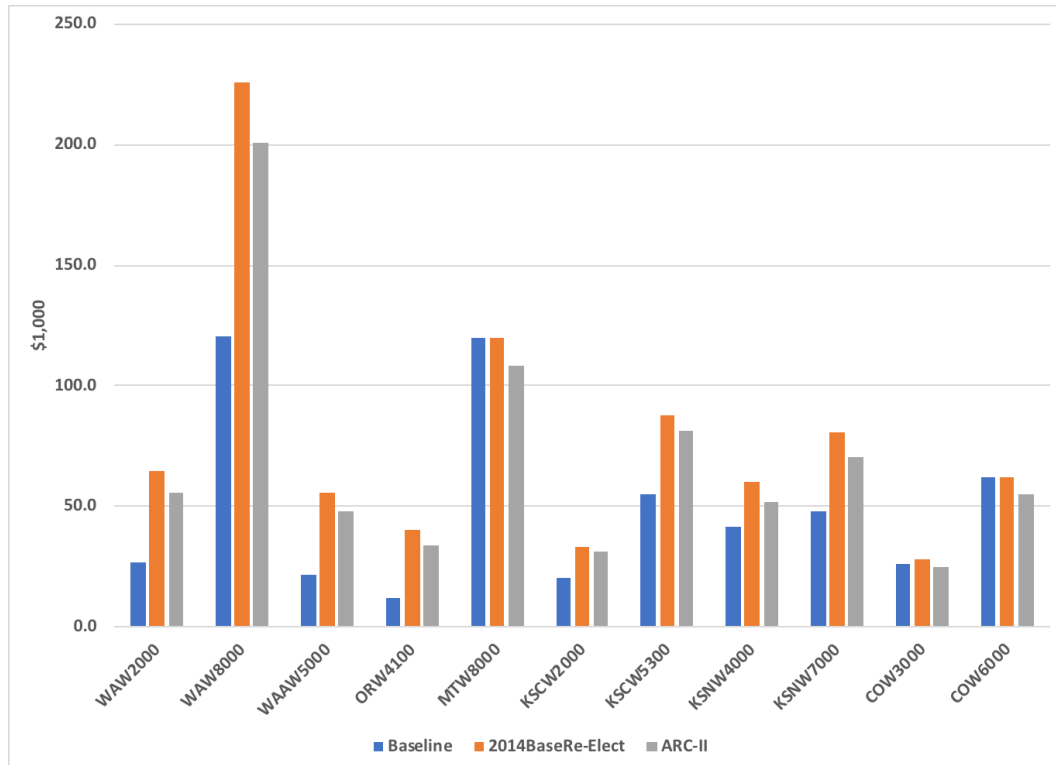


Figure 12. Average Annual Government Payments for AFPC Representative Wheat Farms Under Base and Alternative Scenarios, 2018-2025.

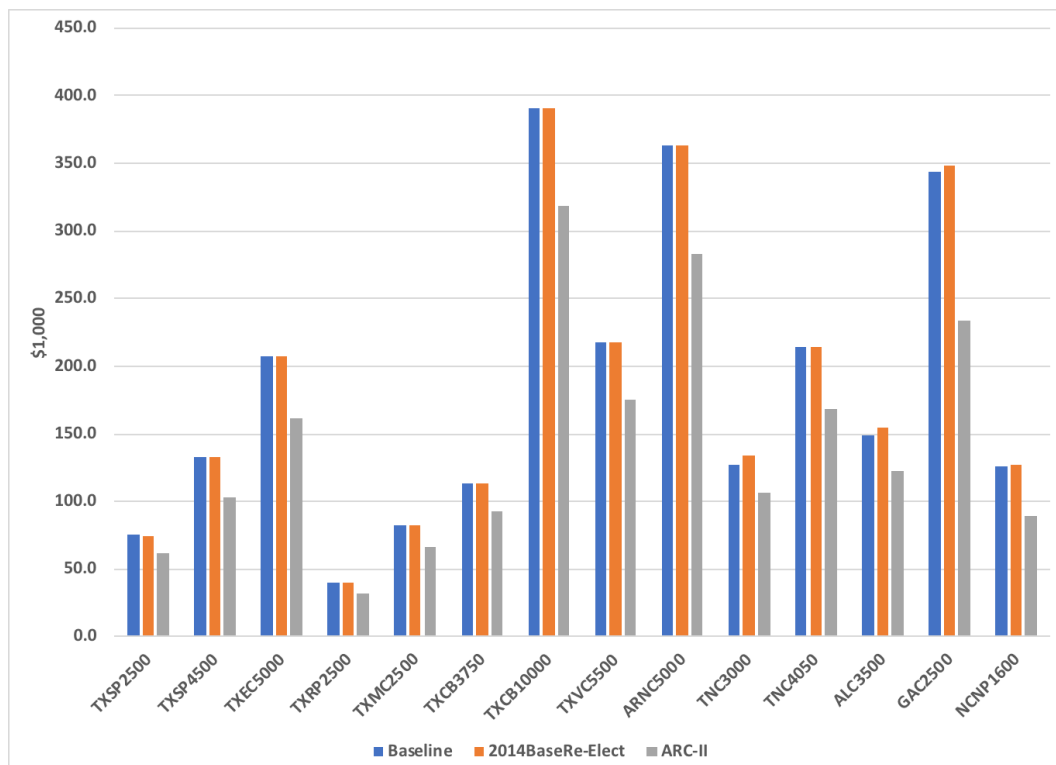


Figure 13. Average Annual Government Payments for AFPC Representative Cotton Farms Under Base and Alternative Scenarios, 2018-2025.

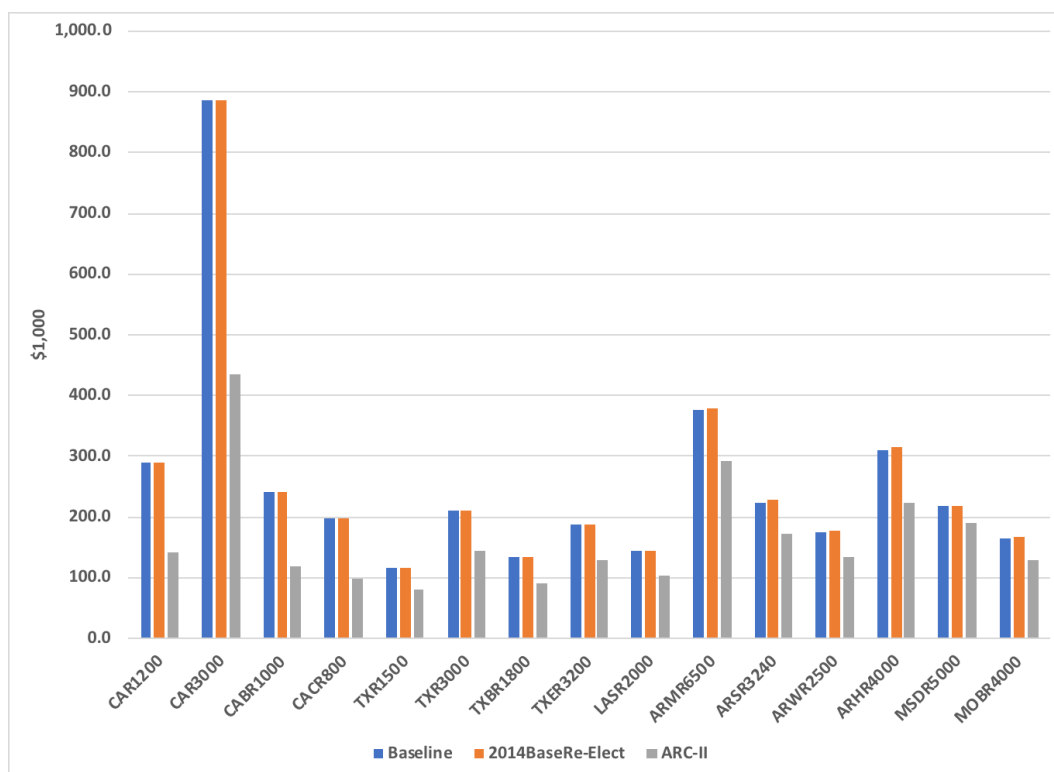


Figure 14. Average Annual Government Payments for AFPC Representative Rice Farms Under Base and Alternative Scenarios, 2018-2025.

Given the FAPRI 2018 Baseline commodity price forecast, the representative farm results indicate the changes proposed in the ARC-II Act provide only marginally improved safety net protection for feed grain producers relative to simply allowing producers to go through the election process again. The results for wheat, cotton, and rice farms were much more pronounced in favoring the re-election process.

What cannot be overstated is the amount of risk that would be imposed on all covered commodity producers that are counting on safety net protection from the PLC program if reference prices are capped at the lesser of the current statutory rates or the 10-year moving average of commodity prices as proposed in S. 2749. The current potential for substantial price declines resulting from trade disputes cannot be over emphasized, and this proposal would result in a substantial weakening of the safety net for those producers relying on PLC.

