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Durbin-Brown Expected State Yields in Revenue Guarantee¹

Senator Durbin (D-IL) and Senator Brown (D-OH) have introduced legislation that would change the current farm safety net. The Durbin-Brown plan is a Group Risk Income Protection (GRIP) with **no** Harvest Revenue Option but based on state expected yields rather than county yields. Durbin-Brown is effectively a “put option” on expected state revenue. The Durbin-Brown revenue guarantee is based on a trend adjusted yield using linear regression based on the state yields for the 27 years from 1980-2006. Once the trend yield is calculated then USDA would forecast off of the trend line to generate the expected state yields for future years of the farm program based on this selected set of state yields (the expected state yields by crop by state are presented below).

The Durbin-Brown revenue guarantee is the expected state yield based on the Durbin-Brown formula times the Durbin-Brown strike price times 90%. The state payment is then allocated to the farm level through a formula but if there is no state payment to allocate then there are no farm payments. The Durbin-Brown strike price is the three year average Crop Revenue Coverage (CRC)/Revenue Assurance (RA) price subject to a 15% price cap and cup.

The revenue to count against the Durbin-Brown guarantee is the observed state yield times the CRC/RA harvest price. The legislation does not specify using CRC or the RA price but it could make a difference. The CRC price is capped at \$2 for wheat. Therefore

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if prices increase beyond the \$2 limit then the CRC harvest price will be lower than the RA harvest price. The CRC lower price would reduce the number of dollars to count against the guarantee and increase the Durbin-Brown payment. However, only Portland wheat has hit the CRC price limit but it could happen on other crops in the future with a short crop. All of the analysis in this paper used CRC prices.

Many policy observers believe there will be some type of revenue guarantee similar to Durbin-Brown in the Farm Bill as an option. It will be presented as a choice but with current strike prices in Durbin-Brown that are much higher than the effective target prices and loan rates, economics will cause farmers to select the Durbin-Brown option. Durbin-Brown would replace the counter cyclical and marketing loan payments.

It clearly makes a difference in the expected yield depending on the crop years selected to calculate the expected trend yield. Just eliminating one year and using 26 years to set the state expected yield would reduce Kansas corn yield by about 3.5% while increasing Iowa corn yield by about 0.5% and Kansas wheat yield by 0.9%. Kansas wheat would prefer the 18 years 1989-2006 be used to set the Durbin-Brown expected yield. That change would increase the expected Kansas wheat yield by more than 5% while reducing the Kansas corn yield by more than 10% (Table 7).

The longer data set provides more observations and reduces the effects of recent weather problems. Also it is better to prorate the payment than increase the deductible for budget reasons. If one were to set the deductible high enough there would be no claims.

The argument for deducting Durbin-Brown payments from crop insurance indemnity payments is to prevent farmers from being paid twice for the same loss, but is that true? Let's assume a revenue insured corn farm with a 133 bushel aph times a \$4 planting price times 75% coverage would generate a revenue guarantee of \$400. The farmer's expected revenue is the average yield of 133 bushels (if there have been recent weather problems, the farmer's expected yield would be higher than the aph) times \$4 new crop price equals \$532. Let's assume the farmer has a yield loss and produces 100 bushels and the price falls to \$3. This farmer has \$300 of sales to count against the \$400 guarantee and the indemnity payment is \$100 (less premium paid). The farmer's total revenue is the sum of the \$300 of sales and a \$100 crop insurance indemnity payment for a total of \$400 and he is short \$132 from the expected revenue of \$532.

Let's assume the state revenue was also low and this farmer received a Durbin-Brown payment of \$50. Under the proposal the \$50 Durbin-Brown payment would be deducted from the crop insurance indemnity payment and the farmer would be paid the net indemnity payment of \$50. The farmer's total revenue is the sum of the \$300 of sales, \$50 Durbin-Brown payment and a \$50 crop insurance indemnity payment for a total of \$400 and he is short \$132 from the expected revenue of \$532.

Durbin-Brown is not a perfect safety net. Durbin-Brown will have reduced payments in states with "high" negative price-yield correlation because when low yields occur they cause higher prices, especially at the state and national level. The negative price-yield

correlations are greater in the core growing states, i.e. Kansas wheat, Iowa corn. Because of a near record 24% increase in wheat prices combined with a state yield that was more than 25% below the expected 2007 yield, the Durbin-Brown plan would not have triggered payments based on 2007 Kansas wheat losses.

The expected state revenue for 2007 Kansas wheat based on the Durbin-Brown formula would have been 36.7 bushels times 90% times \$3.87 Durbin-Brown planting price² equals \$127.83 revenue guarantee. The revenue to count was the observed 2007 state yield of 27.3 bushels times the Durbin-Brown harvest price of \$5.62 equals \$153.43.³ Because the revenue to count exceeds the guarantee, the 2007 Kansas wheat Durbin-Brown payment is zero. It would have required a Kansas yield that is below 22.7 bushels to trigger payments. The 2007 Kansas yield was 35.6% below the expected but it would require a yield loss greater than 38.1% to trigger 2007 Durbin-Brown payments on Kansas wheat.

The 2007 Kansas wheat yields ranged between zero in Central Kansas to a bumper crop in Northwest Kansas. Crop insurance will provided indemnity payments based on either farm level or county level yields. If there had been a Durbin-Brown payment this year, farmers with a bumper wheat crop would also have received the payment while crop insurance targets payments to farmers with losses.

The proposed permanent disaster program would also provide little help this year because Kansas' fall crop yields will likely offset the wheat losses, unless the farm was a single enterprise wheat farm with losses.

Is the real issue overrating of crop insurance for corn or are policy makers buying the argument by some economists that government can provide crop insurance services cheaper than the private sector? Clearly many people would find the argument that government can provide the same level of service as the private sector for a lower cost to be very unconvincing. However, the argument of overrating of crop insurance in the Corn Belt has some supporting evidence.

If the issue is rating then policy makers need a thorough review of RMA rating methods by a consulting actuary. It has been several years since Milliman & Robinson completed its review of RMA rating methods. Coverage levels of 80% and 85%, CRC, RA, RA-HPO, GRP, GRIP, GRIP-HRO, dollar plans AGR and livestock products have been added to the RMA product list. A complete review of RMA rating methods on all of these new products and there interaction by a consulting actuary would be helpful in a report to Congress before major changes are made to rates.

² The Durbin-Brown strike price is the 3 year average revenue insurance price. The 3 year average revenue price for Kansas CRC wheat is \$3.87 based on the CRC planting price of \$3.56 in 2004, \$3.52 in 2005, and \$4.52 in 2006 subject to a 15% cap and cup.

³ The Durbin-Brown legislation specifies crop insurance revenue prices but is silent on the issue of Income Protection (IP), RA or CRC prices. This analysis used CRC prices but the Secretary could use RA or IP prices.

Why would one believe tying crop insurance and Durbin-Brown together will fix any crop insurance rating problems? There is some evidence to support the idea that corn is overrated but probably not as overrated as assumed by many corn farmers. How much the rates are “excessive” is not so simple and clearly cannot be based on a short number of years when droughts are infrequent but severe in the Corn Belt. While the recent losses have been low, one needs to base rates on at least 20 years of expected indemnities. The base rate on corn and the rate relativity may not be correct, but any changes in rates should be based on loss cost estimates.

Perhaps it would make more sense to deduct any permanent disaster aid payments from the Durbin-Brown payment. This would reduce the cost of Durbin-Brown and the permanent disaster aid payments are funded from a different budget source. Tying Durbin-Brown with permanent disaster aid payments rather than crop insurance would reduce any administrative problems caused by payment limits because both programs will likely include payment limits, while there is no limit on crop insurance payments that have significant funding from farmer paid premiums.

Table 1. Durbin-Brown Expected Wheat Yields with 90% Coverage

----- Wheat -----												
	USA	Kansas	North Dakota	Oklahoma	Texas	Montana	South Dakota	Washington	Colorado	Nebraska	Minnesota	Idaho
Marketing Year	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)
2006 Planted Ac. (000)	9,800	8,800	5,700	5,550	5,300	3,310	2,280	2,170	1,800	1,750	1,255	
1972/73	28.2	30.6	28.4	15.7	10.9	23.9	26.6	44.9	21.0	33.9	32.4	42.8
1973/74	28.9	35.6	27.0	26.3	21.4	22.8	23.9	26.7	23.4	33.5	38.0	40.3
1974/75	25.1	26.6	20.1	19.2	9.4	23.9	17.5	37.7	23.5	32.9	28.3	39.9
1975/76	28.4	27.4	24.9	21.7	20.2	30.4	19.6	46.5	18.4	30.7	28.1	40.8
1976/77	26.7	26.3	24.1	19.4	15.9	30.0	10.0	43.9	17.0	27.8	31.4	43.4
1977/78	27.1	26.1	23.1	22.5	18.7	24.2	19.7	32.5	18.9	31.3	38.5	37.8
1978/79	26.9	26.5	29.3	20.8	9.5	28.6	18.5	41.1	19.5	28.1	32.7	52.5
1979/80	29.9	33.9	25.5	30.9	23.8	19.5	17.4	32.3	21.6	28.9	34.2	45.9
1980/81	29.5	32.3	15.3	26.0	19.1	20.1	15.4	48.3	31.0	36.1	28.4	58.7
1981/82	31.6	21.8	27.8	22.4	23.5	28.6	21.9	52.9	25.0	34.8	39.2	56.5
1982/83	32.1	32.5	30.9	28.5	17.6	31.4	25.3	46.4	25.4	33.3	39.1	59.2
1983/84	31.7	34.0	26.3	19.3	20.8	28.5	29.1	56.6	31.6	35.3	33.7	61.1
1984/85	32.8	32.4	32.2	24.8	20.3	20.9	31.5	56.9	29.7	25.3	45.8	52.5
1985/86	32.1	34.9	34.6	21.2	23.1	8.9	26.7	45.0	36.9	34.5	50.2	48.0
1986/87	29.0	29.3	30.4	20.4	14.8	27.6	26.7	45.5	28.7	33.0	35.0	57.2
1987/88	32.0	34.2	28.9	18.0	14.8	30.9	29.2	54.4	30.8	39.0	39.8	70.7
1988/89	27.7	31.7	11.2	24.7	14.2	12.7	10.4	57.4	31.1	31.3	20.5	61.9
1989/90	26.6	17.2	22.4	21.1	9.0	22.9	21.1	35.7	22.4	21.7	37.1	62.6
1990/91	35.4	38.1	33.9	26.8	19.4	25.4	30.9	57.7	31.7	34.9	46.8	70.1
1991/92	28.3	30.8	30.4	18.2	13.5	31.9	28.5	26.6	28.1	28.6	30.6	60.9
1992/93	34.2	30.3	40.6	23.0	21.9	27.1	27.3	45.1	27.5	23.6	48.9	65.0
1993/94	33.2	32.1	28.6	22.1	19.4	37.1	29.2	61.2	34.2	31.3	25.8	74.1
1994/95	33.0	36.4	30.8	20.4	12.6	30.6	25.9	50.6	27.1	32.5	26.9	67.3
1995/96	31.6	24.4	26.6	16.1	13.0	34.2	31.5	57.0	35.8	40.0	31.3	73.3
1996/97	30.3	21.6	31.2	13.7	12.6	26.4	32.2	65.2	26.3	32.0	41.1	73.6
1997/98	35.2	44.0	23.2	25.3	18.9	29.5	24.4	61.4	29.5	35.2	30.7	75.9
1998/99	38.7	46.3	31.5	30.1	22.4	29.9	35.3	59.0	36.8	43.6	39.9	75.9
1999/00	36.6	43.2	25.7	23.5	19.7	27.8	38.8	49.2	40.4	42.9	38.7	73.6
2000/01	35.6	35.5	31.2	23.4	11.0	25.4	37.8	66.6	28.0	33.9	47.7	79.6
2001/02	32.8	33.5	30.9	21.8	19.4	18.0	25.4	53.4	28.9	33.8	42.7	66.8
2002/03	26.6	27.9	23.8	16.7	12.2	19.1	14.6	53.0	16.0	30.4	30.6	68.2
2003/04	37.7	45.7	36.7	26.8	14.6	26.2	38.5	58.1	29.7	44.1	56.2	71.1
2004/05	36.2	31.5	37.4	26.5	17.2	31.7	39.3	61.6	20.3	33.0	51.9	81.4
2005/06	36.8	38.0	33.4	22.5	17.5	36.0	40.2	61.1	21.0	37.1	39.3	79.8
2006/07	31.6	29.7	28.6	14.3	6.1	28.9	25.4	61.4	19.1	34.0	45.9	72.0
	USA	KS	ND	OK	TX	MT	SD	WA	CO	NE	MN	ID
Durbin-Brown Coverage =	90%											
27 Yrs												
Slope	0.183	0.266	0.230	(0.069)	(0.218)	0.202	0.438	0.487	(0.218)	0.179	0.313	0.868
Intercept	-332	-498	-430	160	451	-375	-844	-917	463	-323	-584	-1662
09 Gross Yield	35.3	36.9	32.5	21.1	13.3	29.6	34.8	60.9	25.4	36.6	43.4	80.3
Olympic Average	32.5	33.0	29.3	22.2	16.8	26.9	28.5	54.2	28.7	34.0	38.7	67.5
Simple Average	32.5	32.9	29.1	22.1	16.6	26.6	28.2	53.6	28.6	33.9	38.7	67.3
DB Yield 2008/09	31.8	33.2	29.3	19.0	12.0	26.6	31.3	54.8	22.8	32.9	39.0	72.3
DB Yield 2009/10	31.9	33.5	29.5	18.9	11.8	26.8	31.7	55.3	22.6	33.1	39.3	73.1
DB Yield 2010/11	32.1	33.7	29.7	18.9	11.6	27.0	32.1	55.7	22.4	33.2	39.6	73.8
DB Yield 2011/12	32.3	34.0	29.9	18.8	11.4	27.2	32.5	56.1	22.2	33.4	39.9	74.6
DB Yield 2012/13	32.4	34.2	30.1	18.7	11.2	27.4	32.9	56.6	22.0	33.6	40.1	75.4
DB Yield 2013/14	32.6	34.4	30.3	18.7	11.0	27.5	33.3	57.0	21.8	33.7	40.4	76.2

