



www.agmanager.info  
abarnaby@agecon.ksu.edu  
(785) 532.1515 (phone)  
(785) 532.6925 (fax)

## G.A. "Art" Barnaby Jr.

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### ACRE for Grain Sorghum<sup>1</sup>

**Update.** Many readers have sent emails about the original posting of ACRE. First there were several writers that could not reproduce the same results. The original posting calculated the payment based on the gross guarantee rather than the correct calculation based on adjusted guarantee for the 10% cap/cup.

The other issue raised is; has the average price and price risk increased? Clearly the answer is yes, but how much? In the updated results the payment was reported both as percent of coverage and dollar amount. For example if we assume the long run mean for corn has increased from \$2.50 to \$5 and the standard error has increased from 50 cents to a dollar, then the coefficient of variation (CV) has not changed. If the CV has not changed then frequency and severity of ACRE claims would not change over the long run. The payment as percent of coverage is the better estimate of payment than the nominal dollar amount.

The other argument is that based on the current implied volatility based on market value of options, suggests the KSU estimated payments are understated. That is true, but the real question is what is the new mean and standard error for grain prices? Therefore, the KSU estimated ACRE payments are conservative estimates.

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<sup>1</sup>Prepared by G. A. (Art) Barnaby, Jr., Professor, Department of Agricultural Economics, K-State Research and Extension, Kansas State University, Manhattan, KS 66506, July 14, 2008, Phone 785-532-1515, e-mail – [barnaby@ksu.edu](mailto:barnaby@ksu.edu).

A final note is ACRE will end with this Farm Bill. In 2013 Congress will need to pass a new Farm Bill, and it is anyone's guess if ACRE will be renewed. The estimated ACRE payments are based on long run data or are simulations for estimating probability of payments. Even if there is a high probability of payment, there will only be a maximum of 4 observations unless the program is included in the next Farm Bill, **while it is highly unlikely, it is possible that ACRE will not generate any payments.**

**Original.** KSU has developed tables that show the historical payouts under ACRE for grain sorghum in selected states. ACRE is a put option on expected state revenue defined as 5 year Olympic average state yield times the prior 2 year NASS marketing year average price. Optimal signup for ACRE will be in the year the expected market price (as measured by futures less basis) is less than the strike price in ACRE. Effectively one is buying an in-the-money put option on expected state revenue but the premium does not increase. The "premium" cost is 20% of the direct payment. Once farmers sign up for ACRE they can not switch back but there is a 10% cap and that increases the odds one will have an in-the-money put option on expected state revenue the next year. There is also a 10% cap, so one does not want to sign up for ACRE if the ACRE strike price is less than the expected new crop price. Farmers selecting ACRE must sign up all crops. More ACRE details are posted on AgManager.info.

The states are in alphabetical order, starting with irrigated and then non-irrigated states. The states that were assumed to have no practice specified then follow in alphabetical order. If more than 25% of the acres are irrigated then ACRE has both irrigated and non-irrigated yields. Based on 2007, Texas grain sorghum was just short of the 25% trigger for practice. I assumed Texas would have the irrigated acres split but the Secretary may do something different.

NASS did not report planted acres in all years. KSU has estimated the planted acres based on harvested acres, when NASS did not report a planted acre value.