References

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Thune, Senator John (SD). "Thune-Brown Agriculture Risk Coverage Improvement and Innovation (ARC-II) Act Overview." Washington, DC: US Senate, 115th Congress, 2018. Retrieved from <https://www.thune.senate.gov/public/cache/files/e2812c35-5b3f-47ae-8fe9-79176d778486/D1D88A8A74FB75FA63C99E47FAE7EE18.the-final-final.pdf>

APPENDIX A:

**CHARACTERISTICS OF
REPRESENTATIVE FARMS**

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

	IAG1350	IAG3400	NEG2400	NEG4300	NDG3000	NDG8000	ING1000	ING3250	MOCG2300	MOCG4200
County	Webster	Webster	Dawson	Dawson	Barnes	Barnes	Shelby	Shelby	Carroll	Carroll
Total Cropland	1,350.00	3,400.00	2,400.00	4,300.00	3,000.00	8,000.00	1,000.00	3,250.00	2,300.00	4,200.00
Acres Owned	290.00	1,100.00	600.00	2,150.00	720.00	4,000.00	300.00	1,138.00	1,380.00	1,800.00
Acres Leased	1,060.00	2,300.00	1,800.00	2,150.00	2,280.00	4,000.00	700.00	2,112.00	920.00	2,400.00
Assets (\$1000)										
Total	3,299.00	11,421.00	5,447.00	18,565.00	3,647.00	22,867.00	2,577.00	9,575.00	11,385.00	14,819.00
Real Estate	2,573.00	9,760.00	3,904.00	14,837.00	2,497.00	18,358.00	2,090.00	8,041.00	10,203.00	12,421.00
Machinery	726.00	1,648.00	1,470.00	3,728.00	1,148.00	4,351.00	460.00	1,407.00	1,104.00	1,991.00
Other & Livestock	0.00	14.00	73.00	0.00	3.00	159.00	26.00	127.00	78.00	407.00
Debt/Asset Ratios										
Total	0.33	0.22	0.22	0.26	0.28	0.22	0.19	0.21	0.20	0.20
Intermediate	0.19	0.19	0.23	0.28	0.20	0.25	0.13	0.23	0.11	0.21
Long Run	0.21	0.19	0.22	0.21	0.22	0.20	0.21	0.21	0.20	0.20
2017 Gross Receipts (\$1,000)*										
Total	819.00	1,812.60	1,891.60	3,122.10	1,034.00	3,043.40	571.50	2,030.20	1,091.40	1,880.20
Corn	578.90	1,149.00	1,330.60	2,487.80	411.90	1,325.00	301.20	1,192.40	603.50	1,170.60
	0.71	0.63	0.70	0.80	0.40	0.44	0.53	0.59	0.55	0.62
Wheat	0.00	0.00	0.00	0.00	173.00	557.30	19.80	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.17	0.18	0.04	0.00	0.00	0.00
Soybeans	240.10	663.50	560.60	634.30	449.10	1,049.60	250.40	837.50	487.60	708.40
	0.29	0.37	0.30	0.20	0.43	0.35	0.44	0.41	0.45	0.38
Barley	0.00	0.00	0.00	0.00	0.00	93.20	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.40	0.00	0.00	18.40	0.10	0.20	0.30	1.20
	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
2017 Planted Acres**										
Total	1,350.00	3,400.00	2,400.00	4,000.00	3,100.00	8,000.00	1,050.00	3,250.00	2,300.00	4,200.00
Corn	880.00	1,870.00	1,600.00	3,000.00	1,000.00	3,000.00	475.00	1,625.00	1,150.00	2,310.00
	0.65	0.55	0.67	0.75	0.32	0.38	0.45	0.50	0.50	0.55
Wheat	0.00	0.00	0.00	0.00	500.00	1,500.00	50.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.16	0.19	0.05	0.00	0.00	0.00
Soybeans	470.00	1,530.00	800.00	1,000.00	1,500.00	3,000.00	525.00	1,625.00	1,150.00	1,890.00
	0.35	0.45	0.33	0.25	0.48	0.38	0.50	0.50	0.50	0.45
Barley	0.00	0.00	0.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
CRP	0.00	0.00	0.00	0.00	100.00	250.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00

*Receipts for 2017 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 2017 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 Table A2. Characteristics of Panel Farms Producing Feed Grains.

	MONG2300	LANG2500	TNG2500	TNG4500	NCSP2000	NCC2030	SCC2000	SCG3500	TXNP3450	TXNP10640
County	Nodaway	Madison	Gibson	Gibson	Bladen	Wayne	Orangeburg	Clarendon	Moore	Moore
Total Cropland	2,300.00	2,500.00	2,500.00	4,500.00	2,000.00	2,030.00	2,000.00	3,500.00	3,450.00	10,640.00
Acres Owned	1,610.00	500.00	375.00	1,125.00	700.00	225.00	550.00	1,400.00	2,590.00	3,511.00
Acres Leased	690.00	2,000.00	2,125.00	3,375.00	1,300.00	1,805.00	1,450.00	2,100.00	860.00	7,129.00
Assets (\$1000)										
Total	10,500.00	3,436.00	3,028.00	8,457.00	3,939.00	2,181.00	3,169.00	5,826.00	7,892.00	13,832.00
Real Estate	9,494.00	1,791.00	1,919.00	6,216.00	2,567.00	1,269.00	1,829.00	3,438.00	6,339.00	8,952.00
Machinery	878.00	1,645.00	1,067.00	1,924.00	1,365.00	597.00	1,091.00	2,094.00	1,110.00	3,369.00
Other & Livestock	128.00	0.00	43.00	318.00	8.00	315.00	249.00	294.00	443.00	1,510.00
Debt/Asset Ratios										
Total	0.19	0.31	0.20	0.18	0.23	0.12	0.18	0.20	0.18	0.16
Intermediate	0.18	0.26	0.18	0.20	0.12	0.07	0.18	0.23	0.23	0.18
Long Run	0.20	0.22	0.20	0.19	0.20	0.18	0.20	0.20	0.18	0.18
2017 Gross Receipts (\$1,000)*										
Total	1,440.00	1,696.50	1,179.70	2,772.30	1,354.10	1,210.90	1,488.10	2,719.80	2,063.00	6,535.00
Corn	654.60	460.80	433.70	918.10	666.00	270.80	509.40	847.60	1,373.10	2,845.50
	0.46	0.27	0.37	0.33	0.49	0.22	0.34	0.31	0.67	0.44
Wheat	0.00	0.00	219.70	228.60	0.00	106.90	57.30	36.60	394.40	218.50
	0.00	0.00	0.19	0.08	0.00	0.09	0.04	0.01	0.19	0.03
Soybeans	626.50	366.80	526.00	601.70	188.90	485.30	224.60	241.00	0.00	0.00
	0.44	0.22	0.45	0.22	0.14	0.40	0.15	0.09	0.00	0.00
Cotton	0.00	298.50	0.00	1,022.70	0.00	0.00	220.70	918.50	126.10	2,341.40
	0.00	0.18	0.00	0.37	0.00	0.00	0.15	0.34	0.06	0.36
Grain Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.30	1,129.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.17
Peanuts	0.00	0.00	0.00	0.00	499.20	0.00	369.30	670.60	0.00	0.00
	0.00	0.00	0.00	0.00	0.37	0.00	0.25	0.25	0.00	0.00
Rice	0.00	467.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hay	27.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cattle	119.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	11.40	102.60	0.30	1.20	0.00	347.80	106.90	5.50	0.20	0.70
	0.01	0.06	0.00	0.00	0.00	0.29	0.07	0.00	0.00	0.00
2017 Planted Acres**										
Total	2,750.00	2,500.00	3,250.00	5,062.50	2,000.00	2,030.00	2,200.00	3,500.00	3,105.00	9,931.00
Corn	1,125.00	750.00	875.00	1,687.50	1,100.00	450.00	650.00	1,200.00	1,430.00	4,000.00
	0.41	0.30	0.27	0.33	0.55	0.22	0.30	0.34	0.46	0.40
Wheat	0.00	0.00	750.00	562.50	0.00	330.00	200.00	0.00	1,170.00	713.00
	0.00	0.00	0.23	0.11	0.00	0.16	0.09	0.00	0.38	0.07
Soybeans	1,125.00	875.00	1,625.00	1,687.50	500.00	1,250.00	600.00	600.00	0.00	0.00
	0.41	0.35	0.50	0.33	0.25	0.62	0.27	0.17	0.00	0.00
Cotton	0.00	375.00	0.00	1,125.00	0.00	0.00	350.00	1,000.00	160.00	3,113.00
	0.00	0.15	0.00	0.22	0.00	0.00	0.16	0.29	0.05	0.31
Grain Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	345.00	2,105.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.21
Peanuts	0.00	0.00	0.00	0.00	400.00	0.00	400.00	700.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.20	0.00	0.18	0.20	0.00	0.00
Rice	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hay	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRP	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pasture	430.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*Receipts for 2017 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 2017 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 Table A3. Characteristics of Panel Farms Producing Feed Grains.