Table 1 Continued. Durbin-Brown Expected Wheat Yields with 90% Coverage

----- Wheat -----												
	Mis-	Ohio	Illinois	Oregon	Mich-	N.	Cal-	Indiana	New	Kent-	Arkan-	Tennes-
	souri	Plant	Plant	Plant	igan	Carol-	fornia	Plant	Mexico	ucky	Plant	see
	Plant	Yield	Yield	Yield	Plant	ina	Plant	Plant	Plant	Plant	Plant	Plant
	Yield	Per	Per	Per	Yield	Plant	Yield	Yield	Yield	Yield	Yield	Yield
	Per	Per	Per	Per	Per	Yield	Per	Per	Per	Per	Per	Per
	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per
Marketing Year	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per
2006 Planted Ac. (000)	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per
	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
	1,000	990	930	880	660	560	520	470	440	430	365	280
1972/73	33.6	43.5	42.7	40.1	35.6	24.8	42.0	44.5	11.5	23.3	30.3	25.9
1973/74	26.0	30.5	28.1	32.0	34.0	27.4	49.3	33.3	21.3	22.5	19.9	21.6
1974/75	26.2	39.9	29.0	39.8	39.5	31.9	46.0	36.2	7.1	26.7	22.4	24.0
1975/76	29.3	40.9	37.7	44.3	37.6	27.1	57.0	42.5	22.7	26.5	25.0	23.9
1976/77	28.6	37.6	38.0	44.0	37.6	25.3	51.9	34.8	12.9	22.7	34.6	30.4
1977/78	34.4	45.8	40.9	36.4	37.9	25.5	47.8	41.3	15.9	26.7	31.2	27.0
1978/79	29.8	36.6	33.4	40.4	38.1	27.0	59.8	35.2	10.8	24.9	27.8	24.2
1979/80	39.6	46.9	41.0	39.5	42.1	32.2	67.2	44.4	15.7	29.0	27.7	25.0
1980/81	40.5	48.0	48.1	54.9	42.9	32.9	69.2	46.9	16.2	30.7	34.6	31.0
1981/82	36.1	42.9	48.8	57.2	49.4	35.8	74.3	44.3	15.7	35.3	38.7	36.5
1982/83	29.9	36.1	42.2	50.4	35.3	33.4	67.1	37.6	17.5	31.4	36.1	30.5
1983/84	32.0	45.2	41.5	56.0	43.1	26.6	57.5	45.0	18.2	21.8	34.4	24.1
1984/85	35.8	39.0	39.1	57.5	50.7	38.1	71.1	41.3	16.4	28.4	41.1	31.9
1985/86	33.3	58.9	43.2	49.2	58.4	27.6	77.8	48.2	28.1	24.5	28.1	23.5
1986/87	17.9	42.0	27.8	54.6	40.8	28.9	70.6	33.4	14.1	20.3	37.8	24.9
1987/88	39.4	54.8	51.0	62.6	42.7	36.8	70.8	46.4	15.5	32.3	37.0	31.8
1988/89	46.0	46.0	51.9	64.8	40.1	47.1	78.4	41.7	13.4	37.3	50.6	40.6
1989/90	44.1	49.8	56.8	56.7	51.4	31.5	72.0	55.2	7.3	35.7	40.6	35.0
1990/91	35.3	58.6	43.3	57.0	53.6	37.6	70.8	48.0	15.6	28.6	32.7	30.4
1991/92	29.1	46.0	27.2	48.8	42.2	34.9	74.9	33.9	14.5	18.0	18.6	17.5
1992/93	43.2	48.0	42.8	49.3	54.3	46.3	68.0	31.3	20.4	36.3	41.2	32.8
1993/94	32.2	50.0	41.3	68.4	38.2	38.6	71.6	48.4	12.2	34.1	36.2	28.4
1994/95	40.3	57.0	43.8	60.7	51.2	45.3	68.3	56.5	11.7	42.7	41.3	30.0
1995/96	35.5	60.0	46.0	62.5	59.0	39.1	50.3	56.6	7.2	37.5	42.7	26.6
1996/97	30.5	37.1	25.3	69.2	33.5	41.2	66.3	32.2	8.7	40.1	51.5	27.9
1997/98	50.7	58.2	57.8	63.2	60.8	46.8	63.6	52.2	23.2	34.9	44.7	29.5
1998/99	42.6	61.9	46.1	63.2	51.3	38.2	56.7	51.1	19.2	33.0	46.8	26.6
1999/00	45.1	68.7	57.7	39.8	67.8	43.7	64.0	61.2	23.9	37.8	53.1	38.1
2000/01	47.0	71.4	55.2	57.3	67.9	37.3	58.3	64.0	8.9	35.7	50.3	38.0
2001/02	45.6	63.5	58.6	35.9	62.8	26.6	57.1	62.7	16.3	43.2	45.9	36.7
2002/03	37.2	58.4	46.8	36.5	65.5	30.1	50.9	48.3	8.1	32.4	40.2	30.0
2003/04	55.3	64.2	61.9	48.0	66.0	27.8	42.0	64.5	8.4	43.4	40.7	31.4
2004/05	46.1	60.0	57.7	56.0	62.1	38.3	53.2	60.6	15.9	38.7	49.0	34.3
2005/06	49.4	68.5	58.1	56.1	64.9	44.3	49.4	68.0	21.6	52.3	37.8	35.0
2006/07	49.1	65.9	65.6	50.5	71.9	44.3	40.3	67.5	8.7	52.8	51.0	43.4
	MO	OH	IL	OR	MI	NC	CA	IN	NM	KY	AK	TN
n-Brown Coverage =												
27 Yrs												
Slope	0.633	0.963	0.670	(0.249)	1.013	0.227	(1.015)	0.941	(0.150)	0.715	0.506	0.239
Intercept	-1223	-1866	-1288	551	-1965	-415	2086	-1826	315	-1390	-969	-444
09 Gross Yield	49.1	68.5	57.7	51.3	68.1	40.4	48.3	64.0	12.8	45.5	48.4	34.9
Olympic Average	39.8	54.1	47.8	55.2	52.9	37.0	63.8	49.9	14.9	34.7	41.2	31.4
Simple Average	39.6	54.1	47.6	55.0	52.9	37.0	63.5	49.9	15.1	34.8	40.8	31.4
DB Yield 2008/09	44.2	61.7	51.9	46.2	61.3	36.4	43.4	57.6	11.5	41.0	43.6	31.4
DB Yield 2009/10	44.8	62.5	52.5	46.0	62.2	36.6	42.5	58.4	11.4	41.6	44.0	31.7
DB Yield 2010/11	45.3	63.4	53.1	45.7	63.1	36.8	41.6	59.3	11.3	42.2	44.5	31.9
DB Yield 2011/12	45.9	64.3	53.7	45.5	64.0	37.0	40.7	60.1	11.1	42.9	45.0	32.1
DB Yield 2012/13	46.5	65.1	54.3	45.3	64.9	37.2	39.8	61.0	11.0	43.5	45.4	32.3
DB Yield 2013/14	47.0	66.0	54.9	45.1	65.8	37.4	38.9	61.8	10.9	44.2	45.9	32.5

Table 1 Continued. Durbin-Brown Expected Wheat Yields with 90% Coverage

----- Wheat -----												
	Wisconsin	Georgia	Maryland	Virginia	Pennsylvania	Wyoming	Utah	S. Carolina	Louisiana	New York	Alabama	Mississippi
Marketing Year	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre
2006 Planted Ac. (000)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
1972/73	21.0	12.4	33.1	32.3	29.7	29.9	26.1	17.5	9.2	35.5	13.7	26.2
1973/74	30.7	19.8	32.5	33.2	26.8	20.9	22.2	21.9	7.0	35.2	14.5	20.0
1974/75	34.4	17.6	35.6	33.9	34.9	21.8	25.0	23.3	7.3	41.0	16.5	21.0
1975/76	28.2	22.8	30.9	27.4	30.7	23.1	23.8	25.1	6.3	38.1	17.0	19.1
1976/77	33.0	23.8	34.0	27.9	28.4	21.5	21.7	23.6	21.6	35.9	16.2	23.2
1977/78	37.0	24.4	30.5	25.4	31.1	15.9	19.9	25.7	25.3	35.9	18.1	25.5
1978/79	32.5	24.0	32.9	26.4	31.5	21.7	26.1	26.8	18.6	30.5	13.0	20.2
1979/80	37.9	29.2	34.3	29.3	29.7	18.6	23.7	30.0	19.2	38.6	17.1	23.0
1980/81	36.7	30.0	36.9	33.4	35.6	24.5	30.6	33.7	18.8	37.5	20.4	24.8
1981/82	42.4	40.0	40.1	40.9	34.6	27.0	33.1	33.4	37.3	41.4	38.2	36.9
1982/83	43.0	30.8	39.4	33.3	34.9	27.6	33.7	34.1	34.5	37.5	27.3	32.8
1983/84	39.3	29.2	37.0	34.8	36.2	26.1	32.1	23.9	17.4	42.1	25.3	28.3
1984/85	50.7	31.2	41.0	38.7	36.3	24.8	29.9	36.1	32.8	43.4	30.9	32.6
1985/86	51.8	26.9	46.6	31.0	45.8	17.8	31.5	27.1	28.6	54.3	25.6	24.5
1986/87	50.3	24.1	42.6	31.7	42.1	24.6	36.1	23.1	30.6	46.0	16.8	24.8
1987/88	36.2	25.9	46.0	35.2	41.9	26.4	42.3	36.0	22.0	40.3	21.1	31.5
1988/89	34.3	37.4	50.1	45.2	51.5	19.4	36.8	43.8	36.9	52.1	31.9	41.4
1989/90	44.0	28.0	37.4	42.2	36.2	20.0	31.3	38.8	27.8	43.3	22.0	29.1
1990/91	49.2	31.8	49.4	42.1	48.8	26.3	38.8	36.1	29.3	47.4	23.8	26.0
1991/92	41.1	28.1	47.6	43.8	42.8	25.5	35.2	28.4	12.7	46.9	16.2	12.9
1992/93	15.8	40.3	55.5	52.1	51.6	23.6	38.0	45.4	30.6	51.3	29.9	35.0
1993/94	31.3	34.2	51.4	48.3	43.7	25.8	38.9	35.3	18.3	41.2	22.3	27.7
1994/95	51.2	46.4	52.6	50.0	46.6	21.8	36.1	48.6	25.9	50.8	32.6	35.6
1995/96	52.1	32.6	62.6	58.7	53.6	33.9	48.5	29.9	28.8	52.9	24.0	34.8
1996/97	36.7	41.7	50.2	48.6	46.8	23.2	36.9	43.4	39.9	40.3	32.0	46.0
1997/98	52.3	38.5	66.4	62.2	50.6	29.2	44.8	48.4	32.7	53.9	29.1	37.6
1998/99	51.6	35.6	47.8	39.4	49.7	29.0	49.4	29.0	39.6	50.1	29.8	42.2
1999/00	56.2	32.3	55.8	48.9	52.6	30.3	50.8	42.0	44.9	62.5	30.9	45.8
2000/01	58.6	36.0	57.3	53.8	51.7	21.5	39.6	47.8	49.0	49.5	34.7	51.7
2001/02	60.2	35.3	58.0	51.0	48.9	18.1	37.7	41.0	45.7	50.9	19.8	46.8
2002/03	55.4	24.2	60.6	45.1	51.6	15.5	23.2	31.5	38.3	57.0	16.0	31.3
2003/04	58.0	27.8	32.5	35.0	40.5	24.4	32.1	36.1	37.0	48.9	21.0	40.8
2004/05	52.0	25.9	53.5	47.1	47.3	23.4	41.0	41.7	45.8	50.5	24.0	44.7
2005/06	49.3	26.0	59.6	56.0	52.2	27.6	43.6	50.5	43.6	51.3	22.5	46.4
2006/07	70.1	25.6	40.5	55.5	55.3	24.6	42.5	47.3	48.4	55.2	26.1	50.7
	WI	GA	MD	VA	PA	WY	UT	SC	LA	NY	AL	MS
n-Brown Coverage = 27 Yrs												
Slope	0.751	(0.054)	0.583	0.718	0.611	(0.027)	0.341	0.524	0.810	0.510	(0.079)	0.788
Intercept	-1450	140	-1114	-1387	-1171	78	-642	-1006	-1582	-969	184	-1534
09 Gross Yield	58.3	31.2	57.6	55.4	54.7	24.1	42.7	45.3	45.4	55.7	24.5	47.5
Olympic Average	47.4	31.8	48.8	44.4	45.6	24.5	37.6	37.6	33.4	47.9	25.6	35.9
Simple Average	47.0	32.1	48.8	44.6	45.5	24.5	37.6	37.5	33.2	48.1	25.7	35.7
DB Yield 2008/09	52.5	28.1	51.8	49.8	49.2	21.7	38.4	40.8	40.8	50.2	22.1	42.7
DB Yield 2009/10	53.1	28.1	52.3	50.5	49.8	21.7	38.7	41.3	41.6	50.6	22.0	43.4
DB Yield 2010/11	53.8	28.0	52.9	51.1	50.3	21.7	39.0	41.8	42.3	51.1	21.9	44.1
DB Yield 2011/12	54.5	28.0	53.4	51.8	50.9	21.6	39.3	42.2	43.0	51.5	21.8	44.9
DB Yield 2012/13	55.2	27.9	53.9	52.4	51.4	21.6	39.6	42.7	43.8	52.0	21.8	45.6
DB Yield 2013/14	55.8	27.9	54.4	53.1	52.0	21.6	40.0	43.2	44.5	52.5	21.7	46.3