**Table 4. (7/14/08) Sorghum ACRE Program, Irrigated N. Mexico**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	63.6	73.0	2.91	143.13	135.42	184.93	0.00	0.00	0.00%
1981	58.8	70.3	2.25	172.57	148.96	132.05	16.91	14.09	9.46%
1982	67.2	67.8	2.47	163.03	163.03	165.89	0.00	0.00	0.00%
1983	67.1	66.0	2.74	143.79	146.72	183.75	0.00	0.00	0.00%
1984	87.7	66.0	2.32	154.60	154.60	203.74	0.00	0.00	0.00%
1985	77.5	70.6	1.93	150.28	150.28	149.76	0.52	0.43	0.29%
1986	73.4	72.7	1.37	135.21	135.25	100.64	33.81	28.17	20.83%
1987	78.4	76.4	1.70	108.06	121.73	133.45	0.00	0.00	0.00%
1988	83.9	79.9	2.27	105.72	109.55	190.26	0.00	0.00	0.00%
1989	75.3	77.1	2.10	142.81	120.51	158.07	0.00	0.00	0.00%
1990	66.5	75.7	2.12	151.46	132.56	141.15	0.00	0.00	0.00%
1991	81.9	78.5	2.25	143.78	143.78	183.94	0.00	0.00	0.00%
1992	91.8	80.4	1.89	154.35	154.35	173.70	0.00	0.00	0.00%
1993	72.3	76.5	2.31	149.65	149.65	167.10	0.00	0.00	0.00%
1994	84.0	79.4	2.13	144.74	144.74	178.66	0.00	0.00	0.00%
1995	60.5	79.4	3.19	158.62	158.62	192.75	0.00	0.00	0.00%
1996	57.1	72.2	2.34	189.82	174.48	133.24	41.24	34.35	19.69%
1997	66.1	66.3	2.21	179.48	179.48	146.18	33.30	27.74	15.45%
1998	44.2	61.2	1.66	135.62	161.53	73.51	40.38	33.64	20.83%
1999	65.7	61.1	1.57	106.74	145.38	103.03	36.35	30.28	20.83%
2000	22.5	55.7	1.89	88.82	130.84	42.40	32.71	27.25	20.83%
2001	56.9	55.6	1.94	86.53	117.76	110.29	7.47	6.22	5.28%
2002	36.4	45.8	2.32	95.71	105.98	84.41	21.58	17.97	16.96%
2003	29.0	40.8	2.39	87.80	95.38	69.08	23.85	19.86	20.83%
2004	42.7	36.0	1.79	86.28	86.28	76.37	9.92	8.26	9.57%
2005	55.5	44.9	1.86	67.66	77.66	103.58	0.00	0.00	0.00%
2006	41.2	40.1	3.29	73.77	73.77	135.67	0.00	0.00	0.00%
2007	29.7	37.9	3.89	93.11	81.15	115.71	0.00	0.00	0.00%
<b>Average Payment</b>								8.28	6.03%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Irrigated Texas**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	65.4	67.5	2.91	140.34	135.74	189.93	0.00	0.00	0.00%
1981	79.7	72.2	2.25	159.61	149.32	179.01	0.00	0.00	0.00%
1982	74.5	73.3	2.47	167.35	164.25	184.09	0.00	0.00	0.00%
1983	68.4	74.1	2.74	155.56	155.56	187.20	0.00	0.00	0.00%
1984	82.5	74.2	2.32	173.62	171.11	191.76	0.00	0.00	0.00%
1985	79.0	77.8	1.93	169.05	169.05	152.71	16.33	13.61	8.05%
1986	80.2	77.9	1.37	148.94	152.14	109.99	38.04	31.68	20.83%
1987	85.9	80.6	1.70	115.85	136.93	146.18	0.00	0.00	0.00%
1988	88.9	82.8	2.27	111.47	123.24	201.60	0.00	0.00	0.00%
1989	77.6	81.7	2.10	148.03	135.56	162.99	0.00	0.00	0.00%
1990	81.8	82.6	2.12	160.58	149.12	173.61	0.00	0.00	0.00%
1991	84.8	84.1	2.25	156.97	156.97	190.35	0.00	0.00	0.00%
1992	80.6	82.4	1.89	165.40	165.40	152.56	12.84	10.69	6.46%
1993	80.4	80.9	2.31	153.43	153.43	186.02	0.00	0.00	0.00%
1994	77.1	80.9	2.13	153.19	153.19	164.03	0.00	0.00	0.00%
1995	69.5	79.4	3.19	161.75	161.75	221.38	0.00	0.00	0.00%
1996	80.9	79.4	2.34	189.81	177.93	188.96	0.00	0.00	0.00%
1997	70.4	76.0	2.21	197.21	195.72	155.70	40.03	33.34	17.04%
1998	63.9	72.3	1.66	155.45	176.15	106.31	44.04	36.68	20.83%
1999	69.9	69.9	1.57	126.11	158.53	109.68	39.63	33.01	20.83%
2000	60.6	68.1	1.89	101.69	142.68	114.42	28.26	23.54	16.50%
2001	63.9	65.9	1.94	105.86	128.41	123.75	4.66	3.88	3.02%
2002	68.2	65.3	2.32	113.45	115.57	158.07	0.00	0.00	0.00%
2003	63.1	65.0	2.39	125.11	125.11	150.49	0.00	0.00	0.00%
2004	69.0	65.0	1.79	137.69	137.62	123.29	14.33	11.94	8.67%
2005	72.4	67.0	1.86	122.11	123.86	134.95	0.00	0.00	0.00%
2006	59.2	66.8	3.29	110.12	111.47	194.79	0.00	0.00	0.00%
2007	75.0	68.2	3.89	154.95	122.62	291.86	0.00	0.00	0.00%
<b>Average Payment</b>								6.73	4.16%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Non-Irrigated N. Mexico**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	16.1	17.0	2.91	36.21	26.05	46.69	0.00	0.00	0.00%
1981	23.4	19.2	2.25	40.29	28.66	52.51	0.00	0.00	0.00%
1982	20.7	19.8	2.47	44.46	31.53	51.17	0.00	0.00	0.00%
1983	14.7	19.8	2.74	41.98	34.68	40.17	0.00	0.00	0.00%
1984	36.8	20.1	2.32	46.29	38.15	85.64	0.00	0.00	0.00%
1985	33.7	25.9	1.93	45.69	41.96	65.11	0.00	0.00	0.00%
1986	29.9	28.1	1.37	49.67	46.16	40.96	5.19	4.33	9.37%
1987	35.2	32.9	1.70	41.77	41.77	59.92	0.00	0.00	0.00%
1988	40.8	35.2	2.27	45.54	45.54	92.45	0.00	0.00	0.00%
1989	32.9	33.9	2.10	62.98	50.10	69.02	0.00	0.00	0.00%
1990	1.8	32.6	2.12	66.68	55.11	3.87	13.78	11.48	20.83%
1991	46.4	36.3	2.25	62.02	60.62	104.28	0.00	0.00	0.00%
1992	44.7	39.5	1.89	71.30	66.68	84.69	0.00	0.00	0.00%
1993	23.0	33.5	2.31	73.48	73.35	53.11	18.34	15.27	20.83%
1994	22.4	30.0	2.13	63.45	66.01	47.63	16.50	13.75	20.83%
1995	4.1	30.0	3.19	60.01	60.01	12.98	15.00	12.50	20.83%
1996	21.0	22.1	2.34	71.82	66.01	49.14	16.50	13.75	20.83%
1997	32.6	22.1	2.21	54.99	59.41	72.09	0.00	0.00	0.00%
1998	5.5	16.3	1.66	45.28	53.47	9.11	13.37	11.14	20.83%
1999	42.1	19.7	1.57	28.43	48.12	65.95	0.00	0.00	0.00%
2000	2.0	19.7	1.89	28.65	43.31	3.78	10.83	9.02	20.83%
2001	23.8	20.6	1.94	30.64	38.98	46.18	0.00	0.00	0.00%
2002	9.0	12.8	2.32	35.51	35.51	20.94	8.88	7.40	20.83%
2003	5.9	12.9	2.39	24.48	31.96	14.06	7.99	6.66	20.83%
2004	26.4	12.9	1.79	27.35	28.77	47.07	0.00	0.00	0.00%
2005	32.1	19.7	1.86	24.26	25.89	59.90	0.00	0.00	0.00%
2006	11.4	15.6	3.29	32.43	28.48	37.64	0.00	0.00	0.00%
2007	27.9	21.9	3.89	36.22	31.33	108.75	0.00	0.00	0.00%
<b>Average Payment</b>								3.51	6.56%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Non-Irrigated Texas**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	31.4	33.5	2.91	67.45	63.60	91.32	0.00	0.00	0.00%
1981	51.9	36.6	2.25	79.29	69.96	116.53	0.00	0.00	0.00%