	TXPG2500	TXHG2700	TXWG1600
County	Deaf Smith	Hill	Williamson
Total Cropland	2,500.00	2,700.00	1,600.00
Acres Owned	1,875.00	400.00	150.00
Acres Leased	625.00	2,300.00	1,450.00
Assets (\$1000)			
Total	5,561.00	1,654.00	1,420.00
Real Estate	3,549.00	900.00	998.00
Machinery	1,791.00	754.00	422.00
Other & Livestock	220.00	0.00	0.00
Debt/Asset Ratios			
Total	0.22	0.33	0.26
Intermediate	0.29	0.14	0.14
Long Run	0.19	0.21	0.20
2017 Gross Receipts (\$1,000)*			
Total	1,765.30	780.50	559.30
Corn	990.30	323.50	199.70
	0.56	0.42	0.36
Wheat	161.80	126.10	28.80
	0.09	0.16	0.05
Cotton	523.30	139.00	199.50
	0.30	0.18	0.36
Grain Sorghum	17.70	145.40	82.90
	0.01	0.19	0.15
Cattle	0.00	29.80	24.90
	0.00	0.04	0.05
Other	72.20	16.80	23.40
	0.04	0.02	0.04
2017 Planted Acres**			
Total	2,500.00	3,000.00	1,600.00
Corn	1,000.00	1,400.00	800.00
	0.40	0.47	0.50
Wheat	534.00	700.00	100.00
	0.21	0.23	0.06
Cotton	783.00	300.00	400.00
	0.31	0.10	0.25
Grain Sorghum	183.00	300.00	300.00
	0.07	0.10	0.19
Pasture	0.00	300.00	0.00
	0.00	0.10	0.00

*Receipts for 2017 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 2017 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 Table A4. Characteristics of Panel Farms Producing Wheat.

	WAW2000	WAW8000	WAAW5000	ORW4100	MTW8000	KSCW2000	KSCW5300	KSNW4000	KSNW7000	COW3000	COW6000
County	Whitman	Whitman	Adams	Morrow	Chouteau	Sumner	Sumner	Thomas	Thomas	Washington	Washington
Total Cropland	2,000.00	8,000.00	5,000.00	4,100.00	8,000.00	2,000.00	5,300.00	4,000.00	7,000.00	3,000.00	6,000.00
Acres Owned	800.00	2,310.00	2,500.00	1,600.00	4,200.00	700.00	1,325.00	1,170.00	2,100.00	2,100.00	3,000.00
Acres Leased	1,200.00	5,690.00	2,500.00	2,500.00	3,800.00	1,300.00	3,975.00	2,830.00	4,900.00	900.00	3,000.00
Assets (\$1000)											
Total	2,162.00	10,622.00	2,161.00	1,300.00	6,199.00	2,626.00	5,533.00	3,763.00	7,207.00	3,781.00	5,972.00
Real Estate	1,632.00	7,244.00	1,599.00	857.00	4,574.00	1,791.00	3,648.00	2,873.00	5,265.00	3,452.00	4,581.00
Machinery	344.00	3,280.00	542.00	443.00	1,327.00	614.00	1,480.00	877.00	1,881.00	330.00	1,391.00
Other & Livestock	186.00	98.00	21.00	0.00	298.00	221.00	404.00	13.00	61.00	0.00	0.00
Debt/Asset Ratios											
Total	0.17	0.18	0.18	0.28	0.20	0.16	0.18	0.20	0.22	0.22	0.25
Intermediate	0.12	0.09	0.05	0.01	0.26	0.10	0.18	0.16	0.26	0.16	0.11
Long Run	0.19	0.19	0.20	0.20	0.19	0.20	0.20	0.19	0.19	0.19	0.20
2017 Gross Receipts (\$1,000)*											
Total	794.60	3,333.60	566.80	456.40	1,448.20	752.40	1,822.10	730.80	1,582.00	361.00	820.40
Corn	0.00	0.00	0.00	0.00	0.00	174.50	561.60	284.80	1,049.20	117.50	184.40
	0.00	0.00	0.00	0.00	0.00	0.23	0.31	0.39	0.66	0.33	0.23
Wheat	586.10	2,282.60	552.10	416.40	1,046.70	148.50	444.40	262.70	253.60	234.60	469.90
	0.74	0.69	0.97	0.91	0.72	0.20	0.24	0.36	0.16	0.65	0.57
Soybeans	0.00	0.00	0.00	0.00	0.00	243.80	785.30	0.00	70.90	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.32	0.43	0.00	0.05	0.00	0.00
Cotton	0.00	0.00	0.00	0.00	0.00	176.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00
Grain Sorghum	0.00	0.00	0.00	0.00	0.00	8.60	29.30	177.20	200.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.24	0.13	0.00	0.00
Barley	21.90	0.00	0.00	0.00	68.20	0.00	0.00	0.00	0.00	0.00	0.00
	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Millet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
Dry Peas	182.60	1,004.20	0.00	0.00	321.80	0.00	0.00	0.00	0.00	0.00	0.00
	0.23	0.30	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
Other	4.00	46.80	14.70	40.00	11.50	0.80	1.50	6.10	8.20	9.00	0.00
	0.01	0.01	0.03	0.09	0.01	0.00	0.00	0.01	0.01	0.03	0.00
2017 Planted Acres**											
Total	2,000.00	7,600.00	2,700.00	2,150.00	4,800.00	2,600.00	7,327.00	3,000.00	6,300.00	1,987.50	4,000.00
Corn	0.00	0.00	0.00	0.00	0.00	500.00	1,590.00	1,200.00	3,770.00	675.00	1,000.00
	0.00	0.00	0.00	0.00	0.00	0.19	0.22	0.40	0.60	0.34	0.25
Wheat	1,320.00	4,950.00	2,300.00	2,150.00	3,840.00	800.00	2,385.00	1,200.00	1,700.00	1,012.50	2,000.00
	0.66	0.65	0.85	1.00	0.80	0.31	0.33	0.40	0.27	0.51	0.50
Soybeans	0.00	0.00	0.00	0.00	0.00	1,100.00	3,352.00	0.00	130.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.42	0.46	0.00	0.02	0.00	0.00
Cotton	0.00	0.00	0.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
Grain Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	600.00	700.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.11	0.00	0.00
Barley	140.00	0.00	0.00	0.00	240.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.07	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Millet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,000.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
Dry Peas	540.00	2,400.00	0.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.27	0.32	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
CRP	0.00	250.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	300.00	0.00
	0.00	0.03	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00

*Receipts for 2017 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 2017 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 Table A5. Characteristics of Panel Farms Producing Cotton.

	TXSP2500	TXSP4500	TXEC5000	TXRP2500	TXMC2500	TXCB3750	TXCB10000	TXVC5500	ARNC5000	TNC3000
County	Dawson	Dawson	Crosby	Jones	Wharton	San Patricio	Nueces	Willacy	Mississippi	Fayette
Total Cropland	2,500.00	4,500.00	5,000.00	2,500.00	2,500.00	3,750.00	10,000.00	5,500.00	5,000.00	3,000.00
Acres Owned	500.00	900.00	1,000.00	875.00	180.00	600.00	1,500.00	1,750.00	1,000.00	300.00
Acres Leased	2,000.00	3,600.00	4,000.00	1,625.00	2,320.00	3,150.00	8,500.00	3,750.00	4,000.00	2,700.00
Assets (\$1000)										
Total	1,351.00	3,099.00	3,667.00	1,475.00	2,029.00	2,820.00	8,457.00	6,652.00	9,765.00	2,075.00
Real Estate	435.00	989.00	1,344.00	1,074.00	738.00	1,500.00	4,500.00	4,835.00	5,628.00	940.00
Machinery	713.00	1,777.00	1,915.00	197.00	1,291.00	1,050.00	2,541.00	1,351.00	3,318.00	771.00
Other & Livestock	203.00	333.00	407.00	204.00	0.00	269.00	1,416.00	466.00	819.00	364.00
Debt/Asset Ratios										
Total	0.16	0.17	0.17	0.16	0.51	0.19	0.18	0.19	0.17	0.15
Intermediate	0.19	0.17	0.18	0.08	0.27	0.22	0.24	0.19	0.17	0.15
Long Run	0.20	0.20	0.20	0.19	0.22	0.21	0.20	0.21	0.19	0.21
2017 Gross Receipts (\$1,000)*										
Total	850.50	1,818.80	2,105.50	535.80	1,497.70	1,925.20	5,829.00	2,992.10	3,977.10	1,690.10
Corn	0.00	0.00	0.00	0.00	254.60	63.30	450.30	62.20	288.50	450.90
	0.00	0.00	0.00	0.00	0.17	0.03	0.08	0.02	0.07	0.27
Wheat	0.00	64.60	17.40	105.70	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.04	0.01	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	459.60	537.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.32
Cotton	457.60	1,570.50	2,011.90	377.30	1,033.30	1,222.00	3,939.90	1,118.00	2,097.00	659.40
	0.54	0.86	0.96	0.70	0.69	0.64	0.68	0.37	0.53	0.39
Grain Sorghum	50.90	0.00	59.50	0.00	129.10	575.40	1,264.30	886.20	0.00	0.00
	0.06	0.00	0.03	0.00	0.09	0.30	0.22	0.30	0.00	0.00
Peanuts	187.50	179.50	0.00	0.00	0.00	0.00	0.00	0.00	955.70	0.00
	0.22	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00
Rice	0.00	0.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Cattle	0.00	0.00	0.00	29.30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Other	154.40	4.10	16.70	23.50	66.70	64.50	174.50	925.80	176.20	41.90
	0.18	0.00	0.01	0.04	0.05	0.03	0.03	0.31	0.04	0.03
2017 Planted Acres**										
Total	2,500.00	4,167.00	5,000.00	2,500.00	2,410.00	3,750.00	10,000.00	5,250.00	5,000.00	3,000.00
Corn	0.00	0.00	0.00	0.00	655.00	187.50	1,500.00	150.00	500.00	800.00
	0.00	0.00	0.00	0.00	0.27	0.05	0.15	0.03	0.10	0.27
Wheat	0.00	225.00	300.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.05	0.06	0.40	0.00	0.00	0.00	0.00	0.00	0.00
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,000.00	1,375.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.46
Cotton	1,297.50	3,717.00	4,400.00	1,500.00	1,455.00	1,687.50	4,500.00	1,890.00	2,500.00	825.00
	0.52	0.89	0.88	0.60	0.60	0.45	0.45	0.36	0.50	0.28
Grain Sorghum	500.00	0.00	300.00	0.00	300.00	1,875.00	4,000.00	3,210.00	0.00	0.00
	0.20	0.00	0.06	0.00	0.12	0.50	0.40	0.61	0.00	0.00
Peanuts	702.50	225.00	0.00	0.00	0.00	0.00	0.00	0.00	1,000.00	0.00
	0.28	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00

*Receipts for 2017 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 2017 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 Table A6. Characteristics of Panel Farms Producing Cotton.