Table 1 Continued. Durbin-Brown Expected Wheat Yields with 90% Coverage

----- Wheat -----				
	Arizona	Dela- ware	Iowa	New Jersey
	Plant Yield	Plant Yield	Plant Yield	Plant Yield
	Per Acre	Per Acre	Per Acre	Per Acre
Marketing Year	(Bu.)	(Bu.)	(Bu.)	(Bu.)
2006 Planted Ac. (000)	79	48	25	25
1972/73	60.3	31.0	33.5	30.2
1973/74	62.9	32.1	27.2	27.4
1974/75	60.5	32.7	28.2	36.0
1975/76	67.4	32.6	32.1	30.7
1976/77	73.5	32.0	31.4	36.8
1977/78	68.6	23.5	31.0	21.4
1978/79	66.6	24.8	23.3	25.0
1979/80	70.7	32.5	31.7	28.9
1980/81	76.4	32.7	35.0	35.6
1981/82	83.7	38.4	37.2	36.8
1982/83	85.6	39.3	26.1	30.0
1983/84	82.2	38.3	25.3	27.6
1984/85	88.1	40.2	32.7	34.9
1985/86	86.0	45.9	44.8	42.8
1986/87	88.7	38.3	18.7	32.3
1987/88	88.0	40.3	12.7	40.5
1988/89	88.9	50.4	20.4	39.9
1989/90	89.4	38.9	41.1	31.7
1990/91	92.7	47.1	42.2	34.6
1991/92	96.4	50.7	22.7	34.2
1992/93	85.6	54.1	22.3	38.9
1993/94	82.0	55.2	10.4	33.0
1994/95	89.5	50.4	38.5	29.9
1995/96	82.8	62.2	24.5	50.7
1996/97	89.4	51.7	26.9	38.0
1997/98	87.8	71.1	38.9	57.0
1998/99	103.5	49.6	35.2	47.7
1999/00	96.8	53.2	33.3	44.0
2000/01	95.4	64.0	42.3	49.9
2001/02	90.6	58.0	38.9	39.2
2002/03	95.4	67.5	42.4	48.0
2003/04	100.1	38.5	51.2	35.2
2004/05	94.9	54.5	47.1	40.3
2005/06	94.8	68.7	37.5	43.5
2006/07	95.9	62.8	47.5	52.8
	AZ	DE	IA	NJ
n-Brown Coverage =				
27 Yrs				
Slope	0.553	1.026	0.626	0.551
Intercept	-1011	-1995	-1215	-1058
09 Gross Yield	98.3	65.8	42.6	47.8
Olympic Average	90.0	50.3	33.4	39.4
Simple Average	90.0	50.4	33.2	39.6
DB Yield 2008/09	88.5	59.3	38.3	43.1
DB Yield 2009/10	89.0	60.2	38.9	43.6
DB Yield 2010/11	89.5	61.1	39.4	44.1
DB Yield 2011/12	90.0	62.0	40.0	44.5
DB Yield 2012/13	90.5	62.9	40.6	45.0
DB Yield 2013/14	91.0	63.9	41.1	45.5

Table 2. Durbin-Brown Expected Grain Sorghum Yields with 90% Coverage

----- Grain Sorghum -----										
	USA Plant	Kansas Plant	Texas Plant	Neb-raska Plant	Colo-rado Plant	Ok-lahoma Plant	South Dakota Plant	New Mexico Plant	Miss-ouri Plant	Louis-iana Plant
Marketing Year	Yield Per Acre	Yield Per Acre	Yield Per Acre	Yield Per Acre	Yield Per Acre	Yield Per Acre	Yield Per Acre	Yield Per Acre	Yield Per Acre	Yield Per Acre
2006 Planted Ac. (000)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
	2500	1300	370	280	270	220	110	100	90	
1972/73	47.0	49.3	47.0	62.1	18.7	24.5	28.8	52.7	62.7	24.5
1973/74	48.6	47.0	51.5	61.3	20.7	26.4	28.2	48.6	61.6	17.0
1974/75	35.4	32.4	41.6	28.9	16.4	22.7	14.6	32.1	42.8	22.0
1975/76	41.7	35.9	46.8	49.8	14.8	26.0	15.7	43.9	44.9	16.9
1976/77	39.2	36.7	40.1	52.0	14.4	20.7	8.9	43.9	53.5	21.8
1977/78	46.9	51.8	41.1	63.9	18.6	28.1	34.3	39.6	64.7	18.9
1978/79	45.1	44.2	40.0	68.4	21.1	24.9	37.0	36.6	71.3	19.3
1979/80	52.9	56.6	48.6	72.2	26.4	33.1	32.0	42.1	72.0	22.8
1980/81	37.0	33.3	37.9	55.4	25.0	23.3	22.1	30.2	43.3	14.9
1981/82	55.0	56.1	57.0	71.7	26.5	35.3	32.6	36.5	70.8	28.8
1982/83	52.1	53.3	50.9	65.9	26.6	34.0	35.9	39.9	72.6	46.1
1983/84	41.0	34.3	45.7	50.8	23.6	28.3	34.1	31.5	54.1	50.4
1984/85	50.2	45.2	48.1	57.9	31.8	34.0	33.2	51.3	65.6	60.3
1985/86	61.3	61.8	56.3	73.5	30.3	38.8	26.8	45.6	80.7	65.6
1986/87	61.2	69.2	52.8	80.1	30.8	42.8	31.2	41.4	77.0	64.3
1987/88	62.2	66.8	59.6	73.5	22.6	41.9	39.8	48.4	81.5	60.7
1988/89	55.8	56.8	58.9	64.6	30.7	39.5	23.9	54.4	76.1	55.7
1989/90	48.7	48.5	46.9	54.6	28.4	44.1	22.6	44.6	75.1	56.1
1990/91	54.4	59.6	45.8	67.9	38.3	43.3	28.6	23.2	77.5	61.6
1991/92	52.9	51.9	55.3	60.3	33.8	39.4	26.0	56.7	68.1	49.4
1992/93	66.4	73.9	58.7	84.6	29.0	48.6	24.2	57.2	92.7	66.2
1993/94	54.1	58.8	54.1	52.7	34.0	43.9	30.0	35.4	65.7	55.4
1994/95	66.0	72.2	54.8	84.0	35.7	43.8	40.6	35.3	86.8	64.3
1995/96	48.6	52.6	48.0	45.5	23.1	36.6	19.2	14.4	68.8	67.6
1996/97	60.7	73.8	41.5	78.3	45.7	55.6	34.7	29.1	87.9	75.0
1997/98	63.0	72.7	55.5	67.5	31.6	45.9	42.1	40.8	87.6	73.3
1998/99	54.0	75.4	29.8	80.6	52.7	37.3	49.7	14.6	80.5	57.7
1999/00	64.1	71.8	59.0	77.8	37.4	40.9	23.2	49.5	68.8	80.3
2000/01	51.2	53.9	47.8	58.3	24.0	30.4	32.7	9.8	88.7	81.1
2001/02	50.2	58.1	37.1	64.9	30.5	30.2	36.9	37.1	89.9	77.6
2002/03	37.6	35.5	38.3	35.6	5.1	31.4	13.9	14.4	80.8	74.3
2003/04	43.7	36.8	48.1	47.0	16.0	30.8	25.0	12.0	75.2	82.5
2004/05	60.6	68.9	57.5	58.9	19.3	53.3	25.2	30.2	104.4	61.2
2005/06	60.9	70.9	54.1	64.0	21.3	42.7	24.6	36.4	73.2	96.8
2006/07	42.6	52.7	31.2	51.9	12.1	25.2	13.1	19.1	80.8	92.8

----- Grain Sorghum -----										
	USA	KS	TX	NE	CO	OK	SD	NM	MO	LA
Durbin-Brown Coverage =	90%									
27 Yrs										
Slope	0.037	0.407	(0.272)	(0.316)	(0.276)	0.116	(0.230)	(0.834)	0.849	1.787
Intercept	-19	-753	592	694	578	-193	487	1697	-1616	-3497
09 Gross Yield	54.4	64.1	45.2	59.2	24.2	40.3	25.9	22.3	89.6	90.5
Olympic Average	54.1	58.2	49.6	64.3	28.3	38.5	29.2	34.9	77.1	64.3
Simple Average	53.9	58.0	49.3	64.0	28.4	38.6	29.3	34.8	76.8	63.7
DB Yield 2008/09	49.0	57.6	40.7	53.3	21.8	36.3	23.3	20.0	80.6	81.5
DB Yield 2009/10	49.0	58.0	40.4	53.0	21.6	36.4	23.1	19.3	81.4	83.1
DB Yield 2010/11	49.1	58.4	40.2	52.7	21.3	36.5	22.9	18.5	82.1	84.7
DB Yield 2011/12	49.1	58.7	39.9	52.5	21.1	36.6	22.7	17.8	82.9	86.3
DB Yield 2012/13	49.1	59.1	39.7	52.2	20.8	36.7	22.5	17.0	83.7	87.9
DB Yield 2013/14	49.2	59.5	39.4	51.9	20.6	36.8	22.3	16.3	84.4	89.5

Table 2 Continued. Durbin-Brown Expected Grain Sorghum Yields with 90% Coverage

Grain Sorghum									
	Ar-	Kent-	N. Missis-	Tennes-	S.	Ala-			
	Illinois	kansas	Georg-	ucky	Carol	sippi	see	Carolin	bama
	Plant	Plant	ia Plant	Plant	a Plant	Plant	Plant	a Plant	Plant
	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield
	Per	Per	Per	Per	Per	Per	Per	Per	Per
	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre
Marketing Year	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
2006 Planted Ac. (000)	75	63	40	18	17	15	14	11	10
1972/73	54.4	43.3	17.1	37.8	34.4	17.7	30.1	15.1	17.7
1973/74	49.1	35.5	22.1	38.5	39.0	12.4	27.1	19.6	18.9
1974/75	28.8	34.4	21.6	34.0	39.3	17.6	29.8	20.6	16.9
1975/76	51.0	42.6	23.5	37.9	35.4	17.7	24.5	22.1	18.8
1976/77	46.5	45.6	22.8	35.5	34.1	21.4	26.6	19.0	16.7
1977/78	51.2	46.0	9.0	36.6	21.6	12.8	25.5	8.3	9.7
1978/79	57.1	52.2	14.7	41.3	31.1	12.3	27.2	19.1	19.4
1979/80	56.0	54.6	21.5	49.3	33.5	19.4	32.9	22.1	17.9
1980/81	49.0	21.4	13.1	32.5	21.7	17.7	31.8	11.0	17.3
1981/82	50.4	51.5	19.8	54.9	34.9	33.7	44.7	16.5	23.8
1982/83	64.1	56.4	28.4	55.4	33.3	41.1	55.3	26.8	29.2
1983/84	45.2	50.3	23.6	40.1	20.4	47.6	45.8	18.0	34.4
1984/85	61.5	68.5	28.8	70.8	37.8	57.1	74.3	26.1	40.9
1985/86	72.4	70.5	37.9	76.3	35.8	61.0	77.5	27.6	46.9
1986/87	82.6	60.6	17.5	71.3	16.5	57.6	59.6	15.5	28.6
1987/88	80.3	65.6	21.8	57.3	25.1	58.9	60.0	13.9	28.8
1988/89	66.7	58.6	16.5	36.7	27.2	52.6	50.6	9.1	25.6
1989/90	77.5	57.0	22.2	55.4	36.0	45.1	57.9	15.0	33.3
1990/91	69.6	60.5	15.0	74.4	28.3	61.4	70.6	6.6	33.0
1991/92	76.9	53.1	27.8	63.9	27.8	56.0	56.3	14.3	42.2
1992/93	99.2	72.5	26.4	77.7	25.0	65.6	73.8	24.5	37.9
1993/94	75.8	52.0	18.0	53.6	27.0	60.4	69.3	8.0	29.2
1994/95	95.7	70.7	30.8	67.5	31.4	70.0	75.4	21.3	33.3
1995/96	66.7	65.7	20.2	73.9	43.3	59.2	65.3	21.3	26.7
1996/97	81.3	70.8	25.2	81.4	30.0	67.2	67.5	25.0	42.3
1997/98	87.2	69.4	27.7	53.2	27.5	70.7	52.5	28.7	30.0
1998/99	72.0	49.2	22.8	64.0	25.7	58.5	56.0	17.5	30.0
1999/00	92.2	75.0	27.0	64.0	29.1	81.2	63.0	32.3	26.7
2000/01	89.7	66.3	24.5	69.5	33.3	74.5	66.0	40.4	28.0
2001/02	101.1	83.5	24.0	70.8	51.3	79.3	70.4	48.8	35.0
2002/03	78.9	73.8	21.8	62.5	29.6	78.0	69.3	12.9	28.0
2003/04	78.3	76.5	32.5	92.1	38.9	81.8	72.9	37.1	27.0
2004/05	105.2	78.4	26.1	69.3	42.8	71.1	76.5	37.1	25.8
2005/06	89.8	75.2	33.8	86.4	40.6	73.6	83.6	35.7	31.8
2006/07	85.4	81.0	29.3	75.6	35.9	69.3	74.6	32.5	21.5