1982	45.0	40.1	2.47	84.88	76.96	111.26	0.00	0.00	0.00%
1983	40.8	42.4	2.74	85.06	84.65	111.66	0.00	0.00	0.00%
1984	40.9	42.2	2.32	99.45	93.12	95.04	0.00	0.00	0.00%
1985	51.3	45.7	1.93	96.22	96.22	99.07	0.00	0.00	0.00%
1986	47.2	44.4	1.37	87.60	87.60	64.75	21.90	18.24	20.83%
1987	53.9	46.5	1.70	65.98	78.84	91.75	0.00	0.00	0.00%
1988	51.6	50.0	2.27	64.27	70.96	117.02	0.00	0.00	0.00%
1989	39.7	50.0	2.10	89.37	78.05	83.33	0.00	0.00	0.00%
1990	38.5	46.2	2.12	98.32	85.86	81.69	4.17	3.47	4.04%
1991	50.1	47.1	2.25	87.70	87.70	112.46	0.00	0.00	0.00%
1992	51.6	47.1	1.89	92.62	92.62	97.74	0.00	0.00	0.00%
1993	49.0	46.3	2.31	87.75	87.75	113.36	0.00	0.00	0.00%
1994	50.2	49.8	2.13	87.54	87.54	106.89	0.00	0.00	0.00%
1995	43.3	49.8	3.19	99.47	96.30	137.96	0.00	0.00	0.00%
1996	34.0	47.5	2.34	119.03	105.93	79.37	26.48	22.06	20.83%
1997	52.2	47.5	2.21	118.06	116.52	115.52	1.00	0.83	0.72%
1998	25.2	42.5	1.66	97.23	104.87	41.95	26.22	21.84	20.83%
1999	56.5	43.2	1.57	74.12	94.38	88.56	5.83	4.85	5.14%
2000	45.8	44.0	1.89	62.77	84.94	86.49	0.00	0.00	0.00%
2001	32.0	43.3	1.94	68.44	76.45	61.94	14.51	12.09	15.81%
2002	32.5	36.8	2.32	74.60	74.60	75.31	0.00	0.00	0.00%
2003	42.5	40.3	2.39	70.40	70.40	101.27	0.00	0.00	0.00%
2004	55.2	40.3	1.79	85.21	77.44	98.61	0.00	0.00	0.00%
2005	50.0	41.6	1.86	75.57	75.57	93.24	0.00	0.00	0.00%
2006	25.2	41.6	3.29	68.42	68.42	82.87	0.00	0.00	0.00%
2007	53.7	48.7	3.89	96.65	75.27	208.95	0.00	0.00	0.00%
<b>Average Payment</b>								2.78	2.94%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Alabama**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	17.3	17.3	2.91	34.86	33.11	50.17	0.00	0.00	0.00%
1981	23.8	18.2	2.25	40.83	36.42	53.55	0.00	0.00	0.00%
1982	29.2	20.4	2.47	42.10	40.07	72.21	0.00	0.00	0.00%
1983	34.4	23.6	2.74	43.19	43.19	94.20	0.00	0.00	0.00%
1984	40.9	29.2	2.32	55.42	47.51	95.07	0.00	0.00	0.00%
1985	46.9	34.8	1.93	66.43	52.26	90.52	0.00	0.00	0.00%
1986	28.6	34.8	1.37	66.74	57.48	39.20	14.37	11.97	20.83%
1987	28.8	34.7	1.70	51.81	51.81	49.03	2.79	2.32	4.48%
1988	25.6	32.8	2.27	48.01	48.01	58.12	0.00	0.00	0.00%
1989	33.3	30.2	2.10	58.53	52.81	70.00	0.00	0.00	0.00%
1990	33.0	30.1	2.12	59.43	58.09	70.04	0.00	0.00	0.00%
1991	42.2	31.7	2.25	57.24	57.24	94.69	0.00	0.00	0.00%
1992	37.9	34.7	1.89	62.33	62.33	71.70	0.00	0.00	0.00%
1993	29.2	34.7	2.31	64.69	64.69	67.48	0.00	0.00	0.00%
1994	33.3	34.7	2.13	65.74	65.74	70.93	0.00	0.00	0.00%
1995	26.7	33.5	3.19	69.42	69.42	84.97	0.00	0.00	0.00%
1996	42.3	33.5	2.34	80.03	76.36	98.80	0.00	0.00	0.00%
1997	30.0	30.8	2.21	83.15	83.15	66.36	16.79	13.98	16.82%
1998	30.0	31.1	1.66	63.10	74.83	49.90	18.71	15.58	20.83%
1999	26.7	28.9	1.57	54.25	67.35	41.91	16.84	14.03	20.83%
2000	28.0	29.3	1.89	42.03	60.61	52.84	7.77	6.47	10.68%
2001	35.0	29.3	1.94	45.61	54.55	67.82	0.00	0.00	0.00%
2002	31.5	29.8	2.32	50.49	50.49	73.03	0.00	0.00	0.00%
2003	27.0	28.8	2.39	57.14	55.54	64.41	0.00	0.00	0.00%
2004	25.8	28.8	1.79	61.03	61.03	46.09	14.95	12.45	20.40%
2005	31.8	30.1	1.86	54.13	54.93	59.30	0.00	0.00	0.00%
2006	21.5	28.1	3.29	49.46	49.46	70.80	0.00	0.00	0.00%
2007	22.5	25.1	3.89	65.22	54.40	87.57	0.00	0.00	0.00%
<b>Average Payment</b>								2.56	3.83%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Arkansas**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	21.4	47.9	2.91	93.94	84.80	62.22	21.20	17.66	20.83%
1981	51.5	49.9	2.25	113.26	93.28	115.59	0.00	0.00	0.00%
1982	56.4	52.7	2.47	115.63	102.61	139.18	0.00	0.00	0.00%
1983	50.3	52.1	2.74	111.90	111.90	137.70	0.00	0.00	0.00%
1984	68.5	52.7	2.32	122.12	122.12	159.23	0.00	0.00	0.00%
1985	70.5	58.8	1.93	120.07	120.07	136.14	0.00	0.00	0.00%
1986	60.6	61.8	1.37	112.58	112.58	83.17	28.14	23.44	20.83%
1987	65.6	64.9	1.70	91.93	101.32	111.63	0.00	0.00	0.00%
1988	58.6	64.9	2.27	89.79	91.19	132.80	0.00	0.00	0.00%
1989	57.0	61.6	2.10	115.96	100.31	119.64	0.00	0.00	0.00%
1990	60.5	59.9	2.12	121.05	110.34	128.41	0.00	0.00	0.00%
1991	53.1	58.7	2.25	113.80	113.80	119.17	0.00	0.00	0.00%
1992	72.5	58.7	1.89	115.33	115.33	137.16	0.00	0.00	0.00%
1993	52.0	56.8	2.31	109.27	109.27	120.17	0.00	0.00	0.00%
1994	70.7	61.4	2.13	107.58	107.58	150.39	0.00	0.00	0.00%
1995	65.7	63.1	3.19	122.73	118.34	209.27	0.00	0.00	0.00%
1996	70.8	69.0	2.34	151.00	130.18	165.29	0.00	0.00	0.00%
1997	69.4	68.6	2.21	171.55	143.20	153.46	0.00	0.00	0.00%
1998	49.2	68.6	1.66	140.32	140.32	81.85	35.08	29.22	20.83%
1999	75.0	68.6	1.57	119.58	126.29	117.60	8.69	7.24	5.73%
2000	66.3	68.8	1.89	99.76	113.66	125.06	0.00	0.00	0.00%
2001	83.5	70.2	1.94	106.99	106.99	161.87	0.00	0.00	0.00%
2002	73.8	71.7	2.32	120.85	117.68	171.08	0.00	0.00	0.00%
2003	76.5	75.1	2.39	137.29	129.45	182.58	0.00	0.00	0.00%
2004	78.4	76.2	1.79	158.99	142.40	140.05	2.34	1.95	1.37%
2005	75.2	76.7	1.86	143.14	143.14	140.14	2.99	2.49	1.74%
2006	81.0	76.7	3.29	126.01	128.82	266.56	0.00	0.00	0.00%
2007	89.8	78.6	3.89	178.00	141.70	349.59	0.00	0.00	0.00%
<b>Average Payment</b>								2.73	2.38%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Colorado**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	25.0	21.6	2.91	35.59	31.43	72.66	0.00	0.00	0.00%
1981	26.5	24.1	2.25	50.96	34.58	59.45	0.00	0.00	0.00%
1982	26.6	25.9	2.47	55.99	38.03	65.62	0.00	0.00	0.00%
1983	23.6	25.9	2.74	55.05	41.84	64.61	0.00	0.00	0.00%
1984	31.8	26.0	2.32	60.81	46.02	73.95	0.00	0.00	0.00%
1985	30.3	27.8	1.93	59.26	50.62	58.48	0.00	0.00	0.00%
1986	30.8	29.2	1.37	53.19	53.19	42.24	10.94	9.12	17.14%
1987	22.6	28.2	1.70	43.43	47.87	38.43	9.44	7.86	16.42%
1988	30.7	30.6	2.27	39.04	43.08	69.55	0.00	0.00	0.00%