	TNC4050	ALC3500	GAC2500	NCNP1600
County	Haywood	Lawrence	Decatur	Edgecombe
Total Cropland	4,050.00	3,500.00	2,500.00	1,600.00
Acres Owned	1,000.00	350.00	1,250.00	600.00
Acres Leased	3,050.00	3,150.00	1,250.00	1,000.00
Assets (\$1000)				
Total	5,896.00	4,174.00	9,784.00	3,488.00
Real Estate	3,837.00	2,149.00	7,506.00	2,420.00
Machinery	1,816.00	1,579.00	1,533.00	1,068.00
Other & Livestock	243.00	446.00	746.00	0.00
Debt/Asset Ratios				
Total	0.17	0.20	0.19	0.25
Intermediate	0.14	0.21	0.25	0.20
Long Run	0.19	0.24	0.19	0.19
2017 Gross Receipts (\$1,000)*				
Total	2,450.00	2,416.50	3,132.00	1,085.60
Corn	305.50	555.30	432.60	59.90
	0.13	0.23	0.14	0.06
Wheat	283.80	419.10	0.00	0.00
	0.12	0.17	0.00	0.00
Soybeans	703.80	518.00	0.00	224.60
	0.29	0.21	0.00	0.21
Cotton	1,085.70	787.80	1,172.60	414.30
	0.44	0.33	0.37	0.38
Peanuts	0.00	0.00	1,125.80	319.50
	0.00	0.00	0.36	0.29
Cattle	0.00	0.00	115.40	0.00
	0.00	0.00	0.04	0.00
Other	71.10	136.40	285.60	67.20
	0.03	0.06	0.09	0.06
2017 Planted Acres**				
Total	4,750.00	4,375.00	2,750.00	1,600.00
Corn	550.00	1,050.00	450.00	160.00
	0.12	0.24	0.16	0.10
Wheat	750.00	875.00	0.00	0.00
	0.16	0.20	0.00	0.00
Soybeans	1,950.00	1,400.00	0.00	560.00
	0.41	0.32	0.00	0.35
Cotton	1,500.00	1,050.00	1,250.00	560.00
	0.32	0.24	0.46	0.35
Peanuts	0.00	0.00	800.00	320.00
	0.00	0.00	0.29	0.20
Pasture	0.00	0.00	250.00	0.00
	0.00	0.00	0.09	0.00

*Receipts for 2017 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 2017 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 Table A7. Characteristics of Panel Farms Producing Rice.

	CAR1200	CAR3000	CABR1000	CACR800	TXR1500	TXR3000	TXBR1800	TXER3200	LASR2000	ARMR6500
County	Sutter	Sutter	Butte	Colusa	Colorado	Colorado	Matagorda	Wharton	Acadia	Desha
Total Cropland	1,200.00	3,000.00	1,000.00	800.00	1,500.00	3,000.00	1,800.00	3,200.00	2,000.00	6,500.00
Acres Owned	275.00	900.00	400.00	240.00	405.00	0.00	0.00	480.00	200.00	1,200.00
Acres Leased	925.00	2,100.00	600.00	560.00	1,095.00	3,000.00	1,800.00	2,720.00	1,800.00	5,300.00
Assets (\$1000)										
Total	3,675.00	13,512.00	5,551.00	3,322.00	2,012.00	1,009.00	751.00	2,253.00	1,948.00	7,645.00
Real Estate	2,533.00	10,591.00	4,093.00	2,947.00	1,114.00	0.00	0.00	1,440.00	700.00	4,992.00
Machinery	1,025.00	2,756.00	1,423.00	375.00	897.00	1,009.00	724.00	813.00	1,078.00	2,559.00
Other & Livestock	117.00	165.00	36.00	0.00	1.00	1.00	27.00	0.00	170.00	94.00
Debt/Asset Ratios										
Total	0.17	0.21	0.19	0.25	0.18	0.26	0.18	0.29	0.29	0.23
Intermediate	0.16	0.24	0.18	0.08	0.15	0.21	0.13	0.07	0.25	0.21
Long Run	0.19	0.19	0.19	0.20	0.20	0.00	0.00	0.20	0.42	0.21
2017 Gross Receipts (\$1,000)*										
Total	1,830.90	5,195.40	1,622.00	1,286.00	979.30	1,956.70	1,119.50	1,509.40	1,632.20	4,482.20
Corn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,203.40
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.40	122.00	2,378.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.53
Rice	1,830.60	5,195.40	1,622.00	1,286.00	969.30	1,951.70	1,119.50	1,416.00	1,125.30	809.90
	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.94	0.69	0.18
Other	0.30	0.00	0.00	0.00	10.00	5.00	0.00	0.00	385.00	90.30
	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.24	0.02
2017 Planted Acres**										
Total	1,200.00	3,000.00	1,000.00	800.00	600.00	1,500.00	600.00	1,317.00	1,300.00	6,500.00
Corn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,950.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
Soybeans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250.00	300.00	3,900.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.23	0.60
Rice	1,200.00	3,000.00	1,000.00	800.00	600.00	1,500.00	600.00	1,067.00	1,000.00	650.00
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.81	0.77	0.10

*Receipts for 2017 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 2017 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 Table A8. Characteristics of Panel Farms Producing Rice.

	ARSR3240	ARWR2500	ARHR4000	MSDR5000	MOBR4000
County	Arkansas	Cross	Lawrence	Bolivar	Pemiscot
Total Cropland	3,240.00	2,500.00	4,000.00	5,000.00	4,000.00
Acres Owned	648.00	1,250.00	1,000.00	3,000.00	1,000.00
Acres Leased	2,592.00	1,250.00	3,000.00	2,000.00	3,000.00
Assets (\$1000)					
Total	4,879.00	7,409.00	6,314.00	17,105.00	9,358.00
Real Estate	3,183.00	5,757.00	5,200.00	13,309.00	6,309.00
Machinery	1,660.00	1,653.00	1,114.00	3,205.00	3,044.00
Other & Livestock	36.00	0.00	0.00	592.00	4.00
Debt/Asset Ratios					
Total	0.22	0.23	0.22	0.20	0.27
Intermediate	0.16	0.22	0.15	0.23	0.29
Long Run	0.22	0.18	0.22	0.20	0.21
2017 Gross Receipts (\$1,000)*					
Total	2,455.60	1,753.90	3,200.10	3,750.50	2,334.00
Corn	190.10	0.00	132.90	0.00	417.20
	0.08	0.00	0.04	0.00	0.18
Wheat	16.90	0.00	0.00	0.00	0.00
	0.01	0.00	0.00	0.00	0.00
Soybeans	643.10	526.70	688.70	2,100.70	650.20
	0.26	0.30	0.22	0.56	0.28
Rice	1,605.60	1,227.30	2,378.40	1,648.00	1,266.60
	0.65	0.70	0.74	0.44	0.54
Other	0.00	0.00	0.00	1.80	0.00
	0.00	0.00	0.00	0.00	0.00
2017 Planted Acres**					
Total	3,240.00	2,500.00	4,000.00	5,000.00	4,000.00
Corn	324.00	0.00	200.00	0.00	880.00
	0.10	0.00	0.05	0.00	0.22
Soybeans	1,458.00	1,250.00	1,400.00	3,333.00	1,800.00
	0.45	0.50	0.35	0.67	0.45
Rice	1,458.00	1,250.00	2,400.00	1,667.00	1,320.00
	0.45	0.50	0.60	0.33	0.33

*Receipts for 2017 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 2017 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

APPENDIX B:

**LIST OF PANEL FARM
COOPERATORS**

FEED GRAIN FARMS

Indiana

Facilitators

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

Panel Participants

Mr. David Brown	Mr. Kevin Carson
Mr. Gary Everhart	Mr. Richard Fix
Mr. Jason & Dan Foltz	Ms. Carmen Hawk
Mr. Darrell Linville	Mr. Mark Nigh
Mr. Gary Robards	Mr. Ken Simpson
Mr. Michael Steinbarger	Mr. Doug Theobald
Mr. Keith Theobald	Mr. Jeremy Weaver