	IL	AR	GA	KY	NC	MS	TN	SC	AL
n-Brown Coverage =									
27 Yrs									
Slope	1.412	1.141	0.257	1.026	0.450	1.568	0.920	0.801	(0.115)
Intercept	-2737	-2209	-489	-1979	-866	-3064	-1769	-1574	259
09 Gross Yield	98.8	81.3	28.4	80.2	38.5	84.6	77.5	35.1	29.3
Olympic Average	77.8	65.1	24.5	65.0	31.5	62.0	64.2	22.7	30.9
Simple Average	77.6	64.2	24.5	64.8	31.7	61.1	63.7	23.1	31.0
DB Yield 2008/09	88.9	73.2	25.6	72.2	34.6	76.2	69.8	31.6	26.4
DB Yield 2009/10	90.1	74.2	25.8	73.1	35.0	77.6	70.6	32.3	26.3
DB Yield 2010/11	91.4	75.2	26.0	74.0	35.4	79.0	71.4	33.0	26.2
DB Yield 2011/12	92.7	76.3	26.2	75.0	35.8	80.4	72.2	33.8	26.0
DB Yield 2012/13	94.0	77.3	26.5	75.9	36.2	81.8	73.1	34.5	25.9
DB Yield 2013/14	95.2	78.3	26.7	76.8	36.7	83.2	73.9	35.2	25.8

Table 3. Durbin-Brown Expected Corn Yields with 90% Coverage

Corn												
	USA	Iowa	Illinois	Nebras	Min-	Indiana	South	Wiscon-	Kansas	Ohio	Mis-	Mich-
	Plant	Plant	Plant	ka	nesota	Plant	Dakota	sin	State	Plant	souri	igan
	Yield	Yield	Yield	Plant	Yield	Yield	Plant	Plant	Plant	Yield	Plant	Plant
	Per	Per	Per	Yield	Per	Per	Per	Per	Per	Per	Per	Per
	Acre	Acre	Acre	Per	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre
Marketing Year	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
2006 Planted Ac. (000)	12,600	11,300	8,100	7,300	5,500	4,500	3,650	3,350	3,150	2,700	2,200	
1972/73	83.1	109.2	106.4	94.0	80.6	100.6	47.1	66.7	82.8	85.3	83.6	67.4
1973/74	78.5	100.8	99.9	85.6	82.8	99.0	37.8	54.2	81.1	73.7	81.7	63.7
1974/75	60.3	73.3	78.1	58.7	52.7	69.0	20.2	46.2	61.1	69.0	47.1	47.0
1975/76	74.2	83.7	113.0	77.4	58.2	94.3	23.3	56.7	72.3	86.3	56.7	66.4
1976/77	74.4	84.2	104.2	75.7	45.9	106.6	11.6	40.8	79.9	96.0	54.3	57.7
1977/78	77.1	79.1	102.5	90.7	87.0	99.0	42.3	77.4	79.4	97.5	69.4	70.6
1978/79	89.0	108.7	108.3	105.2	92.0	104.6	53.0	73.5	84.1	97.9	80.0	68.2
1979/80	97.4	121.0	124.2	108.2	87.8	108.1	61.3	78.3	98.3	108.4	96.0	81.9
1980/81	79.0	104.5	90.9	77.4	84.2	93.5	35.0	83.0	65.2	106.2	42.2	82.4
1981/82	96.5	120.2	123.0	106.9	96.7	103.7	53.1	83.6	109.7	87.8	98.8	84.0
1982/83	100.6	114.8	128.1	102.5	100.6	122.5	57.0	82.2	99.3	106.5	93.4	93.1
1983/84	69.3	81.7	76.1	88.8	72.0	69.6	42.6	69.9	75.1	72.7	42.9	75.3
1984/85	95.3	107.8	111.4	108.9	95.0	113.8	54.8	83.0	103.8	110.9	73.5	72.2
1985/86	106.4	122.8	132.3	122.3	99.2	120.1	71.8	83.4	117.0	120.4	104.9	92.5
1986/87	107.4	132.3	132.5	122.7	108.4	118.9	69.6	93.8	125.2	122.1	110.1	91.9
1987/88	107.7	126.9	129.9	125.0	112.9	131.8	72.1	93.1	109.3	112.7	108.0	83.5
1988/89	72.8	79.5	70.8	118.6	61.0	79.8	41.9	37.9	115.0	77.3	69.8	53.3
1989/90	104.1	114.7	121.3	114.5	112.9	129.3	56.1	86.3	113.1	107.3	91.6	96.8
1990/91	107.0	122.1	124.6	121.4	113.8	125.5	68.8	95.7	117.8	112.8	98.0	99.2
1991/92	98.4	114.2	105.1	120.8	109.1	89.6	64.1	100.2	114.6	88.2	92.8	97.3
1992/93	119.5	144.2	147.0	128.5	102.9	143.9	72.9	78.7	140.3	133.6	129.6	89.4
1993/94	86.5	73.3	123.8	98.2	51.1	128.4	48.0	63.6	108.0	103.1	75.7	94.0
1994/95	127.3	148.5	154.0	133.3	130.8	140.7	95.2	116.6	130.6	131.5	113.1	102.0
1995/96	103.5	119.9	110.8	106.8	109.2	110.9	69.1	95.3	113.6	113.7	90.9	101.9
1996/97	116.5	134.7	133.5	138.8	115.8	119.7	91.3	85.4	142.9	103.6	128.4	81.3
1997/98	115.8	134.6	127.3	127.6	121.6	118.9	85.9	104.6	135.2	125.2	110.7	102.0
1998/99	121.7	141.5	139.0	140.9	141.5	131.1	110.1	109.2	139.7	132.7	107.5	98.9
1999/00	121.9	145.3	138.1	134.2	139.4	129.0	102.0	113.2	133.4	116.9	93.3	115.2
2000/01	124.6	140.5	149.0	119.3	133.9	142.2	99.0	103.7	119.4	136.6	139.0	109.9
2001/02	125.5	142.3	149.9	140.6	118.5	152.5	97.5	97.1	112.3	128.7	128.1	90.7
2002/03	113.7	158.3	132.6	112.0	146.1	117.0	69.4	107.3	92.8	81.3	101.3	104.0
2003/04	128.4	151.9	161.8	138.8	134.8	140.5	97.1	98.0	103.4	145.1	104.3	115.5
2004/05	145.9	176.7	177.7	160.0	149.5	163.0	116.0	98.2	139.4	146.7	158.2	116.9
2005/06	135.9	168.9	141.2	149.5	163.3	150.6	105.6	112.9	127.6	134.7	106.3	127.7
2006/07	134.5	162.7	160.8	145.4	151.1	153.6	69.4	109.7	103.0	149.4	134.4	131.0
	Corn											
	USA	IA	IL	NE	MN	IN	SD	WI	KS	OH	MO	MI
Durbin-Brown Coverage =	90%											
27 Yrs												
Slope	1.919	2.409	2.098	1.787	2.599	1.936	2.170	1.283	1.021	1.579	2.137	1.603
Intercept	-3715	-4672	-4053	-3439	-5066	-3735	-4250	-2465	-1919	-3032	-4157	-3099
Expected 2008/09	138.6	165.2	160.8	149.2	152.9	152.7	107.2	111.3	130.4	138.8	133.8	120.4
Olympic Average	110.0	129.4	129.8	122.6	114.4	124.3	74.6	93.2	115.9	115.4	101.9	96.7
Simple Average	109.8	129.1	129.3	122.4	113.9	123.7	74.7	92.1	115.1	115.1	101.7	96.4
DB Yield 2008/09	124.8	148.7	144.7	134.2	137.6	137.5	96.5	100.2	117.3	124.9	120.4	108.4
DB Yield 2009/10	126.5	150.9	146.6	135.8	139.9	139.2	98.4	101.3	118.3	126.3	122.3	109.8
DB Yield 2010/11	128.2	153.0	148.5	137.5	142.3	141.0	100.4	102.5	119.2	127.8	124.3	111.3
DB Yield 2011/12	130.0	155.2	150.4	139.1	144.6	142.7	102.3	103.6	120.1	129.2	126.2	112.7
DB Yield 2012/13	131.7	157.4	152.3	140.7	147.0	144.4	104.3	104.8	121.0	130.6	128.1	114.2
DB Yield 2013/14	133.4	159.5	154.2	142.3	149.3	146.2	106.2	105.9	121.9	132.0	130.0	115.6

Table 3 Continued. Durbin-Brown Expected Corn Yields with 90% Coverage

Corn												
Marketing Year	Texas	North Dakota	Pennsylvania	Kentucky	Colorado	New York	N. Carolina	Tennessee	California	Maryland	Virginia	Mississippi
	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)
2006 Planted Ac. (000)	1,760	1,690	1,350	1,120	1,000	950	790	550	520	490	480	340
1972/73	68.2	23.0	45.0	73.6	57.2	22.1	70.6	50.1	60.4	62.8	58.0	33.3
1973/74	81.1	18.5	54.4	74.0	61.0	29.4	74.1	48.9	60.2	69.6	62.7	28.9
1974/75	81.0	15.3	58.2	71.1	66.6	34.1	68.5	45.8	60.5	72.0	58.5	28.8
1975/76	94.8	14.3	57.1	66.0	63.6	38.5	60.9	47.3	66.2	77.3	64.4	30.5
1976/77	109.4	16.0	65.2	90.1	71.8	36.8	73.4	65.9	66.5	78.3	57.5	33.7
1977/78	89.8	30.6	66.9	80.2	83.1	40.5	44.4	55.2	66.6	59.2	36.4	23.0
1978/79	90.0	39.5	69.6	75.9	79.1	39.7	69.1	55.5	84.3	82.1	60.5	35.2
1979/80	94.5	40.3	70.5	92.1	95.1	46.0	69.4	70.3	70.7	84.5	63.0	30.1
1980/81	78.0	24.0	53.3	62.8	92.5	50.3	54.6	36.3	81.0	61.4	39.4	14.5
1981/82	110.9	46.2	71.9	86.9	108.3	52.9	70.5	69.8	76.1	89.5	68.6	35.8
1982/83	99.8	39.7	69.3	91.4	104.0	49.9	89.3	70.9	78.0	87.9	75.0	37.2
1983/84	91.1	40.5	45.3	37.5	95.4	45.0	51.2	35.4	75.6	57.0	26.8	35.2
1984/85	85.8	42.9	83.4	88.5	108.5	45.2	81.0	77.1	89.5	101.6	74.9	40.8
1985/86	100.9	41.6	85.3	91.4	118.3	49.6	70.5	83.6	84.4	94.5	73.6	48.9
1986/87	106.4	56.0	76.5	80.8	125.5	51.1	58.7	62.6	76.0	60.5	29.6	60.7
1987/88	102.9	60.4	65.4	91.2	133.7	56.9	59.8	72.3	83.6	64.1	35.6	57.1
1988/89	86.4	27.6	40.0	61.8	140.7	42.9	74.1	56.9	72.3	52.5	44.0	45.0
1989/90	89.9	39.6	71.7	102.9	128.4	46.1	84.1	87.2	77.9	91.7	78.7	54.4
1990/91	79.1	43.3	79.4	88.9	135.4	50.2	60.6	70.7	68.3	96.5	68.9	58.9
1991/92	97.1	55.2	46.1	79.5	133.8	49.4	81.4	70.7	55.8	77.7	56.3	59.2
1992/93	115.7	36.5	86.1	120.8	131.6	44.0	85.9	107.2	66.0	106.0	80.3	77.1
1993/94	106.4	21.1	68.0	92.6	106.3	51.5	55.3	70.0	70.1	65.5	34.9	67.4
1994/95	111.0	67.5	88.3	115.7	132.6	59.6	81.9	98.7	72.9	100.0	68.6	91.4
1995/96	103.1	57.6	68.2	96.2	97.0	57.6	93.6	99.6	55.2	93.3	71.0	87.1
1996/97	94.4	72.8	87.8	114.5	126.4	56.4	85.5	101.9	70.4	122.0	86.8	96.3
1997/98	120.8	74.9	63.9	93.3	131.3	56.4	80.7	90.3	77.0	72.4	61.7	100.7
1998/99	77.1	91.0	75.2	104.4	131.5	58.5	62.7	85.0	65.3	92.8	50.4	78.2
1999/00	117.1	95.8	41.1	93.9	129.3	51.8	68.3	92.3	59.9	71.2	43.7	106.7
2000/01	112.2	96.4	88.5	120.2	107.3	45.0	101.7	101.7	64.5	130.8	102.5	93.6
2001/02	104.7	92.1	64.9	130.2	122.8	55.0	111.6	118.4	56.7	113.8	86.4	125.1
2002/03	98.7	92.2	40.8	95.9	90.0	43.7	72.4	94.6	46.8	61.7	44.2	115.6
2003/04	106.4	90.4	70.6	126.5	111.3	53.2	97.4	114.4	42.3	105.1	80.7	130.1
2004/05	127.6	67.1	98.0	143.2	117.0	62.2	105.6	126.6	48.6	132.7	104.4	130.1
2005/06	102.9	109.8	86.8	124.6	127.8	57.6	112.0	119.0	39.9	114.9	86.7	123.9
2006/07	99.7	92.0	86.8	135.6	134.2	65.2	123.6	113.6	34.9	123.2	86.3	105.1
	TX	ND	PA	KY	CO	NY	NC	TN	CA	MD	VA	MS
n-Brown Coverage = 27 Yrs												
Slope	0.639	2.670	0.482	2.324	0.403	0.364	1.626	2.517	(1.553)	1.609	1.288	3.999
Intercept	-1173	-5259	-890	-4533	-683	-674	-3160	-4930	3162	-3117	-2502	-7893
Expected 2008/09	110.6	102.0	77.7	133.8	125.3	57.6	104.9	123.9	43.0	114.5	84.5	136.9
Olympic Average	100.9	61.7	70.6	99.6	119.6	52.0	80.0	86.6	66.6	90.2	65.1	77.3
Simple Average	101.0	62.0	70.5	98.9	119.3	52.1	80.5	86.2	66.3	90.4	65.2	76.9
DB Yield 2008/09	99.5	91.8	69.9	120.4	112.8	51.8	94.4	111.6	38.7	103.1	76.0	123.2
DB Yield 2009/10	100.1	94.2	70.3	122.5	113.2	52.2	95.9	113.8	37.3	104.5	77.2	126.8
DB Yield 2010/11	100.6	96.6	70.8	124.6	113.5	52.5	97.3	116.1	35.9	106.0	78.4	130.4
DB Yield 2011/12	101.2	99.1	71.2	126.7	113.9	52.8	98.8	118.3	34.5	107.4	79.5	134.0
DB Yield 2012/13	101.8	101.5	71.7	128.8	114.2	53.1	100.3	120.6	33.1	108.9	80.7	137.6
DB Yield 2013/14	102.4	103.9	72.1	130.9	114.6	53.5	101.7	122.9	31.7	110.3	81.8	141.2

