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GRIP/GRP Analysis in Selected Counties in Other States¹

An analysis of GRIP/GRP for selected counties in selected states is presented below. An industry loss ratio greater than \$1.00 means growers collected the entire farmer paid premium plus premium subsidy and the industry suffered an underwriting loss. If the farmer paid loss ratio is greater than a dollar, then growers collected more in indemnity payments than they paid in premiums. Because of subsidies, growers should expect to collect \$2.22-\$2.34 per dollar of farmer paid premiums.

Growers will likely compare their historical indemnity payments with the historical county indemnity payments. One must remember that predicting the results for a single farmer based on 24 observations (24 years) is risky but is the only comparison one can easily make. Also one is betting that past historical losses will predict the next 24 years and that may not be true.

GRIP/GRP analysis for Kansas in selected counties is posted on AgManager.Info and maybe selected under a menu. The direct link to the menu is:

http://agmanager.info/crops/insurance/risk_mgt/default.asp

This analysis assumes the reader has already read the paper "Group Risk Income Protection Plan and Group Risk Plans added in New Kansas Counties for 2005" that is posted on AgManager.Info. The direct link is:

http://agmanager.info/crops/insurance/risk_mgt/rm_pdf05/ABgrip.pdf

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Clay County, IN. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 148.7
 KSU's 2005 Expected County Yield 148.2
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	3.60% GRP			90% Coverage GRIP		5.54% GRIP-HRO		8.04% GRIP-HRO ³	
	Yield	Planted Yield					GRP Prem	Plant ² Price	Harvest Price	GRIP Pymt Rate	GRIP Prem	GRIP ³ Rate	HRO Pymt	GRIP-HRO ³ Prem	
1980	101	98.7	101.3	0.0%	2.25	0.00	12.31	3.11	3.81	0.0%	0.00	26.18	0.0%	0.00	37.99
1981	101	95.5	103.2	0.0%	2.70	0.00	15.04	3.75	2.77	24.0%	138.99	32.11	24.0%	138.99	46.61
1982	115	112.9	105.0	0.0%	3.00	0.00	17.02	2.93	2.33	5.1%	23.50	25.59	5.1%	23.50	37.14
1983	64	61.0	106.9	36.7%	2.70	158.74	15.59	2.87	3.49	22.9%	105.39	25.49	36.7%	205.30	36.99
1984	111	109.8	108.8	0.0%	2.90	0.00	17.04	2.84	2.73	0.0%	0.00	25.64	0.0%	0.00	37.21
1985	135	133.5	110.7	0.0%	2.85	0.00	17.03	2.63	2.38	0.0%	0.00	24.23	0.0%	0.00	35.16
1986	136	129.8	112.5	0.0%	2.35	0.00	14.28	2.08	1.70	0.0%	0.00	19.50	0.0%	0.00	28.29
1987	142	139.3	114.4	0.0%	2.00	0.00	12.36	1.67	1.83	0.0%	0.00	15.91	0.0%	0.00	23.09
1988	92	89.5	116.3	14.5%	2.00	50.47	12.56	2.18	2.69	0.0%	0.00	21.03	14.5%	67.99	30.52
1989	140	138.3	118.2	0.0%	2.60	0.00	16.59	2.70	2.38	0.0%	0.00	26.54	0.0%	0.00	38.51
1990	130	127.9	120.1	0.0%	2.30	0.00	14.91	2.53	2.27	0.0%	0.00	25.25	0.0%	0.00	36.65
1991	108	106.5	121.9	2.9%	2.30	12.41	15.14	2.61	2.44	9.5%	45.51	26.47	9.5%	45.51	38.41
1992	148	145.7	123.8	0.0%	2.30	0.00	15.38	2.70	2.12	0.0%	0.00	27.73	0.0%	0.00	40.25
1993	134	133.0	125.7	0.0%	2.30	0.00	15.61	2.39	2.74	0.0%	0.00	24.91	0.0%	0.00	36.15
1994	145	143.8	127.6	0.0%	2.40	0.00	16.53	2.68	2.16	0.0%	0.00	28.41	0.0%	0.00	41.23
1995	123	121.7	129.4	0.0%	2.25	0.00	15.73	2.58	3.28	0.0%	0.00	27.78	0.0%	0.00	40.32
1996	108	105.8	131.3	10.4%	2.65	54.54	18.79	3.17	2.68	24.4%	152.38	34.64	24.4%	152.38	50.26
1997	112	109.2	133.2	8.9%	2.45	43.56	17.62	2.80	2.76	10.3%	57.48	31.02	10.3%	57.48	45.02
1998	106	103.1	135.1	15.2%	2.60	80.19	18.96	2.80	2.19	33.7%	190.79	31.40	33.7%	190.79	45.58
1999	149	146.7	136.9	0.0%	2.10	0.00	15.53	2.37	1.96	1.7%	8.48	26.96	1.7%	8.48	39.13
2000	157	152.9	138.8	0.0%	1.90	0.00	14.24	2.47	2.11	0.0%	0.00	28.50	0.0%	0.00	41.36
2001	159	156.3	140.7	0.0%	2.05	0.00	15.57	2.45	2.05	0.0%	0.00	28.70	0.0%	0.00	41.65
2002	136	132.8	142.6	0.0%	2.00	0.00	15.40	2.30	2.43	0.0%	0.00	27.23	0.0%	0.00	39.52
2003	154	150.5	144.4	0.0%	2.20	0.00	17.16	2.38	2.37	0.0%	0.00	28.58	0.0%	0.00	41.48
2004			146.3		2.45				2.93	1.99					
2005			148.2		2.35										
Total Farmer Paid Premium; Indemnity Payment							399.91	169.38			722.51	287.91	890.41	417.84	
Farmer Paid Loss Ratio								2.36				2.51		2.13	
Frequency of Claim								25%				33%		38%	
Total Premium Including Subsidizes								376.40				639.81		928.53	
Industry Loss Ratio								1.06				1.13		0.96	