Iowa

Facilitators

Mr. Jerry Chizek - County Extension Director, Webster County

Panel Participants

Mr. Robert Anderson	Mr. Brad Black
Mr. Dean Black	Mr. Perry Black
Mr. A.J. Blair	Mr. Brian Carver
Mr. Jason Carver	Mr. and Mrs. Jim Carver
Mr. Kevin Carver	Mr. George Groves
Mr. Neall Hoefing	Mr. T.H. Hoefing
Mr. Gregg Hora	Mr. Larry Lane
Mr. Tyler Lane	Mr. Todd Lundgren
Mr. Jay Lynch	Mr. Robert Lynch
Mr. William Secor	Mr. Doug Stanek
Mr. Jason Stanek	Mr. Loren Wuebker

Missouri - Central

Facilitators

Mr. Parman Green

Panel Participants

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

Missouri - Northwest

Facilitators

Mr. Peter Zimmer - FAPRI, University of Missouri

Panel Participants

Mr. Terry Ecker	Mr. Curtis Lewis
Mr. Russell Miller	Mr. Matt Rosenbohm
Mr. Nick Rosenbohm	Mr. Andrew Stoll

FEED GRAIN FARMS (CONTINUED)

Nebraska - Central

Facilitators

Mr. Bruce Treffer - Extension Educator, Dawson County

Panel Participants

Mr. Jim Aden

Mr. Bart Beattie

Mr. Greg Hueftle

Mr. Tim Maline

Mr. Scott McPheeters

Mr. Dave Rowe

Mr. Dan Strauss

Mr. Rob Anderson

Mr. Jeremy Geiger

Mr. Pat Luther

Mr. Clark McPheeters

Mr. Rod Reynolds

Mr. Paul Stieb

North Dakota

Facilitators

Dr. Dwight Aakre - Extension Associate-Farm Management, North Dakota State University

Mr. Randy Grueneich - County Extension Agent, North Dakota State University

Panel Participants

Mr. John Robert Anderson Jr.

Mr. Jim Broten

Mr. Mike Clemens

Mr. Leland Guscette

Mr. Jason Haugen

Mr. Anthony Thilmony

Mr. Eric Broten

Mr. Wade Bruns

Mr. Mark Formo

Mr. Rob Hanson

Mr. Greg Shanenko

Mr. Arvid Winkler

South Carolina

Facilitators

Mr. Scott Mickey

Dr. Nathan Smith

Panel Participants

Ms. Vikki Brogdon

Mr. Harry DuRant

Mr. Jason Gamble

Mr. Barry Hutto

Mr. John Michael Parimuha

Mr. Chris Cogdill

Mr. Sam DuRant

Mr. Steven Gamble

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. Randy Boals

Mr. Daniel Graves

Mr. Todd Littleton

Mr. D. Mark McGill

Mr. John Parrish

Mr. Seth Taylor

Mr. Kenneth Barnes

Mr. John Chester

Mr. Charles King

Mr. Jason Luckey

Mr. Ben Moore

Mr. Eric Partee

Mr. James Wall

FEED GRAIN FARMS (CONTINUED)

Texas - Northern Blackland Prairie

Facilitators

Mr. Zach Davis - County Extension Agent, Hill County

Panel Participants

Mr. Justin Kaska

Mr. Chad Radke

Mr. John Sawyer

Mr. Aaron Walters

Texas - Northern High Plains

Facilitators

Dr. Steve Amosson - Extension Economist - Management, Texas A&M University

Mr. Marcel Fischbacher - County Extension Agent, Moore County

Panel Participants

Mr. Kerry Cartrite

Mr. Tommy Cartrite

Mr. Brent Clark

Mr. Justin Garrett

Mr. Kelly Hays

Mr. Casey Kimbrell

Mr. Tom Moore

Mr. H.D. Morton

Mr. Stan Spain

Mr. Wesley Spurlock

Mr. Darren Stallwitz

Mr. Dee Vaughan

Mr. Willie Wieck

Ms. Linda Williams

Texas - Panhandle

Facilitators

Mr. Rick Auckerman - County Extension Agent, Texas Cooperative Extension

Panel Participants

Mr. Michael Carlson

Mr. Roy Carlson

Mr. Greg Chavez

Mr. Steve Hoffman

Mr. Bob Meyer

Mr. Tom Schlabs

Texas - Southern Blackland Prairie

Facilitators

Mr. Cooper Terrill - County Extension Agent, Williamson County

Panel Participants

Mr. Terry Pekar

Mr. Herbert Raesz

Mr. Ken Seggern

Texas - Southwest

Facilitators

Mr. Samantha Korzekwa - County Extension Agent, Uvalde County

Panel Participants

Mr. Jimmy Carnes

Mr. Ralph Hesse

Mr. Mark Landry

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. David Foy

Mr. William Harman

Mr. Terry Kuntz

Mr. Dave Lillich

Ms. Sara Olsen

Mr. Craig Saxton

Mr. Harlan Schaffert

Mr. John Wright

Mr. Ward Deering

Mr. Dale Hansen

Mr. Barry Hinkhouse

Mr. Shane Leoffler

Mr. Max Olsen

Mr. Ken Remington

Mr. Calvin Schaffert

Mr. Dave Wagers

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

Rich Calliham

Mr. Sam Crouse

Mr. Lee Juenemann

Mr. Lance Leebrick

Mr. Steve Busse

Mr. Richard Calliham

Mr. Aaron Horinek

Mr. Brian Laufer

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. Doug Hiskin

Mr. Kent Ott

Mr. Mike Slack

Troy & Julia Strnad

Mr. Robert White

Mr. Dennis Gruenbacher

Mr. Aaron Lange

Mr. Steve Schmidt

Mr. Nick Steffen

Mr. Tim Turek

Montana - North Central

Facilitators

Mr. Lochiel Edwards

Panel Participants

Mr. Darin Arganbright

Mr. Duane Beirwagen

Mr. Dan Works

Mr. Steve Bahnmler

Mr. Will Roehm

WHEAT FARMS (CONTINUED)

Oregon - North Central

Facilitators

Jon Farquharson

Panel Participants

Mr. Dana Heideman

Mr. Joe McElligott

Mr. Eric Orem

Mr. Tim and Shannon Rust

Mr. Bill Jepsen

Mr. Craig Miles

Mrs. Shannon Rust

Washington

Facilitators

Mr. Aaron Esser - County Director, WSU Extension

Panel Participants

Mr. Dan Hille

Mr. Mike Miller

Mr. Tim Smith

Mr. Steve Taylor

Mr. Ron Jirava

Mr. Travis Simonson

Mr. Traven Smith

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. Gavin Clark

Mr. Aaron Gfeller

Ms. Kenda Hergert

Mr. Brian Largent

Mr. Michael Largent

Ms. Amy McKay

Mr. Bruce Nelson

Mr. Steve Teade

Mr. Asa Clark

Mr. Scot Cocking

Mr. David Harlow

Mr. Dean Kinzer

Mr. Gary Largent

Mr. Steve Mader

Mr. Clark Miller

Mr. David Swannack

Mr. Jon Whitman

COTTON FARMS

Alabama

Panel Participants

Mr. James Blythe
Mr. Jarred Darnell
Mr. William Lee

Mr. Paul Clark
Dr. Steve Ford
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. Todd Edwards
Mr. Justin Hawkins
Mr. David Wildy

Mr. Heath Donner
Mr. Cole Hawkins
Mr. Kenny Jackson

Georgia - Southwest

Facilitators

Dr. Don Shurley - Professor/Economist - Cotton, University of Georgia
Mr. Ty Torrance - County Extension Coordinator, Decatur County

Panel Participants

Mr. Andy Bell
Mr. Greg Mims
Mr. Brad Thompson

Mr. Jerry Jones
Mr. Willard Mims
Mr. Raymond Thompson

North Carolina

Facilitators

Dr. Blake Brown
Mr. Gary Bullen
Mr. Kevin Johnson - County Extension Director, Wayne County
Mr. Tyler Whaley - County Extension Agent

Panel Participants

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

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

South Carolina

Facilitators

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

Panel Participants

Mr. Jimmie Griner
Mr. John McLaurin
Mr. Landrum Weathers

Mr. Dean Hutto
Mr. David Tindal

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. Chuck Dacus
Mr. R. Morris English, Jr.	Mr. Willie German
Mr. Lee Graves	Mr. Dewayne Hendrix
Mr. Ed Karcher	Mr. Rob Karcher
Mr. Allen King	Mr. John King
Mr. Travis Lonon	Mr. Kinney McRae
Mr. Hassell Smith	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
Mr. Mac Young - Extension Specialist-Risk Management, Texas AgriLife Extension

Panel Participants

Mr. Travis Adams	Mr. Marvin Beyer, Jr.
Mr. Colin Chopelas	Mr. Jimmy Dodson
Mr. Jon Gwynn	Mr. Darrell Lawhon
Mr. Larry McNair	Mr. Andrew Miller
Mr. Toby Robertson	Mr. Darby Salge
Mr. David Weaver	Mr. Jon Whatley

Texas - Eastern Caprock

Facilitators

Ms. Caitlin Jackson

Panel Participants

Mr. Lloyd Arthur	Mr. Brooks Ellison
Mr. Marvin Schoepf	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. Duane Lutringer
Mr. Cedric Popp	Mr. Michael Popp
Mr. Darrell Schoeneberg	Mr. Mike Watz

COTTON FARMS (CONTINUED)