Table 3 Continued. Durbin-Brown Expected Corn Yields with 90% Coverage

Corn													
Marketing Year	South Carolina Plant Yield Per Acre (Bu.)	Louisiana Plant Yield Per Acre (Bu.)	Georgia Plant Yield Per Acre (Bu.)	Oklahoma Plant Yield Per Acre (Bu.)	Idaho Plant Yield Per Acre (Bu.)	Alabama Plant Yield Per Acre (Bu.)	Arkansas Plant Yield Per Acre (Bu.)	Delaware Plant Yield Per Acre (Bu.)	Washington Plant Yield Per Acre (Bu.)	New Mexico Plant Yield Per Acre (Bu.)	Wyoming Plant Yield Per Acre (Bu.)	New Jersey Plant Yield Per Acre (Bu.)	Montana Plant Yield Per Acre (Bu.)
2006 Planted Ac. (000)	310	300	280	270	270	200	190	170	140	130	85	80	65
1972/73	56.0	45.3	47.8	52.3	20.7	41.5	29.5	76.2	43.8	36.7	29.4	36.6	5.9
1973/74	49.9	32.4	43.6	61.1	22.8	40.4	21.6	79.0	38.1	33.8	31.0	49.4	8.7
1974/75	55.7	37.2	52.6	63.6	25.1	39.0	28.1	68.1	29.8	49.0	23.1	56.9	8.9
1975/76	60.3	37.5	51.2	56.9	21.9	44.0	38.0	85.0	38.4	75.0	19.8	52.8	8.5
1976/77	69.4	52.1	58.2	69.4	25.8	54.5	45.8	82.1	44.0	80.6	23.6	61.4	9.6
1977/78	32.6	39.3	10.7	55.6	26.1	12.9	41.4	51.0	59.5	76.0	28.7	46.5	8.3
1978/79	49.4	42.7	44.1	35.2	35.0	42.5	45.0	89.2	62.3	72.7	31.7	65.5	8.2
1979/80	71.4	38.8	60.3	66.0	30.8	53.7	40.6	94.3	80.6	79.6	29.0	62.4	9.1
1980/81	42.3	27.6	34.1	42.0	36.0	28.2	17.3	67.1	75.9	64.3	41.3	56.0	7.0
1981/82	51.3	55.0	43.1	45.0	50.9	48.6	49.0	78.5	90.9	97.9	57.5	75.7	9.9
1982/83	77.8	58.2	77.0	56.3	56.1	55.7	67.5	96.0	109.1	90.3	55.9	75.0	17.5
1983/84	53.3	72.0	66.4	69.1	53.3	51.4	66.0	70.2	110.0	100.0	64.3	49.0	21.0
1984/85	71.2	99.3	74.8	70.0	53.6	55.6	84.6	105.9	116.3	108.6	53.6	81.5	15.3
1985/86	81.7	106.2	75.8	72.9	57.1	65.9	98.6	103.1	113.7	109.5	45.6	88.8	12.4
1986/87	38.5	111.7	47.0	75.9	60.0	45.3	94.2	77.9	120.0	112.0	64.6	80.5	18.7
1987/88	69.6	95.7	75.4	78.5	59.1	60.0	106.8	67.3	113.3	111.7	56.9	84.2	19.7
1988/89	51.1	81.9	51.7	76.0	59.1	31.2	92.3	65.3	113.3	113.7	76.1	58.2	24.4
1989/90	79.3	84.3	85.7	98.5	48.1	63.4	114.1	95.0	121.2	112.9	43.3	76.2	4.0
1990/91	39.4	107.9	56.7	95.5	39.0	48.0	86.7	109.9	116.7	93.8	66.7	88.5	13.2
1991/92	77.4	76.3	91.7	91.0	63.0	64.6	88.9	102.4	121.8	107.6	72.9	84.7	24.0
1992/93	82.1	114.1	92.0	121.5	45.2	84.0	117.6	112.7	121.8	108.2	57.7	98.4	39.3
1993/94	29.1	86.7	60.3	89.6	45.0	45.8	81.9	82.4	126.7	118.9	37.1	76.8	32.3
1994/95	79.3	110.0	95.4	92.9	49.0	86.1	108.0	121.0	129.5	95.9	73.2	96.4	38.3
1995/96	83.2	100.9	78.8	101.6	51.6	66.0	102.9	100.8	129.2	95.0	62.4	74.0	34.9
1996/97	75.1	122.2	86.0	123.3	49.1	73.8	119.8	137.6	130.6	113.1	72.4	107.7	37.4
1997/98	88.2	113.5	94.5	117.3	53.3	77.7	121.7	98.8	120.3	110.2	82.6	86.0	31.5
1998/99	31.4	62.5	45.1	105.9	53.8	42.0	91.5	91.7	118.8	100.2	80.2	75.1	34.5
1999/00	64.2	117.4	88.3	94.4	51.7	93.6	123.8	81.1	116.1	99.6	72.2	20.2	30.5
2000/01	58.7	112.9	71.3	124.4	46.8	46.6	126.4	152.2	119.4	70.4	85.1	111.7	37.3
2001/02	99.7	144.2	111.2	105.0	38.6	89.2	141.2	139.1	90.9	63.7	70.8	92.4	29.6
2002/03	38.2	112.7	93.8	102.9	36.7	79.2	128.9	77.9	102.3	61.3	52.1	47.4	28.0
2003/04	94.1	128.8	110.0	103.3	36.8	105.4	134.2	117.2	105.0	66.5	75.9	86.2	35.0
2004/05	93.7	131.8	108.7	120.0	55.4	109.0	133.4	145.4	123.5	83.5	72.8	119.7	30.6
2005/06	110.2	132.0	109.9	99.1	43.4	108.2	125.5	137.6	109.3	68.8	85.8	94.6	38.7
2006/07	102.9	135.3	90.0	85.6	40.9	59.4	138.3	137.3	112.5	64.0	68.3	103.2	40.4
	SC	LA	GA	OK	ID	AL	AR	DE	WA	NM	WY	NJ	MT
n-Brown Coverage = 27 Yrs													
Slope	1.274	2.671	1.882	2.166	(0.384)	1.862	3.120	2.143	0.365	(1.207)	0.980	0.866	1.078
Intercept	-2470	-5223	-3672	-4226	815	-3645	-6116	-4169	-614	2501	-1888	-1644	-2122
Expected 2008/09	88.1	140.1	106.5	123.5	43.6	94.0	149.1	134.8	119.5	76.0	79.4	94.0	42.3
Olympic Average	68.9	101.2	78.8	91.6	49.3	65.9	104.1	102.2	114.9	94.5	65.0	81.9	26.4
Simple Average	69.0	100.0	78.3	91.0	49.4	66.1	102.3	102.6	114.0	94.1	64.7	81.0	26.1
DB Yield 2008/09	79.3	126.1	95.9	111.2	39.2	84.6	134.2	121.3	107.5	68.4	71.5	84.6	38.1
DB Yield 2009/10	80.4	128.5	97.6	113.1	38.9	86.3	137.0	123.2	107.9	67.3	72.3	85.4	39.0
DB Yield 2010/11	81.6	130.9	99.3	115.1	38.5	88.0	139.8	125.2	108.2	66.2	73.2	86.2	40.0
DB Yield 2011/12	82.7	133.3	101.0	117.0	38.2	89.6	142.6	127.1	108.5	65.2	74.1	87.0	41.0
DB Yield 2012/13	83.9	135.7	102.7	119.0	37.9	91.3	145.4	129.0	108.8	64.1	75.0	87.7	41.9
DB Yield 2013/14	85.0	138.1	104.4	120.9	37.5	93.0	148.2	131.0	109.2	63.0	75.9	88.5	42.9

Table 3 Continued. Durbin-Brown Expected Corn Yields with 90% Coverage

----- Corn -----					
Marketing Year	Utah	Florida	Oregon	Arizona	West
	Plant	Plant	Plant	Plant	Plant
	Yield	Yield	Yield	Yield	Yield
	Per	Per	Per	Per	Per
	Acre	Acre	Acre	Acre	Acre
2006 Planted Ac. (000)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
	65	60	51	50	45
1972/73	9.2	38.7	15.8	20.2	41.8
1973/74	12.7	36.6	15.4	12.5	52.3
1974/75	11.8	42.1	18.0	16.2	46.9
1975/76	12.9	38.3	15.8	18.0	53.1
1976/77	13.5	53.1	21.1	40.0	51.6
1977/78	14.5	16.8	25.3	76.9	40.0
1978/79	15.7	43.9	29.5	82.1	48.0
1979/80	15.7	44.8	26.8	86.3	53.6
1980/81	15.0	39.5	30.4	70.0	52.7
1981/82	18.3	42.0	56.0	86.7	61.8
1982/83	22.3	52.3	89.1	79.2	65.3
1983/84	19.3	48.7	82.2	94.3	45.4
1984/85	23.0	54.6	89.0	105.7	70.4
1985/86	23.0	51.5	94.3	86.7	69.7
1986/87	31.3	49.6	80.0	84.0	56.8
1987/88	40.0	51.8	72.0	91.3	40.0
1988/89	39.0	37.7	60.0	106.1	27.3
1989/90	40.6	51.5	70.4	94.3	51.4
1990/91	40.9	50.7	54.0	74.7	58.3
1991/92	43.2	46.4	48.7	60.7	33.5
1992/93	47.6	55.0	64.3	116.9	63.5
1993/94	42.1	46.4	70.1	84.2	48.7
1994/95	42.7	56.7	70.8	91.1	52.5
1995/96	30.3	54.0	73.0	124.7	61.5
1996/97	44.8	70.4	93.9	127.3	64.6
1997/98	47.4	50.0	105.3	110.0	52.6
1998/99	54.6	21.3	114.0	105.0	45.3
1999/00	46.9	41.3	116.7	117.0	21.7
2000/01	40.5	22.1	88.4	115.5	82.7
2001/02	35.5	34.8	56.0	105.9	62.4
2002/03	39.9	47.4	66.7	86.3	63.0
2003/04	36.6	42.6	100.0	88.9	64.7
2004/05	33.8	41.1	82.1	91.7	79.1
2005/06	35.6	40.5	75.5	85.8	67.8
2006/07	41.1	41.0	102.4	61.2	69.3