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Clay County, IN. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 148.7
 KSU's 2005 Expected County Yield 148.2
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	85% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	2.57% GRP Prem	Plant ² Price	Harvest Price	85% Coverage GRIP		3.70% GRIP ³ Prem	85% GRIP-HRO Pymt Rate	GRIP-HRO Pymt	5.66% GRIP-HRO ³ Prem	
	Yield	Planted Yield								Pymt Rate	Pymt Rate					Pymt
1980	101	98.7	101.3	0.0%	2.25	0.00	8.79	3.11	3.81	0.0%	0.00	17.48	0.0%	0.00	26.74	
1981	101	95.5	103.2	0.0%	2.70	0.00	10.74	3.75	2.77	19.5%	113.06	21.45	19.5%	113.06	32.81	
1982	115	112.9	105.0	0.0%	3.00	0.00	12.15	2.93	2.33	0.0%	0.00	17.09	0.0%	0.00	26.15	
1983	64	61.0	106.9	32.9%	2.70	142.61	11.13	2.87	3.49	18.4%	84.52	17.02	32.9%	184.44	26.04	
1984	111	109.8	108.8	0.0%	2.90	0.00	12.16	2.84	2.73	0.0%	0.00	17.12	0.0%	0.00	26.20	
1985	135	133.5	110.7	0.0%	2.85	0.00	12.16	2.63	2.38	0.0%	0.00	16.18	0.0%	0.00	24.75	
1986	136	129.8	112.5	0.0%	2.35	0.00	10.20	2.08	1.70	0.0%	0.00	13.02	0.0%	0.00	19.92	
1987	142	139.3	114.4	0.0%	2.00	0.00	8.82	1.67	1.83	0.0%	0.00	10.63	0.0%	0.00	16.26	
1988	92	89.5	116.3	9.4%	2.00	32.92	8.97	2.18	2.69	0.0%	0.00	14.05	9.4%	44.34	21.49	
1989	140	138.3	118.2	0.0%	2.60	0.00	11.84	2.70	2.38	0.0%	0.00	17.72	0.0%	0.00	27.11	
1990	130	127.9	120.1	0.0%	2.30	0.00	10.64	2.53	2.27	0.0%	0.00	16.86	0.0%	0.00	25.80	
1991	108	106.5	121.9	0.0%	2.30	0.00	10.81	2.61	2.44	4.2%	20.08	17.68	4.2%	20.08	27.04	
1992	148	145.7	123.8	0.0%	2.30	0.00	10.98	2.70	2.12	0.0%	0.00	18.52	0.0%	0.00	28.33	
1993	134	133.0	125.7	0.0%	2.30	0.00	11.14	2.39	2.74	0.0%	0.00	16.64	0.0%	0.00	25.45	
1994	145	143.8	127.6	0.0%	2.40	0.00	11.80	2.68	2.16	0.0%	0.00	18.97	0.0%	0.00	29.02	
1995	123	121.7	129.4	0.0%	2.25	0.00	11.23	2.58	3.28	0.0%	0.00	18.56	0.0%	0.00	28.39	
1996	108	105.8	131.3	5.2%	2.65	27.05	13.41	3.17	2.68	19.9%	124.56	23.13	19.9%	124.56	35.39	
1997	112	109.2	133.2	3.5%	2.45	17.33	12.58	2.80	2.76	5.0%	27.92	20.72	5.0%	27.92	31.70	
1998	106	103.1	135.1	10.2%	2.60	53.92	13.54	2.80	2.19	29.8%	168.67	20.97	29.8%	168.67	32.08	
1999	149	146.7	136.9	0.0%	2.10	0.00	11.09	2.37	1.96	0.0%	0.00	18.01	0.0%	0.00	27.55	
2000	157	152.9	138.8	0.0%	1.90	0.00	10.17	2.47	2.11	0.0%	0.00	19.03	0.0%	0.00	29.12	
2001	159	156.3	140.7	0.0%	2.05	0.00	11.12	2.45	2.05	0.0%	0.00	19.17	0.0%	0.00	29.32	
2002	136	132.8	142.6	0.0%	2.00	0.00	10.99	2.30	2.43	0.0%	0.00	18.19	0.0%	0.00	27.82	
2003	154	150.5	144.4	0.0%	2.20	0.00	12.25	2.38	2.37	0.0%	0.00	19.09	0.0%	0.00	29.20	
2004			146.3		2.45			2.93	1.99							
2005			148.2		2.35											
Total Farmer Paid Premium; Indemnity Payment							273.82	120.92			538.82	192.29		683.07	294.15	
Farmer Paid Loss Ratio								2.26					2.80			2.32
Frequency of Claim								21%					25%			29%
Total Premium Including Subsidizes								268.71					427.31			653.67
Industry Loss Ratio								1.02					1.26			1.04