Texas - Rio Grande Valley

Facilitators

Mr. Matthew Rodriguez - County Extension Agent

Panel Participants

Mr. Gary Busse

Mr. Joe Pennington

Mr. Derrick Swanberg

Mr. Mark Willis

Mr. Jerry Chappell

Mr. Spence Pennington

Mr. Zachary Swanberg

Texas - Rolling Plains

Facilitators

Mr. Steven Estes - County Extension Agent, Texas AgriLife Extension

Panel Participants

Mr. Rex Ford

Mr. Brian Sandbothe

Mr. Dale Spurgin

Mr. Ferdie Walker

Mr. Michael McLellan

Mr. Mike Sloan

Mr. Rick Vickers

Mr. Terry White

Texas - Southern High Plains

Facilitators

Mr. Gary Roschetzky - County Extension Agent, Dawson County

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

Panel Participants

Mr. Steven Archer

Mr. Andy Bratcher

Mr. Will Cozart

Mr. Johnny Ray Todd

Mr. David Warren

Mr. Brad Boyd

Mr. Terry Coleman

Mr. Kirk Tidwell

Mr. Donald Vogler

RICE FARMS

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. Andrew Gill
Mr. Andy Gill	Mr. Tad Keller
Mr. Joe Mencer	Mr. Matt Miles
Mr. Jim Whitaker	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. Derek Bohanan
Mr. Monty Bohanan	Mr. Dusty Hoskyn
Mr. Stephen Hoskyn	Mr. David Jessup
Mr. Garth 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

Panel Participants

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

Arkansas - Northeast-Lawrence County

Facilitators

Mr. Michael Andrews
Mr. Herb Ginn
Dr. Brad Watkins - Research Assistant Professor, U. of Arkansas Cooperative Extension

Panel Participants

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

California - Butte County

Facilitators

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

Panel Participants

Mr. Ken Anderson	Mr. Seth Fiack
Mr. Imran Khan	Mr. Eric Larrabee
Mr. Peter Rystrom	Mr. Steve Rystrom
Mr. Josh Sheppard	Mr. Eric Waterbury

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. Jim LaGrande
Mr. Leo LaGrande	Mr. Charles Marsh
Mr. Alex Struckmeyer	Mr. Robert Sutton

California - Sutter County

Facilitators

Dr. Chris Greer - Farm Advisor, University of California
Mr. Tim Johnson

Panel Participants

Mr. Bard Anderson	Mr. Paul Baggett
Mr. Tom Butler	Mr. Mike DeWit
Mr. Scott Leathers	Mr. Ned Lemenager
Mr. Charley Mathews	Mr. Jon Munger
Mr. Rick Nelson	Mr. Michael Rue
Mr. Don Traynham	Mr. Scott Tucker
Mr. Bob Van Dyke	Mr. Wayne Vineyard

Louisiana - Northeast

Facilitators

Mr. Scott Franklin

Panel Participants

Mr. Ed Greer	Mr. Heath Herring
Mr. Jim Lingo	Mr. Jon Michael Livingston
Mr. John Owen	Mr. Russ Ratcliff

Louisiana - Southwest-Acadiana

Panel Participants

Mr. Al Cramer	Mr. Tommy Faulk
Mr. David Lacour	Mr. Jackie Loewer
Mr. Micah Loewer	Mr. Christian Richard
Mr. Fred Zaunbrecher	

Mississippi - Cleveland

Facilitators

Dr. Larry Falconer - Extension Professor
Mr. Craig hankins - Extension Agent

Panel Participants

Mr. Michael Aguzzi	Mr. Austin Davis
Mr. Gary Fioranelli	Mr. Randy Howarth
Mr. Kirk Satterfield	

RICE FARMS (CONTINUED)

Missouri

Facilitators

Mr. Sam Atwell
Mr. Trent Haggard - Director, Fisher Delta Research Center

Panel Participants

Mr. John Anderson	Mr. Alex Clark
Mr. Rance Daniels	Mr. Russ Haggard
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. L.G. Raun
Mr. Glen Rod	Mr. Robert Shoemate
Mr. Tommy Turner	

APPENDIX C:

**TABLES OF RESULTS FOR BASELINE
AND ALTERNATIVES**

Appendix Table C1. Average Annual Government Payments for AFPC Representative Feedgrain/Oilseed and Wheat Farms Under Baseline and Alternative Scenarios, 2018-2025.

	Baseline --\$1,000--	2014BaseRe-Elect --\$1,000--	ARC-II --\$1,000--
Feedgrain			
IAG1350	18.0	37.53	37.26
IAG3400	41.0	80.28	84.52
NEG2400	27.5	72.55	63.75
NEG4300	44.7	109.65	106.62
NDG3000	37.3	47.99	56.84
NDG8000	79.8	125.31	140.83
ING1000	13.1	24.63	23.09
ING3250	42.5	74.82	75.45
MOCG2300	44.9	47.17	51.55
MOCG4200	35.0	63.78	70.57
MONG2300	54.1	55.74	58.78
LANG2500	146.3	149.25	114.17
TNG2500	26.6	42.32	48.1
TNG4500	57.1	82.4	94.31
NCSF2000	104.3	117.12	73.34
NCC2030	73.8	76.29	58.57
SCC2000	109.1	111.03	82.06
SCG3500	106.2	153.48	129.97
TXNP3450	96.5	126.07	109.05
TXNP10640	246.6	338.74	276
TXPG2500	103.0	123.72	93.86
TXHG2700	73.0	74.82	61.5
TXWG1600	53.3	53.25	41.73
Wheat			
WAW2000	26.7	64.73	55.91
WAW8000	120.4	225.98	200.5
WAAW5000	21.4	55.89	47.68
ORW4100	12.1	40.37	33.87
MTW8000	120.0	119.96	108.05
KSCW2000	20.2	33.16	31.25
KSCW5300	54.9	87.68	81.24
KSNW4000	41.7	60.44	51.97
KSNW7000	47.7	80.9	70.28
COW3000	26.4	28.29	25.09
COW6000	61.9	61.88	55.04

Appendix Table C2. Average Annual Government Payments for AFPC Representative Cotton and Rice Farms Under Baseline and Alternative Scenarios, 2018-2025.

	Baseline --\$1,000--	2014BaseRe-Elect --\$1,000--	ARC-II --\$1,000--
Cotton			
TXSP2500	75.2	74.89	61.44
TXSP4500	132.5	132.53	103.35
TXEC5000	207.3	207.3	161.06
TXRP2500	40.2	40.16	32.32
TXMC2500	82.3	82.31	66.49
TXCB3750	112.9	112.94	92.36
TXCB10000	390.8	390.79	318.47
TXVC5500	217.6	217.6	174.95
ARNC5000	362.9	362.74	282.72
TNC3000	126.8	134.41	106.11
TNC4050	213.9	213.88	168
ALC3500	148.9	155.12	122.06
GAC2500	343.2	348.36	233.77
NCNP1600	126.3	126.95	89.18
Rice			
CAR1200	288.5	288.5	141.5
CAR3000	886.7	886.7	434.8
CABR1000	240.6	240.6	118.0
CACR800	199.0	199.0	97.6
TXR1500	116.7	116.74	79.76
TXR3000	211.4	211.43	144.55
TXBR1800	132.9	132.85	90.79
TXER3200	187.3	187.57	128.34
LASR2000	144.3	145.17	102.44
ARMR6500	375.6	379.29	291.9
ARSR3240	222.3	228.47	172.45
ARWR2500	174.0	176.77	132.8
ARHR4000	308.9	315.37	224.3
MSDR5000	217.2	218.48	189.99
MOBR4000	165.3	167.19	129.7

Appendix Table C3. Average Ending Cash Reserves for AFPC Representative Feedgrain/Oilseed and Wheat Farms Under Baseline and Alternative Scenarios, 2025.

	Baseline --\$1,000--	2014BaseRe-Elect --\$1,000--	ARC-II --\$1,000--
Feedgrain			
IAG1350	-2,096.4	-1,931.6	-1,935.6
IAG3400	-1,292.0	-1,001.9	-984.8
NEG2400	-1,049.0	-680.2	-761.2
NEG4300	-5,630.5	-5,061.5	-5,090.4
NDG3000	-1,049.8	-964.7	-903.4
NDG8000	779.7	1,138.6	1,239.3
ING1000	174.0	238.1	228.3
ING3250	291.9	501.0	496.1
MOCG2300	2.1	16.2	40.4
MOCG4200	2,174.6	2,330.6	2,364.2
MONG2300	466.7	475.1	486.4
LANG2500	-2,048.4	-2,020.7	-2,210.3
TNG2500	-493.7	-366.2	-331.4
TNG4500	1,315.6	1,485.0	1,546.8
NCSF2000	-3,055.8	-2,939.8	-3,323.5
NCC2030	1,846.5	1,858.6	1,772.4
SCC2000	966.6	977.4	814.6
SCG3500	1,622.2	1,893.6	1,756.5
TXNP3450	1,967.5	2,136.5	2,034.1
TXNP10640	4,674.1	5,248.4	4,840.6
TXPG2500	-510.8	-337.2	-584.8
TXHG2700	-1,135.8	-1,119.3	-1,231.8
TXWG1600	-789.8	-789.8	-854.7
Wheat			
WAW2000	872.6	1,077.4	1,029.6
WAW8000	-1,043.1	-241.6	-429.2
WAAW5000	-1,199.1	-906.1	-974.1
ORW4100	-1,058.0	-826.6	-875.9
MTW8000	2,398.7	2,398.7	2,341.6
KSCW2000	581.2	650.4	637.9
KSCW5300	1,645.4	1,845.9	1,805.4
KSNW4000	-490.8	-341.5	-404.6
KSNW7000	-216.0	33.1	-44.4
COW3000	-371.0	-357.3	-379.3
COW6000	-3,352.6	-3,352.6	-3,410.0

Appendix Table C4. Average Ending Cash Reserves for AFPC Representative Cotton and Rice Farms Under Baseline and Alternative Scenarios, 2025.