	UT	FL	OR	AZ	WV
n-Brown Coverage =					
27 Yrs					
Slope	0.788	(0.395)	1.020	0.386	0.450
Intercept	-1533	833	-1956	-674	-840
Expected 2008/09	47.9	40.0	93.3	100.0	63.5
Olympic Average	36.2	46.0	78.3	94.3	57.1
Simple Average	36.1	46.0	78.0	94.3	56.8
DB Yield 2008/09	43.1	36.0	84.0	90.0	57.2
DB Yield 2009/10	43.8	35.7	84.9	90.4	57.6
DB Yield 2010/11	44.6	35.3	85.8	90.7	58.0
DB Yield 2011/12	45.3	35.0	86.7	91.1	58.4
DB Yield 2012/13	46.0	34.6	87.6	91.4	58.8
DB Yield 2013/14	46.7	34.3	88.5	91.8	59.2

Table 4. Durbin-Brown Expected Soybean Yields with 90% Coverage

Soybeans													
Marketing Year	USA	Iowa	Illinois	Minnesota	Indiana	Missouri	Nebraska	Ohio	South Dakota	North Dakota	Kansas	Arkansas	Michigan
	Plant Yield Per Acre	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (Bu.)
2006 Planted Ac. (000)		10150	10100	7350	5700	5150	5050	4650	3950	3900	3150	3110	2000
1972/73	27.1	35.7	34.1	27.8	29.1	26.9	32.1	26.0	27.2	19.5	27.2	19.6	23.9
1973/74	27.4	33.8	31.3	28.8	31.4	26.4	29.5	25.3	23.8	23.3	21.3	24.7	23.8
1974/75	23.2	27.7	24.1	21.8	24.6	21.0	24.1	25.7	19.9	16.2	19.2	19.5	20.7
1975/76	28.4	33.9	35.9	26.6	33.3	25.5	26.6	32.8	24.8	16.1	20.6	24.7	25.8
1976/77	25.6	30.9	32.8	21.8	33.8	19.5	19.7	32.8	16.5	12.3	14.4	18.8	20.3
1977/78	30.0	35.4	37.8	35.2	36.7	31.5	35.4	34.8	30.0	19.4	27.7	22.8	30.6
1978/79	28.9	37.3	33.3	35.6	34.3	28.2	33.5	32.7	29.7	27.2	17.6	24.2	23.7
1979/80	31.7	37.4	38.7	31.6	35.4	31.1	33.6	35.3	32.3	26.5	26.2	27.7	29.7
1980/81	25.7	38.4	33.3	31.2	35.8	23.8	29.0	35.6	25.7	16.7	15.4	13.6	32.7
1981/82	29.4	39.8	37.6	31.2	32.6	29.3	36.6	28.1	28.6	27.4	29.4	21.8	29.7
1982/83	30.9	36.2	38.3	34.2	38.2	29.5	34.2	35.5	29.8	20.5	25.4	23.5	30.7
1983/84	25.6	34.8	29.3	32.6	30.6	19.4	28.1	31.8	26.1	26.5	15.2	18.0	32.2
1984/85	27.5	31.1	30.9	32.6	34.1	19.8	25.5	36.2	22.3	22.7	16.4	25.0	26.8
1985/86	33.2	37.8	42.0	31.4	41.1	34.0	35.4	41.2	31.8	25.5	29.1	26.1	31.4
1986/87	32.2	41.3	39.8	34.3	36.6	31.3	37.2	40.2	30.0	34.6	31.5	19.4	29.7
1987/88	33.3	43.2	37.6	38.6	39.5	31.6	34.8	36.5	32.3	32.2	31.4	22.7	35.7
1988/89	26.3	30.8	26.7	25.5	26.9	26.1	29.5	25.6	23.6	16.6	22.4	25.6	28.1
1989/90	31.6	38.9	39.8	36.6	36.1	27.7	31.5	31.3	25.7	21.7	26.3	22.8	35.3
1990/91	33.3	41.0	38.6	38.2	40.8	29.6	33.9	38.8	27.6	25.7	23.4	26.6	37.7
1991/92	33.6	40.2	37.1	35.5	38.6	30.0	33.0	35.7	26.5	30.3	21.9	27.6	37.7
1992/93	37.0	43.8	42.7	31.4	42.7	37.6	41.3	39.3	27.4	24.6	36.0	32.6	32.8
1993/94	31.1	29.9	41.6	21.3	45.5	28.0	34.6	37.6	20.8	15.3	26.6	25.6	37.7
1994/95	40.8	50.3	45.2	39.3	46.8	37.7	46.4	43.4	37.5	29.5	34.2	33.5	36.8
1995/96	34.8	43.8	38.8	39.8	39.3	28.9	32.6	37.8	29.4	28.1	24.4	25.6	39.7
1996/97	37.1	43.8	40.3	37.4	37.7	36.5	44.4	34.9	33.6	28.8	36.1	31.5	28.3
1997/98	38.4	45.6	42.8	38.7	43.1	35.6	39.9	43.9	34.5	29.2	36.2	30.1	38.3
1998/99	38.1	47.8	43.8	41.4	41.3	33.3	43.4	43.9	38.4	31.5	29.4	23.9	38.8
1999/00	36.0	44.3	41.8	41.4	38.7	27.2	42.0	35.2	35.7	34.7	28.5	27.2	39.8
2000/01	37.1	43.4	43.8	40.2	45.8	34.0	37.4	41.9	34.8	31.2	16.9	24.0	35.6
2001/02	39.0	43.7	44.7	36.5	48.9	37.6	45.0	40.8	31.8	32.9	30.7	31.4	29.7
2002/03	37.3	47.8	42.8	42.9	41.3	33.7	37.5	31.8	29.8	32.5	21.2	32.7	38.3
2003/04	33.4	32.3	36.9	31.8	37.4	29.2	40.1	38.3	27.2	28.1	21.9	38.1	27.4
2004/05	41.5	48.8	49.7	31.9	51.2	44.6	45.5	46.7	33.8	21.9	39.7	38.4	37.6
2005/06	42.5	52.2	46.3	44.3	48.8	36.7	50.1	44.8	34.6	35.4	36.4	33.7	38.3
2006/07	42.2	50.3	47.8	43.4	49.8	37.7	49.6	46.7	33.1	30.8	31.3	34.5	44.8
Soybeans													
	USA	IA	IL	MN	IN	MO	NE	OH	SD	ND	KS	AR	MI
Durbin-Brown Coverage = 27 Yrs		90%											
Slope	0.522	0.470	0.478	0.351	0.531	0.469	0.636	0.386	0.298	0.344	0.346	0.600	0.299
Intercept	-1006	-895	-913	-665	-1019	-903	-1230	-732	-563	-658	-662	-1169	-562
09 Gross Yield	42.2	48.6	47.2	41.0	48.3	38.5	47.3	43.7	34.6	32.4	32.5	36.3	39.0
Olympic Average	34.4	41.6	40.1	35.9	40.5	31.5	37.7	38.1	30.1	27.4	27.3	27.3	34.4
Simple Average	34.4	41.5	40.0	35.7	40.3	31.5	37.7	37.9	30.1	27.2	27.3	27.2	34.5
DB Yield 2008/09	38.0	43.7	42.4	36.9	43.5	34.7	42.5	39.3	31.1	29.1	29.2	32.6	35.1
DB Yield 2009/10	38.5	44.1	42.9	37.2	44.0	35.1	43.1	39.7	31.4	29.4	29.6	33.2	35.4
DB Yield 2010/11	39.0	44.6	43.3	37.5	44.4	35.5	43.7	40.0	31.6	29.8	29.9	33.7	35.6
DB Yield 2011/12	39.4	45.0	43.7	37.8	44.9	35.9	44.3	40.4	31.9	30.1	30.2	34.2	35.9
DB Yield 2012/13	39.9	45.4	44.2	38.1	45.4	36.4	44.8	40.7	32.2	30.4	30.5	34.8	36.2
DB Yield 2013/14	40.4	45.8	44.6	38.4	45.9	36.8	45.4	41.1	32.4	30.7	30.8	35.3	36.4

Table 4 Continued. Durbin-Brown Expected Soybean Yields with 90% Coverage

----- Soybeans -----												
	Missis- sippi	Wiscon- sin	Kentu- cky	North Carolin a	Tennes- see	Louis- iana	Virgini- a	Mary- land	Penn- sylvania	S. Carol- ina	Okla- homa	Texas
	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre
Marketing Year	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
2006 Planted Ac. (000)	1670	1650	1380	1370	1160	870	520	470	430	400	310	225
1972/73	18.6	25.4	25.3	23.3	20.2	22.9	21.4	26.5	22.8	17.7	19.3	24.3
1973/74	21.4	24.5	25.0	23.2	22.5	21.9	25.9	30.5	24.8	18.2	21.0	18.9
1974/75	18.7	18.9	23.8	21.2	19.7	25.9	23.1	27.6	25.2	19.4	20.9	25.5
1975/76	21.7	24.4	25.8	22.2	23.7	24.0	24.0	27.6	27.0	21.4	21.3	23.4
1976/77	21.4	20.9	26.3	20.2	21.1	27.6	19.9	24.6	28.1	17.4	21.2	24.1
1977/78	20.9	33.6	30.3	19.6	22.5	22.9	18.6	26.6	30.0	19.7	21.8	25.2
1978/79	20.9	31.3	29.1	23.0	22.5	24.5	27.7	31.6	30.4	21.4	13.8	24.7
1979/80	28.3	33.4	31.4	22.9	26.2	27.6	28.3	29.6	30.8	23.4	21.2	24.3
1980/81	15.4	32.5	21.8	17.1	17.3	19.4	14.8	23.4	23.6	12.2	8.6	19.8
1981/82	20.4	32.6	28.1	24.1	24.0	20.5	27.6	29.1	29.9	19.4	23.1	18.9
1982/83	24.9	29.7	30.6	24.4	25.4	25.1	28.4	28.7	29.3	21.4	16.8	23.0
1983/84	18.4	34.6	16.3	18.9	15.6	25.5	15.0	25.7	22.9	15.9	15.6	20.5
1984/85	23.3	29.1	27.9	25.2	25.3	26.7	28.7	28.3	34.0	19.6	17.4	26.4
1985/86	26.2	27.4	33.2	21.7	30.2	19.6	24.1	31.2	34.1	19.1	20.8	22.7
1986/87	16.0	34.9	31.2	22.4	24.1	18.6	22.4	26.3	34.0	13.4	18.8	18.2
1987/88	18.7	36.8	25.8	23.5	22.1	24.3	20.7	22.0	33.1	21.4	24.0	24.7
1988/89	20.6	20.9	24.6	25.8	24.6	28.3	27.2	30.3	31.4	23.2	16.8	26.3
1989/90	18.2	36.1	30.7	26.2	22.9	19.7	31.4	28.9	33.5	20.6	22.8	24.9
1990/91	19.5	40.1	31.2	23.1	26.0	23.3	31.1	35.3	40.3	17.3	18.5	22.7
1991/92	24.6	40.5	31.9	28.6	28.6	26.7	27.4	33.3	31.9	21.3	21.7	29.3
1992/93	33.1	29.4	37.3	26.0	33.3	28.8	29.8	32.4	38.3	21.4	25.8	32.2
1993/94	21.5	33.9	32.2	22.2	29.5	23.1	20.7	25.6	38.4	13.0	22.3	16.9
1994/95	30.0	42.0	36.8	29.9	34.8	27.8	30.8	34.9	41.3	26.1	30.9	32.0
1995/96	20.4	41.4	35.4	23.3	30.5	24.3	23.0	21.3	29.5	23.1	19.0	24.0
1996/97	30.1	35.0	37.4	27.8	33.5	32.4	32.6	36.2	39.3	24.1	24.7	24.2
1997/98	30.6	42.3	33.9	27.6	32.9	28.0	22.1	29.4	36.5	22.1	29.1	26.7
1998/99	23.4	45.0	29.5	25.9	28.1	18.7	22.1	30.3	39.5	19.4	13.0	13.5
1999/00	22.9	44.3	20.3	21.4	18.2	26.2	25.3	31.3	27.4	18.8	14.3	25.7
2000/01	20.4	38.7	38.3	31.6	24.4	21.9	37.7	42.6	42.4	23.9	9.9	24.2
2001/02	31.9	36.3	39.4	31.3	33.0	31.5	34.1	38.6	34.6	20.0	11.7	22.5
2002/03	30.4	43.4	32.5	22.6	29.9	26.4	21.6	22.1	25.0	16.2	24.1	25.0
2003/04	38.7	27.2	43.2	29.0	40.9	33.1	32.6	36.6	40.5	27.3	23.6	26.8
2004/05	36.8	33.4	43.7	33.3	40.0	29.7	38.3	42.6	45.5	26.5	27.2	29.8
2005/06	36.0	43.2	42.7	26.5	37.0	32.8	28.9	33.3	40.0	20.0	24.4	23.0
2006/07	25.7	43.7	43.7	31.8	38.0	33.8	30.4	33.6	39.5	28.3	11.8	16.5
	MS	WI	KY	NC	TN	LA	VA	MD	PA	SC	OK	TX
in-Brown Coverage =												
27 Yrs												
Slope	0.552	0.401	0.636	0.328	0.590	0.363	0.359	0.367	0.415	0.267	0.087	0.070
Intercept	-1076	-763	-1235	-627	-1147	-698	-689	-701	-792	-511	-153	-116
09 Gross Yield	33.4	42.1	42.1	30.5	37.4	31.2	32.4	36.4	40.9	24.6	21.2	24.8
Olympic Average	25.0	36.3	32.8	25.6	28.5	25.8	27.0	30.8	34.7	20.6	19.9	23.8
Simple Average	25.1	36.1	32.6	25.6	28.5	25.8	27.0	30.9	34.7	20.6	19.9	23.7
DB Yield 2008/09	30.1	37.9	37.9	27.5	33.6	28.1	29.1	32.7	36.8	22.1	19.1	22.3
DB Yield 2009/10	30.6	38.3	38.5	27.8	34.2	28.4	29.5	33.1	37.2	22.3	19.1	22.4
DB Yield 2010/11	31.1	38.6	39.0	28.0	34.7	28.8	29.8	33.4	37.5	22.6	19.2	22.4
DB Yield 2011/12	31.6	39.0	39.6	28.3	35.2	29.1	30.1	33.7	37.9	22.8	19.3	22.5
DB Yield 2012/13	32.1	39.3	40.2	28.6	35.8	29.4	30.4	34.1	38.3	23.1	19.4	22.5
DB Yield 2013/14	32.6	39.7	40.8	28.9	36.3	29.7	30.8	34.4	38.7	23.3	19.5	22.6