1989	28.4	29.8	2.10	54.63	47.39	59.72	0.00	0.00	0.00%
1990	38.3	30.0	2.12	58.56	52.13	81.28	0.00	0.00	0.00%
1991	33.8	31.0	2.25	56.94	56.94	75.79	0.00	0.00	0.00%
1992	29.0	31.1	1.89	60.84	60.84	54.81	6.03	5.02	8.26%
1993	34.0	32.2	2.31	57.96	57.96	78.64	0.00	0.00	0.00%
1994	35.7	34.5	2.13	61.01	61.01	75.97	0.00	0.00	0.00%
1995	23.1	32.2	3.19	68.91	67.11	73.61	0.00	0.00	0.00%
1996	45.7	32.9	2.34	77.09	73.82	106.78	0.00	0.00	0.00%
1997	31.6	33.8	2.21	81.71	81.20	69.85	11.35	9.45	11.64%
1998	52.7	37.7	1.66	69.08	73.08	87.69	0.00	0.00	0.00%
1999	37.4	38.2	1.57	65.69	65.77	58.70	7.07	5.89	8.96%
2000	24.0	38.2	1.89	55.61	59.19	45.29	13.90	11.58	19.56%
2001	30.5	33.2	1.94	59.47	59.47	59.13	0.34	0.28	0.47%
2002	5.1	30.7	2.32	57.10	57.10	11.92	14.28	11.89	20.83%
2003	16.0	23.5	2.39	58.70	58.70	38.17	14.68	12.22	20.83%
2004	19.3	19.8	1.79	49.76	52.83	34.45	13.21	11.00	20.83%
2005	21.3	18.9	1.86	37.10	47.55	39.74	7.80	6.50	13.67%
2006	12.1	15.8	3.29	31.00	42.79	39.75	3.04	2.54	5.93%
2007	25.2	18.9	3.89	36.64	38.51	98.18	0.00	0.00	0.00%
<b>Average Payment</b>								3.11	5.48%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Georgia**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	13.1	16.4	2.91	38.50	38.50	38.13	0.37	0.30	0.79%
1981	19.8	15.9	2.25	38.81	38.81	44.46	0.00	0.00	0.00%
1982	28.4	18.6	2.47	36.78	36.78	70.01	0.00	0.00	0.00%
1983	23.6	21.6	2.74	39.57	39.57	64.70	0.00	0.00	0.00%
1984	28.8	23.9	2.32	50.70	43.52	66.85	0.00	0.00	0.00%
1985	37.9	26.9	1.93	54.50	47.88	73.13	0.00	0.00	0.00%
1986	17.5	26.9	1.37	51.54	51.54	23.95	12.89	10.73	20.83%
1987	21.8	24.7	1.70	40.02	46.39	37.14	9.25	7.70	16.60%
1988	16.5	22.7	2.27	34.22	41.75	37.36	4.40	3.66	8.77%
1989	22.2	20.5	2.10	40.52	40.52	46.67	0.00	0.00	0.00%
1990	15.0	18.6	2.12	40.29	40.29	31.84	8.46	7.05	17.48%
1991	27.8	20.2	2.25	35.31	36.26	62.38	0.00	0.00	0.00%
1992	26.4	21.7	1.89	39.65	39.65	49.97	0.00	0.00	0.00%
1993	18.0	22.2	2.31	40.41	40.41	41.63	0.00	0.00	0.00%
1994	30.8	24.1	2.13	42.03	42.03	65.48	0.00	0.00	0.00%
1995	20.2	24.8	3.19	48.08	46.23	64.31	0.00	0.00	0.00%
1996	25.2	23.9	2.34	59.28	50.85	58.92	0.00	0.00	0.00%
1997	27.7	24.4	2.21	59.48	55.94	61.26	0.00	0.00	0.00%
1998	22.8	25.2	1.66	49.86	50.35	37.92	12.42	10.35	20.56%
1999	27.0	25.0	1.57	44.02	45.31	42.34	2.97	2.48	5.47%
2000	24.5	25.6	1.89	36.37	40.78	46.32	0.00	0.00	0.00%
2001	24.0	25.2	1.94	39.79	39.79	46.50	0.00	0.00	0.00%
2002	21.8	23.8	2.32	43.34	43.34	50.58	0.00	0.00	0.00%
2003	32.5	25.2	2.39	45.55	45.55	77.47	0.00	0.00	0.00%
2004	26.1	24.9	1.79	53.30	50.10	46.64	3.46	2.88	5.75%
2005	33.8	27.5	1.86	46.72	46.72	62.94	0.00	0.00	0.00%
2006	29.3	29.3	3.29	45.23	45.23	96.31	0.00	0.00	0.00%
2007	31.8	31.2	3.89	67.95	49.75	123.95	0.00	0.00	0.00%
<b>Average Payment</b>								1.78	3.90%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Illinois**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	49.0	52.1	2.91	103.39	93.98	142.33	0.00	0.00	0.00%
1981	50.4	52.5	2.25	123.05	103.38	113.18	0.00	0.00	0.00%
1982	64.1	54.5	2.47	121.79	113.72	158.38	0.00	0.00	0.00%
1983	45.2	51.8	2.74	115.65	115.65	123.74	0.00	0.00	0.00%
1984	61.5	53.6	2.32	121.38	121.38	142.82	0.00	0.00	0.00%
1985	72.4	58.7	1.93	122.12	122.12	139.84	0.00	0.00	0.00%
1986	82.6	66.0	1.37	112.35	112.35	113.34	0.00	0.00	0.00%
1987	80.3	71.4	1.70	98.11	101.11	136.65	0.00	0.00	0.00%
1988	66.7	73.1	2.27	98.73	98.73	151.20	0.00	0.00	0.00%
1989	77.5	76.7	2.10	130.61	108.61	162.68	0.00	0.00	0.00%
1990	69.6	75.8	2.12	150.77	119.47	147.81	0.00	0.00	0.00%
1991	76.9	74.7	2.25	144.01	131.42	172.66	0.00	0.00	0.00%
1992	99.2	74.7	1.89	146.76	144.56	187.74	0.00	0.00	0.00%
1993	75.8	76.7	2.31	139.05	139.05	175.27	0.00	0.00	0.00%
1994	95.7	82.8	2.13	145.18	145.18	203.65	0.00	0.00	0.00%
1995	66.7	82.8	3.19	165.45	159.70	212.53	0.00	0.00	0.00%
1996	81.3	84.3	2.34	197.99	175.67	189.83	0.00	0.00	0.00%
1997	87.2	81.4	2.21	209.36	193.24	192.90	0.33	0.28	0.14%
1998	72.0	80.2	1.66	166.62	173.91	119.72	43.48	36.22	20.83%
1999	92.2	80.2	1.57	139.79	156.52	144.49	12.03	10.02	6.40%
2000	89.7	86.1	1.89	116.56	140.87	169.32	0.00	0.00	0.00%
2001	101.1	89.7	1.94	133.83	133.83	195.82	0.00	0.00	0.00%
2002	78.9	86.9	2.32	154.38	147.21	182.81	0.00	0.00	0.00%
2003	78.3	86.9	2.39	166.45	161.94	186.73	0.00	0.00	0.00%
2004	105.2	89.9	1.79	183.97	178.13	187.85	0.00	0.00	0.00%
2005	89.8	89.9	1.86	168.74	168.74	167.52	1.21	1.01	0.60%
2006	85.4	84.7	3.29	147.74	151.86	281.34	0.00	0.00	0.00%
2007	78.0	84.5	3.89	196.60	167.05	303.43	0.00	0.00	0.00%
<b>Average Payment</b>								1.58	0.93%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Kansas**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	33.3	44.2	2.91	86.71	73.79	96.65	0.00	0.00	0.00%
1981	56.1	50.7	2.25	104.55	81.17	126.03	0.00	0.00	0.00%
1982	53.3	51.2	2.47	117.57	89.29	131.52	0.00	0.00	0.00%
1983	34.3	47.9	2.74	108.65	98.22	93.87	4.35	3.62	3.69%
1984	45.2	44.2	2.32	112.23	108.04	104.94	3.10	2.58	2.39%
1985	61.8	51.5	1.93	100.76	100.76	119.42	0.00	0.00	0.00%
1986	69.2	53.4	1.37	98.66	98.66	94.90	3.76	3.13	3.17%
1987	66.8	57.9	1.70	79.41	88.79	113.67	0.00	0.00	0.00%
1988	56.8	61.8	2.27	80.12	80.12	128.90	0.00	0.00	0.00%
1989	48.5	61.8	2.10	110.43	88.13	101.80	0.00	0.00	0.00%
1990	59.6	61.1	2.12	121.48	96.95	126.52	0.00	0.00	0.00%
1991	51.9	56.1	2.25	116.04	106.64	116.51	0.00	0.00	0.00%
1992	73.9	56.1	1.89	110.29	110.29	139.95	0.00	0.00	0.00%
1993	58.8	56.8	2.31	104.49	104.49	135.99	0.00	0.00	0.00%
1994	72.2	63.5	2.13	107.43	107.43	153.62	0.00	0.00	0.00%