	Baseline --\$1,000--	2014BaseRe-Elect --\$1,000--	ARC-II --\$1,000--
Cotton			
TXSP2500	-1,025.6	-1,028.7	-1,149.4
TXSP4500	219.6	219.5	3.2
TXEC5000	1,379.5	1,379.5	1,077.4
TXRP2500	-685.1	-685.1	-747.6
TXMC2500	-1,572.2	-1,572.2	-1,712.8
TXCB3750	-2,016.2	-2,016.2	-2,188.4
TXCB10000	-932.1	-932.2	-1,498.4
TXVC5500	1,596.7	1,596.7	1,322.0
ARNC5000	3,260.6	3,259.9	2,817.1
TNC3000	1,832.3	1,873.5	1,723.0
TNC4050	1,022.3	1,022.3	746.7
ALC3500	3,057.3	3,092.2	2,915.1
GAC2500	2,175.0	2,202.8	1,557.6
NCNP1600	-1,987.2	-1,981.2	-2,305.4
Rice			
CAR1200	-49.7	-49.7	-987.5
CAR3000	-3,009.4	-3,009.4	-6,749.2
CABR1000	-1,046.1	-1,046.1	-2,148.8
CACR800	-2,132.7	-2,132.7	-3,019.5
TXR1500	-1,341.6	-1,341.6	-1,665.5
TXR3000	-1,661.7	-1,661.7	-2,218.8
TXBR1800	-824.5	-824.5	-1,165.0
TXER3200	-3,634.0	-3,632.1	-4,134.7
LASR2000	-465.8	-459.3	-784.1
ARMR6500	-1,075.9	-1,046.9	-1,685.8
ARSR3240	-1,425.2	-1,376.2	-1,806.9
ARWR2500	-1,905.6	-1,883.8	-2,219.1
ARHR4000	-2,466.9	-2,417.6	-3,120.1
MSDR5000	131.6	142.5	-46.7
MOBR4000	-3,355.4	-3,336.7	-3,664.3

Appendix Table C5. Average Ending Nominal Net Worth for AFPC Representative Feedgrain/Oilseed and Wheat Farms Under Baseline and Alternative Scenarios, 2025.

	Baseline --\$1,000--	2014BaseRe-Elect --\$1,000--	ARC-II --\$1,000--
Feedgrain			
IAG1350	722.5	887.3	883.3
IAG3400	9,726.5	10,016.6	10,033.7
NEG2400	3,964.5	4,333.4	4,252.3
NEG4300	10,592.5	11,161.5	11,132.6
NDG3000	2,070.7	2,155.8	2,217.1
NDG8000	21,165.3	21,524.2	21,624.9
ING1000	2,426.1	2,490.2	2,480.5
ING3250	8,501.6	8,710.7	8,705.8
MOCG2300	10,162.4	10,176.5	10,200.7
MOCG4200	14,842.1	14,998.1	15,031.7
MONG2300	10,141.7	10,150.0	10,161.3
LANG2500	941.8	969.5	779.9
TNG2500	2,430.0	2,557.6	2,592.3
TNG4500	9,081.8	9,251.2	9,313.0
NCS2000	653.0	769.0	385.2
NCC2030	3,846.1	3,858.2	3,771.9
SCC2000	3,618.6	3,629.3	3,466.6
SCG3500	6,254.7	6,526.1	6,389.0
TXNP3450	9,128.3	9,297.4	9,194.9
TXNP10640	16,830.5	17,404.8	16,997.0
TXPG2500	4,412.9	4,586.5	4,338.9
TXHG2700	504.2	520.7	408.3
TXWG1600	733.6	733.6	668.8
Wheat			
WAW2000	2,758.1	2,962.8	2,915.0
WAW8000	9,746.2	10,547.7	10,360.0
WAAW5000	860.5	1,153.5	1,085.5
ORW4100	324.0	555.4	506.0
MTW8000	7,812.7	7,812.7	7,755.6
KSCW2000	2,748.7	2,817.9	2,805.4
KSCW5300	6,241.6	6,442.2	6,401.6
KSNW4000	2,888.1	3,037.5	2,974.4
KSNW7000	5,942.3	6,191.4	6,113.9
COW3000	3,022.5	3,036.2	3,014.2
COW6000	2,491.1	2,491.1	2,433.7

Appendix Table C6. Average Ending Nominal Net Worth for AFPC Representative Cotton and Rice Farms Under Baseline and Alternative Scenarios, 2025.

	Baseline --\$1,000--	2014BaseRe-Elect --\$1,000--	ARC-II --\$1,000--
Cotton			
TXSP2500	490.8	487.7	367.0
TXSP4500	3,211.5	3,211.5	2,995.2
TXEC5000	4,393.3	4,393.3	4,091.2
TXRP2500	528.1	528.1	465.7
TXMC2500	314.5	314.5	173.8
TXCB3750	282.3	282.3	110.1
TXCB10000	5,357.3	5,357.3	4,791.0
TXVC5500	7,033.1	7,033.1	6,758.5
ARNC5000	12,150.0	12,149.3	11,706.5
TNC3000	3,514.0	3,555.2	3,404.6
TNC4050	6,140.2	6,140.1	5,864.5
ALC3500	6,374.0	6,409.0	6,231.8
GAC2500	10,086.4	10,114.2	9,469.0
NCNP1600	1,453.4	1,459.5	1,135.2
Rice			
CAR1200	3,170.5	3,170.5	2,232.7
CAR3000	8,855.6	8,855.6	5,115.8
CABR1000	3,875.1	3,875.1	2,772.4
CACR800	643.7	643.7	-243.1
TXR1500	618.9	618.9	295.0
TXR3000	-341.5	-341.5	-898.6
TXBR1800	-4.8	-4.8	-345.4
TXER3200	-1,415.3	-1,413.4	-1,916.0
LASR2000	1,024.3	1,030.7	706.0
ARMR6500	6,184.9	6,214.0	5,575.1
ARSR3240	2,868.3	2,917.2	2,486.5
ARWR2500	5,157.2	5,179.0	4,843.7
ARHR4000	3,002.7	3,051.9	2,349.5
MSDR5000	14,452.7	14,463.5	14,274.4
MOBR4000	4,733.4	4,752.1	4,424.5

APPENDIX D:

**ARC/PLC ELECTIONS FOR BASELINE AND
ALTERNATIVES**

Appendix Table D1. ARC/PLC Elections by Farm by Crop Under Baseline and Alternative Scenarios.

Farm	Crop	Baseline	2014BaseRe-Elect	ARC-II
ALC3500	Wheat	PLC	PLC	PLC
ALC3500	Seed Cotton	PLC	PLC	PLC
ALC3500	Corn	ARC	PLC	ARC
ALC3500	Soybeans	ARC	PLC	PLC
ARHR4000	Rice	PLC	PLC	PLC
ARHR4000	Rice	PLC	PLC	PLC
ARHR4000	Corn	ARC	PLC	PLC
ARHR4000	Soybeans	ARC	PLC	ARC
ARMR6500	Rice	PLC	PLC	PLC
ARMR6500	Seed Cotton	PLC	PLC	PLC
ARMR6500	Corn	ARC	PLC	ARC
ARMR6500	Soybeans	ARC	PLC	ARC
ARNC5000	Seed Cotton	PLC	PLC	PLC
ARNC5000	Corn	ARC	PLC	PLC
ARNC5000	Peanuts	PLC	PLC	PLC
ARNC5000	Soybeans	ARC	PLC	ARC
ARSR3240	Wheat	PLC	PLC	PLC
ARSR3240	Rice	PLC	PLC	PLC
ARSR3240	Soybeans	ARC	PLC	ARC
ARWR2500	Rice	PLC	PLC	PLC
ARWR2500	Soybeans	ARC	PLC	ARC
CABR1000	Rice	PLC	PLC	PLC
CACR800	Rice	PLC	PLC	PLC
CAR1200	Rice	PLC	PLC	PLC
CAR3000	Rice	PLC	PLC	PLC
COW3000	Wheat	PLC	PLC	PLC
COW3000	Corn	ARC	PLC	PLC
COW6000	Wheat	PLC	PLC	PLC
COW6000	Corn	PLC	PLC	PLC
GAC2500	Seed Cotton	PLC	PLC	PLC
GAC2500	Corn	ARC	PLC	PLC
GAC2500	Peanuts	PLC	PLC	PLC
IAG1350	Corn	ARC	PLC	ARC
IAG1350	Soybeans	ARC	PLC	ARC
IAG3400	Corn	ARC	PLC	ARC
IAG3400	Soybeans	ARC	PLC	ARC
ING1000	Wheat	ARC	PLC	ARC
ING1000	Corn	ARC	PLC	ARC
ING1000	Soybeans	ARC	PLC	ARC
ING3250	Corn	ARC	PLC	ARC
ING3250	Soybeans	ARC	PLC	ARC
KSCW2000	Wheat	ARC	PLC	PLC
KSCW2000	Corn	ARC	PLC	PLC
KSCW2000	Grain Sorghum	PLC	PLC	PLC
KSCW2000	Soybeans	ARC	PLC	ARC
KSCW5300	Wheat	ARC	PLC	PLC
KSCW5300	Corn	PLC	PLC	PLC
KSCW5300	Grain Sorghum	PLC	PLC	PLC
KSCW5300	Soybeans	ARC	PLC	ARC
KSNW4000	Wheat	ARC	PLC	PLC
KSNW4000	Corn	ARC	PLC	PLC
KSNW4000	Grain Sorghum	PLC	PLC	PLC
KSNW7000	Wheat	ARC	PLC	PLC
KSNW7000	Corn	ARC	PLC	PLC
KSNW7000	Grain Sorghum	PLC	PLC	PLC
KSNW7000	Soybeans	ARC	PLC	PLC
LANG2500	Rice	PLC	PLC	PLC
LANG2500	Seed Cotton	PLC	PLC	PLC
LANG2500	Corn	ARC	PLC	ARC
LANG2500	Soybeans	ARC	PLC	ARC
LANG2500	Soybeans	ARC	PLC	ARC
LASR2000	Rice	PLC	PLC	PLC
LASR2000	Soybeans	ARC	PLC	ARC