Table 4 Continued. Durbin-Brown Expected Soybean Yields with 90% Coverage

----- Soybeans -----				
	Dela- ware Plant Yield Per Acre	Ala- bama Plant Yield Per Acre	Geor- gia Plant Yield Per Acre	New Jersey Plant Yield Per Acre
Marketing Year	(Bu.)	(Bu.)	(Bu.)	(Bu.)
2006 Planted Ac. (000)	180	160	155	88
1972/73	24.6	19.3	14.0	16.4
1973/74	27.6	20.4	20.5	20.3
1974/75	25.4	22.3	24.0	28.4
1975/76	24.7	23.7	24.9	25.5
1976/77	23.7	23.4	23.0	23.7
1977/78	23.5	20.3	17.4	23.0
1978/79	28.5	20.4	16.8	30.4
1979/80	29.5	24.4	27.3	29.7
1980/81	19.6	14.3	10.6	17.5
1981/82	26.5	22.7	18.2	28.7
1982/83	23.6	24.4	26.4	24.7
1983/84	28.4	19.4	20.5	22.7
1984/85	23.1	20.6	19.0	30.5
1985/86	29.4	25.8	20.7	33.7
1986/87	23.5	21.6	12.8	28.3
1987/88	17.6	17.4	19.7	30.7
1988/89	26.4	24.2	24.2	26.5
1989/90	28.4	20.0	24.9	31.4
1990/91	33.8	15.9	10.9	36.3
1991/92	34.3	22.4	26.6	35.4
1992/93	31.3	27.0	28.6	32.5
1993/94	22.5	22.8	13.6	28.4
1994/95	35.7	29.5	29.8	33.8
1995/96	19.8	22.5	26.2	21.7
1996/97	34.5	32.4	25.4	36.7
1997/98	28.4	24.3	20.0	30.3
1998/99	32.4	20.7	15.4	27.5
1999/00	26.5	13.3	16.4	22.4
2000/01	42.6	15.2	19.8	39.2
2001/02	38.2	33.8	24.4	30.4
2002/03	24.3	21.9	20.1	23.3
2003/04	35.6	33.9	31.3	33.2
2004/05	41.6	31.7	29.9	41.2
2005/06	25.6	31.9	25.3	26.8
2006/07	30.5	18.8	22.6	34.2

	DE	AL	GA	NJ
n-Brown Coverage =				
27 Yrs				
Slope	0.413	0.276	0.266	0.240
Intercept	-794	-528	-508	-448
09 Gross Yield	35.2	27.4	25.6	33.5
Olympic Average	29.0	23.2	21.6	30.0
Simple Average	29.0	23.3	21.6	29.9
DB Yield 2008/09	31.7	24.7	23.0	30.2
DB Yield 2009/10	32.1	24.9	23.3	30.4
DB Yield 2010/11	32.5	25.2	23.5	30.6
DB Yield 2011/12	32.8	25.4	23.7	30.8
DB Yield 2012/13	33.2	25.7	24.0	31.0
DB Yield 2013/14	33.6	25.9	24.2	31.3

Table 5. Durbin-Brown Expected Upland Cotton Yields with 90% Coverage

Marketing Year 2006 Planted Ac. (000)	Upland Cotton											S.
	USA	Texas	Geor- gia	Missis- sippi	Ar- kansas	N. Carol- ina	Tennes- see	Louisi- ana	Ala- bama	Mis- souri	Ok- lahoma	Carol- ina
	Plant Yield Per Acre (Bu.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)	Plant Yield Per Acre (lb.)
	6,400	1,400	1,230	1,170	870	700	635	575	500	320	300	
1972/73	469.8	365.9	368.6	578.9	468.6	272.0	487.1	490.4	452.8	484.4	288.2	369.6
1973/74	499.4	415.4	485.0	636.3	478.2	423.2	450.8	471.8	410.5	358.5	374.7	421.8
1974/75	404.2	227.3	475.5	430.1	352.0	404.1	273.8	413.5	417.6	298.4	261.1	453.5
1975/76	420.8	262.8	430.5	437.9	471.1	394.3	318.1	519.0	389.0	427.6	226.7	439.6
1976/77	435.5	330.7	374.6	361.1	331.1	460.8	260.6	465.7	380.7	259.7	240.0	409.4
1977/78	503.7	394.5	171.1	572.2	522.9	292.4	376.6	577.8	328.3	417.8	391.2	307.8
1978/79	388.5	261.9	444.0	551.2	391.1	480.0	451.2	445.5	429.8	429.7	281.7	525.7
1979/80	502.3	343.8	470.7	632.8	476.9	448.7	328.3	704.7	501.7	480.0	417.6	506.2
1980/81	365.7	203.0	242.8	477.1	304.5	378.2	331.0	387.4	406.2	346.8	137.6	303.0
1981/82	523.5	363.2	424.0	610.7	475.3	549.4	465.2	508.8	537.3	333.2	324.9	661.5
1982/83	505.1	223.4	692.0	844.8	625.2	689.6	625.8	690.2	769.3	635.8	238.0	767.0
1983/84	468.6	285.6	448.0	628.8	484.5	344.0	329.5	608.0	401.1	324.4	217.5	368.7
1984/85	557.5	330.2	770.7	757.9	625.0	593.8	475.8	779.8	694.4	547.3	206.7	784.6
1985/86	601.2	375.4	696.5	756.6	725.7	638.2	591.5	556.5	792.7	644.2	369.7	696.8
1986/87	460.3	250.9	394.7	560.0	589.7	638.0	559.1	557.0	502.9	528.5	252.0	353.9
1987/88	677.3	473.4	649.0	821.2	779.2	490.0	691.6	775.1	568.8	792.0	415.2	424.0
1988/89	587.2	447.0	507.4	712.2	721.0	506.7	524.0	619.1	467.7	599.5	316.2	463.4
1989/90	540.8	296.3	619.5	710.9	669.6	604.3	491.4	646.0	560.5	603.4	224.4	616.0
1990/91	600.0	433.3	547.6	722.0	673.9	628.1	452.6	697.5	473.7	607.7	482.5	449.0
1991/92	598.7	358.9	806.0	877.1	756.5	667.8	542.7	775.7	647.4	620.2	261.8	782.6
1992/93	581.1	284.9	776.3	757.7	806.9	591.2	640.5	700.6	718.3	775.2	272.4	550.7
1993/94	571.2	440.6	572.1	559.4	530.4	528.0	418.6	596.0	508.2	523.1	350.3	484.8
1994/95	684.5	432.9	833.6	799.5	867.9	818.8	720.0	806.4	752.7	838.6	329.3	838.4
1995/96	503.4	334.5	621.1	605.3	602.3	475.8	496.5	608.3	400.3	533.0	155.4	518.6
1996/97	614.0	365.9	744.7	804.0	785.3	649.9	600.0	693.6	728.3	727.4	221.8	769.0
1997/98	641.7	448.6	639.7	887.4	824.3	647.0	648.5	722.6	493.5	686.6	439.2	678.6
1998/99	495.1	305.8	540.3	729.6	630.8	693.6	582.4	575.1	536.2	454.1	420.0	579.3
1999/00	536.3	394.1	511.7	692.4	706.6	445.1	501.1	703.2	531.0	596.2	288.0	408.7
2000/01	525.4	295.5	532.2	631.8	712.5	737.5	597.9	615.9	441.8	648.0	260.6	606.4
2001/02	607.1	340.8	715.2	709.9	814.7	827.9	757.2	570.5	723.9	823.7	350.2	676.8
2002/03	578.6	432.0	522.4	793.8	834.5	411.6	694.9	682.2	463.7	770.5	501.6	216.8
2003/04	643.2	371.1	779.1	916.8	883.6	614.5	762.9	939.0	749.7	840.0	581.3	711.3
2004/05	805.6	635.1	668.7	1014.5	1101.9	894.2	891.2	849.6	710.4	1048.4	661.1	870.7
2005/06	798.9	680.9	842.0	851.7	1006.6	846.3	841.5	864.0	740.1	942.5	673.9	739.8
2006/07	668.6	435.0	800.2	822.2	1035.9	709.0	938.1	938.1	567.7	945.6	304.5	692.8
	Upland Cotton											
	USA	TX	GA	MS	AR	NC	TN	LA	AL	MO	OK	SC
Durbin-Brown Coverage =	90%											
27 Yrs												
Slope	7.350	7.624	8.481	7.535	17.335	8.632	14.307	9.490	2.728	16.942	10.308	5.208
Intercept	-14065	-14816	-16277	-14274	-33824	-16588	-27915	-18229	-4848	-33108	-20201	-9786
09 Gross Yield	693.2	493.6	753.0	855.8	985.0	745.0	813.5	826.3	629.3	911.0	497.4	671.2
Olympic Average	582.8	374.2	632.5	742.5	726.7	615.2	596.1	685.6	587.8	654.5	337.8	597.0
Simple Average	583.0	379.2	625.8	742.8	725.0	615.5	598.9	683.9	588.4	656.9	342.8	593.1
DB Yield 2008/09	623.9	444.2	677.7	770.2	886.5	670.5	732.2	743.6	566.4	819.9	447.7	604.1
DB Yield 2009/10	630.5	451.1	685.4	777.0	902.1	678.2	745.1	752.2	568.9	835.2	457.0	608.8
DB Yield 2010/11	637.1	457.9	693.0	783.8	917.7	686.0	757.9	760.7	571.3	850.4	466.3	613.5
DB Yield 2011/12	643.8	464.8	700.6	790.6	933.3	693.8	770.8	769.3	573.8	865.7	475.5	618.1
DB Yield 2012/13	650.4	471.7	708.3	797.4	948.9	701.6	783.7	777.8	576.2	880.9	484.8	622.8
DB Yield 2013/14	657.0	478.5	715.9	804.1	964.5	709.3	796.6	786.3	578.7	896.2	494.1	627.5