1995	52.6	61.2	3.19	126.96	118.17	167.62	0.00	0.00	0.00%
1996	73.8	68.3	2.34	146.35	129.99	172.32	0.00	0.00	0.00%
1997	72.7	67.9	2.21	169.61	142.99	160.72	0.00	0.00	0.00%
1998	75.4	72.9	1.66	138.90	138.90	125.45	13.45	11.20	8.07%
1999	71.8	72.7	1.57	127.09	127.09	112.55	14.54	12.11	9.53%
2000	53.9	72.7	1.89	105.77	114.38	101.80	12.58	10.48	9.16%
2001	58.1	67.5	1.94	113.10	113.10	112.62	0.48	0.40	0.35%
2002	35.5	61.3	2.32	116.21	116.21	82.36	29.05	24.20	20.83%
2003	36.8	49.6	2.39	117.37	117.37	87.70	29.34	24.44	20.83%
2004	68.9	49.6	1.79	105.01	105.63	123.04	0.00	0.00	0.00%
2005	70.9	54.6	1.86	93.14	95.07	132.23	0.00	0.00	0.00%
2006	52.7	52.8	3.29	89.69	89.69	173.62	0.00	0.00	0.00%
2007	75.7	64.2	3.89	122.52	98.66	294.68	0.00	0.00	0.00%
<b>Average Payment</b>								3.07	2.60%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Kentucky**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	32.5	37.8	2.91	75.74	69.53	94.46	0.00	0.00	0.00%
1981	54.9	42.4	2.25	89.37	76.48	123.23	0.00	0.00	0.00%
1982	55.4	48.5	2.47	98.36	84.13	136.86	0.00	0.00	0.00%
1983	40.1	48.1	2.74	102.92	92.55	109.94	0.00	0.00	0.00%
1984	70.8	50.1	2.32	112.75	101.80	164.47	0.00	0.00	0.00%
1985	76.3	60.4	1.93	114.24	111.98	147.35	0.00	0.00	0.00%
1986	71.3	65.8	1.37	115.59	115.59	97.76	17.84	14.86	12.85%
1987	57.3	66.4	1.70	97.85	104.03	97.50	6.53	5.44	5.23%
1988	36.7	66.4	2.27	91.91	93.63	83.16	10.47	8.72	9.31%
1989	55.4	61.3	2.10	118.69	102.99	116.31	0.00	0.00	0.00%
1990	74.4	61.3	2.12	120.50	113.29	157.91	0.00	0.00	0.00%
1991	63.9	58.8	2.25	116.48	116.48	143.44	0.00	0.00	0.00%
1992	77.7	64.6	1.89	115.66	115.66	147.12	0.00	0.00	0.00%
1993	53.6	64.6	2.31	120.22	120.22	123.90	0.00	0.00	0.00%
1994	67.5	68.6	2.13	122.17	122.17	143.57	0.00	0.00	0.00%
1995	73.9	68.4	3.19	137.05	134.39	235.54	0.00	0.00	0.00%
1996	81.4	73.0	2.34	163.63	147.82	190.05	0.00	0.00	0.00%
1997	53.2	65.0	2.21	181.48	162.61	117.64	40.65	33.86	20.83%
1998	64.0	68.5	1.66	132.98	146.35	106.44	36.59	30.48	20.83%
1999	64.0	67.3	1.57	119.39	131.71	100.35	31.36	26.12	19.83%
2000	69.5	65.8	1.89	97.87	118.54	131.25	0.00	0.00	0.00%
2001	77.3	65.8	1.94	102.38	106.69	149.72	0.00	0.00	0.00%
2002	62.5	65.8	2.32	113.34	113.34	144.90	0.00	0.00	0.00%
2003	92.1	70.3	2.39	126.11	124.67	219.76	0.00	0.00	0.00%
2004	69.3	72.1	1.79	148.75	137.14	123.86	13.28	11.06	8.07%
2005	86.4	77.7	1.86	135.27	135.27	161.12	0.00	0.00	0.00%
2006	75.6	77.1	3.29	127.61	127.61	248.79	0.00	0.00	0.00%
2007	72.0	78.0	3.89	178.93	140.37	280.22	0.00	0.00	0.00%
<b>Average Payment</b>								4.35	3.23%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Louisiana**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	14.9	20.0	2.91	39.15	37.86	43.23	0.00	0.00	0.00%
1981	28.8	20.3	2.25	47.20	41.64	64.67	0.00	0.00	0.00%
1982	46.1	23.6	2.47	47.08	45.81	113.75	0.00	0.00	0.00%
1983	50.4	32.6	2.74	50.12	50.12	138.02	0.00	0.00	0.00%
1984	60.3	41.8	2.32	76.29	55.13	140.12	0.00	0.00	0.00%
1985	65.6	52.3	1.93	95.12	60.65	126.74	0.00	0.00	0.00%
1986	64.3	58.3	1.37	100.07	66.71	88.25	0.00	0.00	0.00%
1987	60.7	61.8	1.70	86.74	73.38	103.26	0.00	0.00	0.00%
1988	55.7	61.8	2.27	85.44	80.72	126.36	0.00	0.00	0.00%
1989	56.1	60.4	2.10	110.34	88.80	117.89	0.00	0.00	0.00%
1990	61.6	59.5	2.12	118.67	97.67	130.80	0.00	0.00	0.00%
1991	49.4	57.5	2.25	113.00	107.44	110.86	0.00	0.00	0.00%
1992	66.2	57.8	1.89	113.02	113.02	125.35	0.00	0.00	0.00%
1993	55.4	57.7	2.31	107.69	107.69	128.09	0.00	0.00	0.00%
1994	64.3	60.5	2.13	109.23	109.23	136.91	0.00	0.00	0.00%
1995	67.6	62.0	3.19	120.80	120.15	215.36	0.00	0.00	0.00%
1996	75.0	66.1	2.34	148.23	132.17	175.19	0.00	0.00	0.00%
1997	73.3	68.4	2.21	164.12	145.39	162.21	0.00	0.00	0.00%
1998	57.7	68.4	1.66	140.00	140.00	95.95	35.00	29.16	20.83%
1999	80.3	72.0	1.57	119.31	126.00	125.90	0.10	0.09	0.07%
2000	81.1	76.2	1.89	104.66	113.40	153.08	0.00	0.00	0.00%
2001	77.6	77.1	1.94	118.50	118.50	150.37	0.00	0.00	0.00%
2002	74.3	77.4	2.32	132.66	130.35	172.14	0.00	0.00	0.00%
2003	82.5	79.7	2.39	148.20	143.39	196.81	0.00	0.00	0.00%
2004	61.2	77.7	1.79	168.65	157.73	109.29	39.43	32.85	20.83%
2005	96.8	78.1	1.86	145.79	145.79	180.51	0.00	0.00	0.00%
2006	92.8	83.2	3.29	128.35	131.21	305.57	0.00	0.00	0.00%
2007	95.1	90.1	3.89	193.06	144.34	369.97	0.00	0.00	0.00%
<b>Average Payment</b>								2.07	1.39%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Mississippi**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	17.7	16.6	2.91	32.61	31.15	51.54	0.00	0.00	0.00%
1981	33.7	16.6	2.25	39.31	34.26	75.61	0.00	0.00	0.00%
1982	41.1	23.6	2.47	38.56	37.69	101.42	0.00	0.00	0.00%
1983	47.6	31.4	2.74	50.05	41.46	130.34	0.00	0.00	0.00%
1984	57.1	40.8	2.32	73.51	45.60	132.61	0.00	0.00	0.00%
1985	61.0	48.6	1.93	92.89	50.16	117.94	0.00	0.00	0.00%
1986	57.6	54.1	1.37	93.03	55.18	79.03	0.00	0.00	0.00%
1987	58.9	57.9	1.70	80.41	60.70	100.28	0.00	0.00	0.00%
1988	52.6	57.9	2.27	80.04	66.77	119.31	0.00	0.00	0.00%
1989	45.1	56.4	2.10	103.37	73.44	94.61	0.00	0.00	0.00%
1990	61.4	56.4	2.12	110.80	80.79	130.29	0.00	0.00	0.00%
1991	56.0	55.8	2.25	107.11	88.86	125.75	0.00	0.00	0.00%
1992	65.6	56.7	1.89	109.75	97.75	124.22	0.00	0.00	0.00%
1993	60.4	59.2	2.31	105.53	105.53	139.59	0.00	0.00	0.00%
1994	70.0	62.5	2.13	112.13	112.13	148.96	0.00	0.00	0.00%
1995	59.2	61.7	3.19	124.81	123.34	188.71	0.00	0.00	0.00%
1996	67.2	64.4	2.34	147.64	135.68	156.93	0.00	0.00	0.00%
1997	70.7	65.9	2.21	160.00	149.24	156.42	0.00	0.00	0.00%
1998	58.5	65.5	1.66	134.75	134.75	97.30	33.69	28.06	20.83%
1999	81.2	65.7	1.57	114.18	121.27	127.32	0.00	0.00	0.00%