Appendix Table D1 (Continued). ARC/PLC Elections by Farm by Crop Under Baseline and Alternative Scenarios.

MOBR4000	Rice	PLC	PLC	PLC
MOBR4000	Corn	ARC	PLC	PLC
MOBR4000	Soybeans	ARC	PLC	ARC
MOBR4000	Soybeans	ARC	PLC	ARC
MOCG2300	Corn	PLC	PLC	PLC
MOCG2300	Soybeans	ARC	PLC	ARC
MOCG4200	Corn	ARC	PLC	PLC
MOCG4200	Soybeans	ARC	PLC	ARC
MONG2300	Corn	PLC	PLC	ARC
MONG2300	Soybeans	ARC	PLC	ARC
MSDR5000	Rice	PLC	PLC	PLC
MSDR5000	Soybeans	ARC	PLC	ARC
MTW8000	Wheat	PLC	PLC	PLC
MTW8000	Barley	PLC	PLC	PLC
NCC2030	Wheat	ARC	PLC	PLC
NCC2030	Seed Cotton	PLC	PLC	PLC
NCC2030	Corn	ARC	PLC	ARC
NCC2030	Soybeans	ARC	PLC	ARC
NCNP1600	Seed Cotton	PLC	PLC	PLC
NCNP1600	Corn	ARC	PLC	ARC
NCNP1600	Peanuts	PLC	PLC	PLC
NCNP1600	Soybeans	ARC	PLC	ARC
NCSP2000	Corn	ARC	PLC	ARC
NCSP2000	Peanuts	PLC	PLC	PLC
NCSP2000	Soybeans	ARC	PLC	ARC
NDG3000	Wheat	PLC	PLC	PLC
NDG3000	Corn	ARC	PLC	ARC
NDG3000	Soybeans	ARC	PLC	ARC
NDG8000	Wheat	ARC	PLC	PLC
NDG8000	Corn	ARC	PLC	ARC
NDG8000	Soybeans	ARC	PLC	ARC
NDG8000	Barley	PLC	PLC	PLC
NEG2400	Corn	ARC	PLC	ARC
NEG2400	Soybeans	ARC	PLC	ARC
NEG4300	Corn	ARC	PLC	ARC
NEG4300	Soybeans	ARC	PLC	ARC
ORW4100	Wheat	ARC	PLC	PLC
ORW4100	Wheat	ARC	PLC	PLC
SCC2000	Wheat	ARC	PLC	ARC
SCC2000	Seed Cotton	PLC	PLC	PLC
SCC2000	Corn	ARC	PLC	ARC
SCC2000	Corn	ARC	PLC	ARC
SCC2000	Peanuts	PLC	PLC	PLC
SCC2000	Peanuts	PLC	PLC	PLC
SCC2000	Soybeans	ARC	PLC	ARC
SCG3500	Wheat	ARC	PLC	PLC
SCG3500	Seed Cotton	PLC	PLC	PLC
SCG3500	Corn	ARC	PLC	ARC
SCG3500	Peanuts	PLC	PLC	PLC
SCG3500	Peanuts	PLC	PLC	PLC
SCG3500	Soybeans	ARC	PLC	ARC
TNC3000	Seed Cotton	PLC	PLC	PLC
TNC3000	Corn	ARC	PLC	ARC
TNC3000	Soybeans	ARC	PLC	ARC
TNC4050	Wheat	PLC	PLC	PLC
TNC4050	Seed Cotton	PLC	PLC	PLC
TNC4050	Corn	PLC	PLC	ARC
TNC4050	Soybeans	ARC	PLC	ARC
TNG2500	Wheat	ARC	PLC	PLC
TNG2500	Corn	ARC	PLC	ARC
TNG2500	Soybeans	ARC	PLC	ARC
TNG4500	Wheat	ARC	PLC	PLC
TNG4500	Corn	ARC	PLC	ARC
TNG4500	Soybeans	ARC	PLC	ARC

Appendix Table D1 (Continued). ARC/PLC Elections by Farm by Crop Under Baseline and Alternative Scenarios.

TXBR1800	Rice	PLC	PLC	PLC
TXCB10000	Seed Cotton	PLC	PLC	PLC
TXCB10000	Corn	PLC	PLC	PLC
TXCB10000	Grain Sorghum	PLC	PLC	PLC
TXCB3750	Seed Cotton	PLC	PLC	PLC
TXCB3750	Corn	PLC	PLC	PLC
TXCB3750	Grain Sorghum	PLC	PLC	PLC
TXEC5000	Wheat	PLC	PLC	PLC
TXEC5000	Seed Cotton	PLC	PLC	PLC
TXEC5000	Grain Sorghum	PLC	PLC	PLC
TXEC5000	Grain Sorghum	PLC	PLC	PLC
TXER3200	Rice	PLC	PLC	PLC
TXER3200	Soybeans	ARC	PLC	PLC
TXHG2700	Wheat	PLC	PLC	PLC
TXHG2700	Seed Cotton	PLC	PLC	PLC
TXHG2700	Corn	ARC	PLC	ARC
TXHG2700	Grain Sorghum	PLC	PLC	PLC
TXMC2500	Rice	PLC	PLC	PLC
TXMC2500	Seed Cotton	PLC	PLC	PLC
TXMC2500	Corn	PLC	PLC	ARC
TXMC2500	Grain Sorghum	PLC	PLC	PLC
TXNP10640	Wheat	PLC	PLC	PLC
TXNP10640	Wheat	PLC	PLC	PLC
TXNP10640	Corn	ARC	PLC	ARC
TXNP10640	Grain Sorghum	PLC	PLC	PLC
TXNP10640	Grain Sorghum	PLC	PLC	PLC
TXNP3450	Wheat	PLC	PLC	PLC
TXNP3450	Corn	ARC	PLC	ARC
TXNP3450	Grain Sorghum	PLC	PLC	PLC
TXPG2500	Wheat	PLC	PLC	PLC
TXPG2500	Wheat	PLC	PLC	PLC
TXPG2500	Seed Cotton	PLC	PLC	PLC
TXPG2500	Corn	ARC	PLC	ARC
TXPG2500	Grain Sorghum	PLC	PLC	PLC
TXR1500	Rice	PLC	PLC	PLC
TXR3000	Rice	PLC	PLC	PLC
TXRP2500	Wheat	PLC	PLC	PLC
TXRP2500	Seed Cotton	PLC	PLC	PLC
TXSP2500	Seed Cotton	PLC	PLC	PLC
TXSP2500	Grain Sorghum	PLC	PLC	PLC
TXSP2500	Peanuts	PLC	PLC	PLC
TXSP2500	Peanuts	PLC	PLC	PLC
TXSP4500	Wheat	PLC	PLC	PLC
TXSP4500	Seed Cotton	PLC	PLC	PLC
TXSP4500	Peanuts	PLC	PLC	PLC
TXVC5500	Seed Cotton	PLC	PLC	PLC
TXVC5500	Corn	PLC	PLC	PLC
TXVC5500	Grain Sorghum	PLC	PLC	PLC
TXWG1600	Wheat	PLC	PLC	PLC
TXWG1600	Seed Cotton	PLC	PLC	PLC
TXWG1600	Corn	PLC	PLC	ARC
TXWG1600	Grain Sorghum	PLC	PLC	PLC
WAAW5000	Wheat	ARC	PLC	PLC
WAAW5000	Barley	PLC	PLC	PLC
WAW2000	Wheat	ARC	PLC	PLC
WAW2000	Wheat	ARC	PLC	PLC
WAW2000	Barley	PLC	PLC	PLC
WAW8000	Wheat	ARC	PLC	PLC
WAW8000	Wheat	ARC	PLC	PLC
WAW8000	Barley	PLC	PLC	PLC