Table 5 Continued. Durbin-Brown Expected Upland Cotton Yields with 90% Coverage

----- Upland Cotton -----						
	Califor- nia	Arizona	Kansas	Virginia	Florida	New Mexico
	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre	Plant Yield Per Acre
Marketing Year	(lb.)	(lb.)	(lb.)	(lb.)	(lb.)	(lb.)
2006 Planted Ac. (000)	285	190	115	105	103	50
1972/73	976.0	1060.2	N/A	140.0	518.4	537.9
1973/74	883.7	1062.6	N/A	391.1	476.2	498.3
1974/75	996.5	1218.4	N/A	338.8	487.7	470.5
1975/76	1042.1	1022.5	N/A	360.0	324.0	343.6
1976/77	1054.3	1174.0	N/A	411.4	493.0	494.1
1977/78	956.6	993.4	N/A	144.0	418.1	589.9
1978/79	629.2	949.3	N/A	240.0	480.0	353.9
1979/80	991.4	1059.3	N/A	320.0	564.7	324.2
1980/81	962.8	1181.7	N/A	320.0	600.0	340.1
1981/82	1101.8	1244.8	N/A	360.0	568.0	469.4
1982/83	1068.9	1115.9	96.0	640.0	588.0	473.9
1983/84	985.5	1195.9	240.0	360.0	583.7	600.0
1984/85	991.7	1224.6	180.0	528.0	822.9	542.3
1985/86	1123.8	1237.3	240.0	443.1	636.7	486.9
1986/87	1077.6	1296.0	280.0	514.3	689.2	472.4
1987/88	1247.6	1405.2	432.0	373.3	634.6	647.3
1988/89	1004.1	1186.3	336.0	510.0	497.5	635.8
1989/90	1216.5	1298.0	64.0	480.0	545.9	629.5
1990/91	1193.0	1112.2	224.0	561.5	622.7	660.9
1991/92	1248.0	1197.3	312.0	764.7	704.6	438.3
1992/93	1352.2	1070.8	38.4	612.5	694.1	414.5
1993/94	1333.9	1200.0	180.0	622.8	689.8	699.8
1994/95	1185.6	1199.2	411.4	932.7	724.2	654.5
1995/96	948.5	1042.8	126.3	614.6	467.8	558.7
1996/97	1147.2	1185.5	437.3	741.0	632.2	683.4
1997/98	1195.1	1251.0	348.0	652.0	571.7	637.7
1998/99	846.3	1167.4	392.5	757.0	439.6	582.1
1999/00	1243.3	1272.9	318.5	623.1	511.4	622.9
2000/01	1368.8	1356.0	266.4	724.4	391.4	673.3
2001/02	1348.6	1122.7	356.7	920.2	606.7	875.3
2002/03	1460.0	1368.6	457.8	456.0	384.0	755.6
2003/04	1304.7	1227.9	477.3	644.0	597.4	634.0
2004/05	1534.3	1446.0	399.2	944.8	587.9	797.6
2005/06	1188.8	1283.5	568.9	944.5	753.5	925.7
2006/07	1312.0	1404.6	488.3	710.4	773.6	892.8
	CA	AZ	KS	VA	FL	NM
n-Brown Coverage =						
27 Yrs						
Slope	12.298	4.319	12.255	16.423	(1.829)	14.139
Intercept	-23324	-7376	-24129	-32111	4250	-27557
09 Gross Yield	1369.3	1297.9	478.4	866.9	577.0	834.5
Olympic Average	1184.4	1232.2	307.1	619.6	604.5	621.6
Simple Average	1184.8	1233.1	306.8	620.6	604.4	622.4
DB Yield 2008/09	1232.4	1168.1	430.6	780.2	519.3	751.0
DB Yield 2009/10	1243.4	1172.0	441.6	795.0	517.6	763.8
DB Yield 2010/11	1254.5	1175.9	452.6	809.8	516.0	776.5
DB Yield 2011/12	1265.6	1179.8	463.7	824.6	514.3	789.2
DB Yield 2012/13	1276.6	1183.7	474.7	839.3	512.7	801.9
DB Yield 2013/14	1287.7	1187.6	485.7	854.1	511.0	814.7

Table 6. Durbin-Brown Expected Rice Yields with 90% Coverage

----- Rice -----							
	USA Plant	Ar- kansas Plant	California Plant	Louisi- ana Plant	Missouri Plant	Missis- sippi Plant	Texas Plant
Marketing Year	Yield Per Acre (lb.)	Yield Per Acre (lb.)	Yield Per Acre (lb.)	Yield Per Acre (lb.)	Yield Per Acre (lb.)	Yield Per Acre (lb.)	Yield Per Acre (lb.)
2006 Planted Ac. (000)		1406	526	350	216	190	150
1972/73	4684	4964	5666	3818	4360	4471	4717
1973/74	4253	4761	5588	3429	4264	4306	3712
1974/75	4407	4582	5254	3644	3627	3959	4470
1975/76	4534	4531	5694	3798	4211	3809	4545
1976/77	4646	4748	5504	3895	4200	4171	4790
1977/78	4388	4214	5778	3634	3700	3964	4661
1978/79	4449	4410	5188	3801	4327	4154	4683
1979/80	4566	4278	6484	3895	3809	3992	4193
1980/81	4324	4047	6395	3377	4180	3690	4206
1981/82	4775	4462	6821	4041	4025	4351	4696
1982/83	4663	4225	6639	4144	4478	4038	4677
1983/84	4553	4233	6997	3767	4022	3975	4314
1984/85	4905	4560	7000	4138	4536	4238	4917
1985/86	5371	5151	7207	4356	4810	5294	5476
1986/87	5601	5249	7638	4507	5050	5346	6229
1987/88	5501	5199	7469	4496	5319	5049	5878
1988/89	5452	5306	6940	4418	5039	5200	5969
1989/90	5657	5551	7805	4255	5072	5581	5666
1990/91	5388	4839	7607	4769	4087	5588	5966
1991/92	5526	5137	8476	4417	4837	5476	5965
1992/93	5657	5422	8457	4579	4595	5598	5767
1993/94	5346	4851	8243	4423	4340	5194	5365
1994/95	5899	5621	8465	4712	4922	5863	5986
1995/96	5571	5409	7570	4558	4988	5363	5563
1996/97	6076	6097	7462	4856	5436	5943	6155
1997/98	5856	5659	8214	4612	5083	5752	5477
1998/99	5615	5742	6823	4497	5128	5757	5560
1999/00	5835	5832	7194	4972	5342	5615	5874
2000/01	6238	6064	7913	5031	5666	5846	6671
2001/02	6457	6306	8137	5477	5886	6548	6847
2002/03	6511	6382	8065	5444	5795	6350	7095
2003/04	6615	6561	7669	5802	5957	6771	6564
2004/05	6942	6955	8531	5340	6766	6871	6714
2005/06	6597	6622	7355	5846	6539	6352	6766
2006/07	6826	6822	7612	5741	6341	6963	7173

	----- Rice -----						
	USA	AR	CA	LA	MO	MS	TX
Durbin-Brown Coverage =	90%						
27 Yrs							
Slope	81.622	96.190	40.231	70.591	80.791	101.458	84.949
Intercept	-156977	-186215	-72600	-136001	-155897	-196703	-163469
09 Gross Yield	6919.0	6935.6	8185.1	5746.9	6331.8	7026.0	7109.0
Olympic Average	5699.6	5492.0	7591.1	4694.1	5098.0	5518.3	5846.3
Simple Average	5694.6	5492.7	7581.6	4688.0	5120.0	5504.1	5834.7
DB Yield 2008/09	6227	6242	7367	5172	5699	6323	6398
DB Yield 2009/10	6301	6329	7403	5236	5771	6415	6475
DB Yield 2010/11	6374	6415	7439	5299	5844	6506	6551
DB Yield 2011/12	6447	6502	7475	5363	5917	6597	6627
DB Yield 2012/13	6521	6588	7511	5426	5989	6689	6704
DB Yield 2013/14	6594	6675	7548	5490	6062	6780	6780

Table 7. Durbin-Brown Yields based on 27 Years versus Other Selected Years

Marketing Year	Corn	Corn	Wheat	Corn	Corn	Wheat	Corn	Corn	Wheat	Corn	Corn	Wheat
	Kansas	Iowa	Kansas	Kansas	Iowa	Kansas	Kansas	Iowa	Kansas	Kansas	Iowa	Kansas
	State	State	State	State	State	State	State	State	State	State	State	State
	Plant	Plant	Plant	Plant	Plant	Plant	Plant	Plant	Plant	Plant	Plant	Plant
	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield
	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per
	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre	Acre
	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)	(Bu.)
2006 Planted Ac. (000)	3,350	12,600	9,800	3,350	12,600	9,800	3,350	12,600	9,800	3,350	12,600	9,800
1972/73										82.8	109.2	30.6
1973/74										81.1	100.8	35.6
1974/75										61.1	73.3	26.6
1975/76										72.3	83.7	27.4
1976/77										79.9	84.2	26.3
1977/78										79.4	79.1	26.1
1978/79										84.1	108.7	26.5
1979/80										98.3	121.0	33.9
1980/81	65.2	104.5	32.3							65.2	104.5	32.3
1981/82	109.7	120.2	21.8	109.7	120.2	21.8				109.7	120.2	21.8
1982/83	99.3	114.8	32.5	99.3	114.8	32.5				99.3	114.8	32.5
1983/84	75.1	81.7	34.0	75.1	81.7	34.0				75.1	81.7	34.0
1984/85	103.8	107.8	32.4	103.8	107.8	32.4				103.8	107.8	32.4
1985/86	117.0	122.8	34.9	117.0	122.8	34.9				117.0	122.8	34.9
1986/87	125.2	132.3	29.3	125.2	132.3	29.3				125.2	132.3	29.3
1987/88	109.3	126.9	34.2	109.3	126.9	34.2				109.3	126.9	34.2
1988/89	115.0	79.5	31.7	115.0	79.5	31.7				115.0	79.5	31.7
1989/90	113.1	114.7	17.2	113.1	114.7	17.2	113.1	114.7	17.2	113.1	114.7	17.2
1990/91	117.8	122.1	38.1	117.8	122.1	38.1	117.8	122.1	38.1	117.8	122.1	38.1
1991/92	114.6	114.2	30.8	114.6	114.2	30.8	114.6	114.2	30.8	114.6	114.2	30.8
1992/93	140.3	144.2	30.3	140.3	144.2	30.3	140.3	144.2	30.3	140.3	144.2	30.3
1993/94	108.0	73.3	32.1	108.0	73.3	32.1	108.0	73.3	32.1	108.0	73.3	32.1
1994/95	130.6	148.5	36.4	130.6	148.5	36.4	130.6	148.5	36.4	130.6	148.5	36.4
1995/96	113.6	119.9	24.4	113.6	119.9	24.4	113.6	119.9	24.4	113.6	119.9	24.4
1996/97	142.9	134.7	21.6	142.9	134.7	21.6	142.9	134.7	21.6	142.9	134.7	21.6
1997/98	135.2	134.6	44.0	135.2	134.6	44.0	135.2	134.6	44.0	135.2	134.6	44.0
1998/99	139.7	141.5	46.3	139.7	141.5	46.3	139.7	141.5	46.3	139.7	141.5	46.3
1999/00	133.4	145.3	43.2	133.4	145.3	43.2	133.4	145.3	43.2	133.4	145.3	43.2
2000/01	119.4	140.5	35.5	119.4	140.5	35.5	119.4	140.5	35.5	119.4	140.5	35.5
2001/02	112.3	142.3	33.5	112.3	142.3	33.5	112.3	142.3	33.5	112.3	142.3	33.5
2002/03	92.8	158.3	27.9	92.8	158.3	27.9	92.8	158.3	27.9	92.8	158.3	27.9
2003/04	103.4	151.9	45.7	103.4	151.9	45.7	103.4	151.9	45.7	103.4	151.9	45.7
2004/05	139.4	176.7	31.5	139.4	176.7	31.5	139.4	176.7	31.5	139.4	176.7	31.5
2005/06	127.6	168.9	38.0	127.6	168.9	38.0	127.6	168.9	38.0	127.6	168.9	38.0
2006/07	103.0	162.7	29.7	103.0	162.7	29.7	103.0	162.7	29.7	103.0	162.7	29.7
	27 years			26years			18 years			35 years		
	KS	IA	KS	KS	IA	KS	KS	IA	KS	KS	IA	KS
	Corn	Corn	Wheat	Corn	Corn	Wheat	Corn	Corn	Wheat	Corn	Corn	Wheat
Coverage	90%											
Slope	1.021	2.409	0.266	0.684	2.471	0.292	(0.380)	3.384	0.468	1.559	2.155	0.234
Intercept	-1919	-4672	-498	-1246	-4796	-550	881	-6622	-901	-2994	-4165	-433
Expected 2008/09	130.4	165.2	36.9	126.9	165.8	37.2	117.5	174.1	38.6	136.6	162.2	36.5
Olympic Average	115.9	129.4	33.0	117.6	130.4	33.1	122.0	140.3	33.9	107.3	121.1	32.1
Simple Average	115.1	129.1	32.9	117.0	130.0	33.0	121.5	138.6	33.7	107.0	121.3	32.1
DB Yield 2008/09	117.3	148.7	33.2	114.2	149.3	33.5	105.8	156.7	34.7	123.0	146.0	32.9
DB Yield 2009/10	118.3	150.9	33.5	114.8	151.5	33.7	105.4	159.7	35.2	124.4	148.0	33.1
DB Yield 2010/11	119.2	153.0	33.7	115.4	153.7	34.0	105.1	162.8	35.6	125.8	149.9	33.3
DB Yield 2011/12	120.1	155.2	34.0	116.0	155.9	34.3	104.7	165.8	36.0	127.2	151.8	33.5
DB Yield 2012/13	121.0	157.4	34.2	116.7	158.2	34.5	104.4	168.9	36.4	128.6	153.8	33.7
DB Yield 2013/14	121.9	159.5	34.4	117.3	160.4	34.8	104.0	171.9	36.8	130.0	155.7	33.9
% Yield Change 2008/09				-2.7%	0.4%	0.7%	-9.9%	5.4%	4.5%	4.8%	-1.8%	-1.1%
% Yield Change 2009/10				-2.9%	0.4%	0.8%	-10.9%	5.9%	5.0%	5.2%	-1.9%	-1.2%
% Yield Change 2010/11				-3.1%	0.5%	0.9%	-11.8%	6.4%	5.5%	5.5%	-2.0%	-1.3%
% Yield Change 2011/12				-3.4%	0.5%	0.9%	-12.8%	6.9%	6.0%	5.9%	-2.2%	-1.4%
% Yield Change 2012/13				-3.6%	0.5%	1.0%	-13.7%	7.3%	6.5%	6.3%	-2.3%	-1.5%
% Yield Change 2013/14				-3.8%	0.5%	1.0%	-14.7%	7.8%	7.0%	6.6%	-2.4%	-1.5%