2000	74.5	70.8	1.89	95.55	109.15	140.66	0.00	0.00	0.00%
2001	79.3	74.8	1.94	110.11	110.11	153.59	0.00	0.00	0.00%
2002	78.0	77.3	2.32	128.81	121.12	180.75	0.00	0.00	0.00%
2003	81.8	79.5	2.39	147.96	133.23	195.05	0.00	0.00	0.00%
2004	71.1	77.3	1.79	168.24	146.55	127.01	19.54	16.28	11.11%
2005	73.6	76.9	1.86	145.04	145.04	137.25	7.79	6.49	4.47%
2006	69.3	74.2	3.29	126.42	130.53	228.30	0.00	0.00	0.00%
2007	65.0	71.3	3.89	172.26	143.59	253.11	0.00	0.00	0.00%
<b>Average Payment</b>								1.88	1.81%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Missouri**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1978	71.3	54.4	2.01	92.50	94.87	143.32	0.00	0.00	0.00%
1979	72.0	63.2	2.35	93.72	93.72	168.94	0.00	0.00	0.00%
1980	43.3	63.2	2.91	123.82	103.09	125.86	0.00	0.00	0.00%
1981	70.8	68.9	2.25	149.28	113.40	159.07	0.00	0.00	0.00%
1982	72.6	71.4	2.47	159.80	124.74	179.35	0.00	0.00	0.00%
1983	54.1	65.6	2.74	151.45	137.21	148.10	0.00	0.00	0.00%
1984	65.6	63.5	2.32	153.83	150.94	152.34	0.00	0.00	0.00%
1985	80.7	69.7	1.93	144.63	144.63	155.93	0.00	0.00	0.00%
1986	77.0	71.7	1.37	133.43	133.43	105.58	27.86	23.21	17.39%
1987	81.5	74.4	1.70	106.62	120.09	138.67	0.00	0.00	0.00%
1988	76.1	77.9	2.27	102.94	108.08	172.69	0.00	0.00	0.00%
1989	75.1	77.9	2.10	139.24	118.89	157.61	0.00	0.00	0.00%
1990	77.5	76.9	2.12	153.19	130.78	164.54	0.00	0.00	0.00%
1991	68.1	76.2	2.25	146.06	143.86	152.86	0.00	0.00	0.00%
1992	92.7	76.2	1.89	149.86	149.86	175.38	0.00	0.00	0.00%
1993	65.7	73.6	2.31	141.98	141.98	151.95	0.00	0.00	0.00%
1994	86.8	77.5	2.13	139.19	139.19	184.80	0.00	0.00	0.00%
1995	68.8	74.6	3.19	154.83	153.11	219.19	0.00	0.00	0.00%
1996	87.9	81.2	2.34	178.33	168.43	205.18	0.00	0.00	0.00%
1997	87.6	81.1	2.21	201.67	185.27	193.81	0.00	0.00	0.00%
1998	80.5	85.0	1.66	165.92	166.74	133.86	32.88	27.39	16.43%
1999	68.8	79.0	1.57	148.20	150.07	107.85	37.52	31.25	20.83%
2000	88.7	85.3	1.89	114.82	135.06	167.42	0.00	0.00	0.00%
2001	89.9	85.6	1.94	132.66	132.66	174.22	0.00	0.00	0.00%
2002	80.8	83.3	2.32	147.34	145.93	187.21	0.00	0.00	0.00%
2003	75.2	81.6	2.39	159.57	159.57	179.42	0.00	0.00	0.00%
2004	104.4	86.5	1.79	172.64	172.64	186.50	0.00	0.00	0.00%
2005	73.2	82.0	1.86	162.32	162.32	136.48	25.84	21.53	13.26%
2006	80.8	78.9	3.29	134.66	146.09	265.89	0.00	0.00	0.00%
2007	91.6	82.5	3.89	183.13	160.70	356.65	0.00	0.00	0.00%
<b>Average Payment</b>								3.45	2.26%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Nebraska**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	55.4	62.6	2.91	120.48	104.73	160.91	0.00	0.00	0.00%
1981	71.7	68.0	2.25	147.88	115.20	160.90	0.00	0.00	0.00%
1982	65.9	68.7	2.47	157.63	126.72	162.71	0.00	0.00	0.00%
1983	50.8	64.3	2.74	145.67	139.39	139.20	0.19	0.16	0.11%
1984	57.9	59.7	2.32	150.70	150.70	134.57	16.13	13.43	8.91%
1985	73.5	65.1	1.93	136.04	136.04	142.05	0.00	0.00	0.00%
1986	80.1	65.8	1.37	124.77	124.77	109.90	14.87	12.39	9.93%
1987	73.5	68.3	1.70	97.79	112.29	125.16	0.00	0.00	0.00%
1988	64.6	70.5	2.27	94.51	101.06	146.51	0.00	0.00	0.00%
1989	54.6	70.5	2.10	126.04	111.17	114.72	0.00	0.00	0.00%
1990	67.9	68.7	2.12	138.67	122.29	144.02	0.00	0.00	0.00%
1991	60.3	64.3	2.25	130.46	130.46	135.41	0.00	0.00	0.00%
1992	84.6	64.3	1.89	126.29	126.29	160.13	0.00	0.00	0.00%
1993	52.7	60.9	2.31	119.66	119.66	121.84	0.00	0.00	0.00%
1994	84.0	70.7	2.13	115.31	115.31	178.75	0.00	0.00	0.00%
1995	45.5	65.7	3.19	141.32	126.84	144.89	0.00	0.00	0.00%
1996	78.3	71.7	2.34	157.02	139.52	182.80	0.00	0.00	0.00%
1997	67.5	66.2	2.21	178.04	153.47	149.31	4.16	3.47	2.26%
1998	80.6	75.5	1.66	135.36	138.13	134.01	4.12	3.43	2.48%
1999	77.8	74.5	1.57	131.57	131.57	121.93	9.64	8.03	6.10%
2000	58.3	74.5	1.89	108.35	118.42	110.09	8.33	6.94	5.86%
2001	64.9	70.1	1.94	115.86	115.86	125.77	0.00	0.00	0.00%
2002	35.6	67.0	2.32	120.58	120.58	82.43	30.15	25.11	20.83%
2003	47.0	56.7	2.39	128.32	128.32	112.05	16.27	13.55	10.56%
2004	58.9	54.7	1.79	120.10	120.10	105.14	14.96	12.46	10.38%
2005	64.0	56.6	1.86	102.73	108.09	119.29	0.00	0.00	0.00%
2006	51.9	52.6	3.29	92.99	97.28	170.87	0.00	0.00	0.00%
2007	67.2	58.2	3.89	122.02	107.01	261.54	0.00	0.00	0.00%
<b>Average Payment</b>								3.30	2.58%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, North Carolina**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	21.7	28.7	2.91	64.49	63.82	62.98	0.84	0.70	1.09%
1981	34.9	28.7	2.25	67.95	67.95	78.31	0.00	0.00	0.00%
1982	33.3	32.6	2.47	66.65	66.65	82.32	0.00	0.00	0.00%
1983	20.4	29.5	2.74	69.25	69.25	55.82	13.43	11.19	16.16%
1984	37.8	30.0	2.32	69.12	69.12	87.88	0.00	0.00	0.00%
1985	35.8	34.7	1.93	68.25	68.25	69.21	0.00	0.00	0.00%
1986	16.5	29.8	1.37	66.41	66.41	22.60	16.60	13.83	20.83%
1987	25.1	27.1	1.70	44.37	59.77	42.70	14.94	12.45	20.83%
1988	27.2	29.4	2.27	37.49	53.79	61.64	0.00	0.00	0.00%
1989	36.0	29.4	2.10	52.46	52.46	75.60	0.00	0.00	0.00%
1990	28.3	26.9	2.12	57.71	57.70	60.08	0.00	0.00	0.00%
1991	27.8	27.8	2.25	51.03	51.93	62.38	0.00	0.00	0.00%
1992	25.0	27.8	1.89	54.55	54.55	47.32	7.23	6.03	11.04%
1993	27.0	27.7	2.31	51.69	51.69	62.45	0.00	0.00	0.00%
1994	31.4	27.7	2.13	52.41	52.41	66.88	0.00	0.00	0.00%
1995	43.3	28.7	3.19	55.34	55.34	138.08	0.00	0.00	0.00%
1996	30.0	29.5	2.34	68.72	60.88	70.06	0.00	0.00	0.00%
1997	27.5	29.6	2.21	73.24	66.97	60.83	6.14	5.11	7.63%
1998	25.7	29.6	1.66	60.66	60.66	42.77	15.16	12.63	20.83%
1999	29.1	28.9	1.57	51.69	54.59	45.55	9.04	7.53	13.79%
2000	33.3	28.9	1.89	41.95	49.13	62.91	0.00	0.00	0.00%
2001	51.3	30.0	1.94	44.86	44.86	99.46	0.00	0.00	0.00%
2002	29.6	30.7	2.32	51.57	49.34	68.73	0.00	0.00	0.00%
2003	38.9	34.0	2.39	58.75	54.28	92.77	0.00	0.00	0.00%
2004	42.8	38.3	1.79	71.88	59.71	76.50	0.00	0.00	0.00%
2005	40.6	40.8	1.86	72.00	65.68	75.76	0.00	0.00	0.00%
2006	35.9	38.5	3.29	67.00	67.00	118.35	0.00	0.00	0.00%
2007	36.0	38.5	3.89	89.32	73.70	140.11	0.00	0.00	0.00%
<b>Average Payment</b>								2.37	3.82%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Oklahoma**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	23.3	25.4	2.91	51.63	46.55	67.76	0.00	0.00	0.00%
1981	35.3	28.7	2.25	60.14	51.21	79.16	0.00	0.00	0.00%
1982	34.0	30.7	2.47	66.55	56.33	83.97	0.00	0.00	0.00%
1983	28.3	31.8	2.74	65.11	61.96	77.46	0.00	0.00	0.00%
1984	34.0	32.1	2.32	74.52	68.16	78.93	0.00	0.00	0.00%
1985	38.8	34.4	1.93	73.09	73.09	74.95	0.00	0.00	0.00%
1986	42.8	35.6	1.37	65.89	65.89	58.67	7.22	6.01	9.13%
1987	41.9	38.2	1.70	52.91	59.30	71.35	0.00	0.00	0.00%
1988	39.5	40.1	2.27	52.88	53.37	89.61	0.00	0.00	0.00%
1989	44.1	41.4	2.10	71.60	58.71	92.61	0.00	0.00	0.00%
1990	43.3	42.7	2.12	81.37	64.58	91.88	0.00	0.00	0.00%
1991	39.4	41.6	2.25	81.05	71.04	88.54	0.00	0.00	0.00%
1992	48.6	42.3	1.89	81.71	78.14	91.96	0.00	0.00	0.00%
1993	43.9	43.8	2.31	78.78	78.78	101.62	0.00	0.00	0.00%
1994	43.8	43.7	2.13	82.85	82.85	93.10	0.00	0.00	0.00%
1995	36.6	42.4	3.19	87.25	87.25	116.53	0.00	0.00	0.00%
1996	55.6	45.4	2.34	101.33	95.97	129.83	0.00	0.00	0.00%
1997	45.9	44.5	2.21	112.87	105.57	101.57	4.00	3.33	3.15%
1998	37.3	42.3	1.66	91.13	95.01	62.07	23.75	19.79	20.83%
1999	40.9	41.4	1.57	73.81	85.51	64.15	21.37	17.80	20.81%
2000	30.4	41.4	1.89	60.17	76.96	57.37	19.24	16.03	20.83%
2001	30.2	36.2	1.94	64.34	69.26	58.59	10.67	8.89	12.83%
2002	31.4	33.0	2.32	62.32	62.34	72.79	0.00	0.00	0.00%
2003	30.8	30.9	2.39	63.27	63.27	73.56	0.00	0.00	0.00%
2004	53.3	30.9	1.79	65.36	65.36	95.27	0.00	0.00	0.00%
2005	42.7	35.0	1.86	57.97	58.82	79.56	0.00	0.00	0.00%
2006	25.2	35.0	3.29	57.45	57.45	82.93	0.00	0.00	0.00%
2007	53.2	42.2	3.89	81.15	63.19	206.92	0.00	0.00	0.00%
<b>Average Payment</b>								2.39	2.92%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, South Carolina**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	11.0	16.4	2.91	39.35	37.11	31.97	5.13	4.28	11.53%
1981	16.5	15.5	2.25	38.72	38.72	36.96	1.76	1.47	3.79%
1982	26.8	19.2	2.47	36.01	36.01	66.27	0.00	0.00	0.00%
1983	18.0	18.8	2.74	40.79	39.61	49.29	0.00	0.00	0.00%
1984	26.1	20.2	2.32	44.16	43.57	60.58	0.00	0.00	0.00%
1985	27.6	23.6	1.93	45.96	45.96	53.35	0.00	0.00	0.00%
1986	15.5	23.6	1.37	45.26	45.26	21.29	11.32	9.43	20.83%
1987	13.9	19.9	1.70	35.14	40.74	23.62	10.18	8.48	20.83%
1988	9.1	18.5	2.27	27.48	36.66	20.74	9.17	7.64	20.83%
1989	15.0	14.8	2.10	33.03	33.03	31.50	1.53	1.27	3.85%
1990	6.6	12.7	2.12	29.08	29.73	14.01	7.43	6.19	20.83%
1991	14.3	12.4	2.25	24.08	26.75	32.00	0.00	0.00	0.00%
1992	24.5	12.8	1.89	24.42	24.42	46.46	0.00	0.00	0.00%
1993	8.0	12.4	2.31	23.83	23.83	18.50	5.33	4.44	18.63%
1994	21.3	14.5	2.13	23.50	23.50	45.40	0.00	0.00	0.00%
1995	21.3	19.0	3.19	29.03	25.85	67.98	0.00	0.00	0.00%
1996	25.0	22.4	2.34	45.37	28.43	58.38	0.00	0.00	0.00%
1997	28.7	22.6	2.21	55.67	31.28	63.41	0.00	0.00	0.00%
1998	17.5	22.6	1.66	46.15	34.40	29.11	5.30	4.41	12.83%
1999	32.3	25.0	1.57	39.33	37.85	50.57	0.00	0.00	0.00%
2000	40.4	28.6	1.89	36.35	36.35	76.33	0.00	0.00	0.00%
2001	48.8	33.8	1.94	44.53	39.99	94.46	0.00	0.00	0.00%
2002	12.9	30.1	2.32	58.15	43.98	29.81	11.00	9.16	20.83%
2003	37.1	36.6	2.39	57.58	48.38	88.61	0.00	0.00	0.00%
2004	37.1	38.2	1.79	77.50	53.22	66.35	0.00	0.00	0.00%
2005	35.7	36.7	1.86	71.80	58.54	66.57	0.00	0.00	0.00%
2006	32.5	35.1	3.29	60.24	60.24	106.87	0.00	0.00	0.00%
2007	23.8	35.1	3.89	81.46	66.26	92.63	0.00	0.00	0.00%
<b>Average Payment</b>								1.89	5.16%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, South Dakota**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	22.1	29.5	2.91	53.57	40.80	64.27	0.00	0.00	0.00%
1981	32.6	33.0	2.25	69.67	44.88	73.23	0.00	0.00	0.00%
1982	35.9	33.5	2.47	76.44	49.36	88.75	0.00	0.00	0.00%
1983	34.1	32.9	2.74	71.12	54.30	93.31	0.00	0.00	0.00%
1984	33.2	33.3	2.32	77.10	59.73	77.04	0.00	0.00	0.00%
1985	26.8	33.3	1.93	75.81	65.70	51.75	13.95	11.62	17.69%
1986	31.2	32.8	1.37	63.73	63.73	42.78	15.93	13.27	20.83%
1987	39.8	32.8	1.70	48.77	57.36	67.67	0.00	0.00	0.00%
1988	23.9	30.4	2.27	45.38	51.63	54.23	0.00	0.00	0.00%
1989	22.6	27.3	2.10	54.26	54.26	47.48	6.79	5.65	10.42%
1990	28.6	27.9	2.12	53.65	53.65	60.70	0.00	0.00	0.00%
1991	26.0	26.2	2.25	53.01	53.01	58.48	0.00	0.00	0.00%
1992	24.2	24.7	1.89	51.47	51.47	45.88	5.58	4.65	9.04%
1993	30.0	26.3	2.31	46.06	46.32	69.38	0.00	0.00	0.00%
1994	40.6	28.2	2.13	49.76	49.76	86.45	0.00	0.00	0.00%
1995	19.2	26.8	3.19	56.38	54.74	61.18	0.00	0.00	0.00%
1996	34.7	29.6	2.34	64.00	60.21	80.97	0.00	0.00	0.00%
1997	42.1	35.1	2.21	73.64	66.23	93.07	0.00	0.00	0.00%
1998	49.7	39.1	1.66	71.82	71.82	82.66	0.00	0.00	0.00%
1999	23.2	33.3	1.57	68.23	68.23	36.38	17.06	14.21	20.83%
2000	32.7	36.5	1.89	48.44	61.40	61.65	0.00	0.00	0.00%
2001	36.9	37.2	1.94	56.71	56.71	71.45	0.00	0.00	0.00%
2002	13.9	30.9	2.32	64.04	62.38	32.25	15.59	12.99	20.83%
2003	25.0	27.0	2.39	59.21	59.21	59.64	0.00	0.00	0.00%
2004	25.2	27.6	1.79	57.06	57.06	45.02	12.04	10.03	17.58%
2005	24.6	24.9	1.86	51.86	51.86	45.79	6.07	5.05	9.75%
2006	13.1	21.2	3.29	40.94	46.67	43.11	3.57	2.97	6.37%
2007	38.4	24.9	3.89	49.10	49.10	149.38	0.00	0.00	0.00%
<b>Average Payment</b>								2.68	4.44%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.

**Table 4. (7/14/08) Sorghum ACRE Program, Tennessee**

Year	Planted Yield <sup>1</sup>	Olympic Average Yield <sup>2</sup>	MYA Price per Bu.	Benchmark Revenue * 90%	10% Cup/Cap on Benchmark <sup>3</sup>	Revenue to Count	Pymt on 83.3% Planted Acre	Pymt per Planted Ac. <sup>4,5</sup>	% of Coverage Paid
1980	31.8	28.5	2.91	51.81	50.10	92.48	0.00	0.00	0.00%
1981	44.7	30.6	2.25	67.44	55.12	100.40	0.00	0.00	0.00%
1982	55.3	36.5	2.47	71.01	60.63	136.45	0.00	0.00	0.00%
1983	45.8	41.1	2.74	77.37	66.69	125.34	0.00	0.00	0.00%
1984	74.3	48.6	2.32	96.36	73.36	172.64	0.00	0.00	0.00%
1985	77.5	58.4	1.93	110.66	80.69	149.73	0.00	0.00	0.00%
1986	59.6	63.0	1.37	111.92	88.76	81.75	7.02	5.84	6.58%
1987	60.0	64.6	1.70	93.73	93.73	102.14	0.00	0.00	0.00%
1988	50.6	64.6	2.27	89.40	89.40	114.66	0.00	0.00	0.00%
1989	57.9	59.1	2.10	115.46	98.35	121.50	0.00	0.00	0.00%
1990	70.6	59.1	2.12	116.26	108.18	149.81	0.00	0.00	0.00%
1991	56.3	58.1	2.25	112.38	112.38	126.50	0.00	0.00	0.00%
1992	73.8	61.6	1.89	114.13	114.13	139.78	0.00	0.00	0.00%
1993	69.3	65.9	2.31	114.70	114.70	160.35	0.00	0.00	0.00%
1994	75.4	71.3	2.13	124.76	124.76	160.51	0.00	0.00	0.00%
1995	65.3	69.5	3.19	142.39	137.24	207.91	0.00	0.00	0.00%
1996	67.5	70.2	2.34	166.15	150.96	157.63	0.00	0.00	0.00%
1997	52.5	67.4	2.21	174.49	166.06	116.13	41.52	34.58	20.83%
1998	56.0	62.9	1.66	137.84	149.45	93.14	37.36	31.12	20.83%
1999	63.0	61.4	1.57	109.72	134.51	98.78	33.63	28.01	20.83%
2000	66.0	61.7	1.89	89.30	121.06	124.56	0.00	0.00	0.00%
2001	70.4	61.7	1.94	95.88	108.95	136.41	0.00	0.00	0.00%
2002	69.3	66.1	2.32	106.14	106.14	160.74	0.00	0.00	0.00%
2003	72.9	68.6	2.39	126.62	116.75	173.88	0.00	0.00	0.00%
2004	76.5	70.9	1.79	145.17	128.43	136.66	0.00	0.00	0.00%
2005	83.6	73.3	1.86	133.06	133.06	155.97	0.00	0.00	0.00%
2006	74.6	74.7	3.29	120.37	120.37	245.78	0.00	0.00	0.00%
2007	60.5	74.7	3.89	173.32	132.41	235.29	0.00	0.00	0.00%
<b>Average Payment</b>								3.32	2.30%

<sup>1</sup>If planted yield was not available, harvested yield was substituted.

<sup>2</sup>The farmer's 5 year Olympic average yield is divided by the State 5 year Olympic average yield times the state payment to generate the individual farmer payment.

<sup>3</sup>Farmer must also show a revenue loss below the Farm's benchmark revenue to receive a payment + premiums paid for crop insurance.

<sup>4</sup>Farmers selecting ACRE must select this program for all crops.

<sup>5</sup>Enrollment in ACRE will reduce a farmers' direct payments by 20% and reduce their marketing loan rate by 30%.