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Clay County, IN. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 148.7
 KSU's 2005 Expected County Yield 148.2
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	80% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	80% Coverage GRIP			GRIP Pymt	2.31% GRIP-HRO		GRIP-HRO Pymt	3.68% GRIP-HRO ³ Prem	
	Yield	Planted Yield					GRP Prem	Plant ² Price	Harvest Price		GRIP Rate	GRIP ³ Prem			GRIP- HRO Rate
1980	101	98.7	101.3	0.0%	2.25	0.00	5.57	3.11	3.81	0.0%	0.00	10.92	0.0%	0.00	17.39
1981	101	95.5	103.2	0.0%	2.70	0.00	6.81	3.75	2.77	14.5%	83.90	13.39	14.5%	83.90	21.33
1982	115	112.9	105.0	0.0%	3.00	0.00	7.70	2.93	2.33	0.0%	0.00	10.67	0.0%	0.00	17.00
1983	64	61.0	106.9	28.7%	2.70	124.45	7.06	2.87	3.49	13.3%	61.05	10.63	28.7%	160.96	16.93
1984	111	109.8	108.8	0.0%	2.90	0.00	7.71	2.84	2.73	0.0%	0.00	10.69	0.0%	0.00	17.03
1985	135	133.5	110.7	0.0%	2.85	0.00	7.71	2.63	2.38	0.0%	0.00	10.10	0.0%	0.00	16.09
1986	136	129.8	112.5	0.0%	2.35	0.00	6.47	2.08	1.70	0.0%	0.00	8.13	0.0%	0.00	12.95
1987	142	139.3	114.4	0.0%	2.00	0.00	5.60	1.67	1.83	0.0%	0.00	6.64	0.0%	0.00	10.57
1988	92	89.5	116.3	3.8%	2.00	13.17	5.69	2.18	2.69	0.0%	0.00	8.77	3.8%	17.74	13.97
1989	140	138.3	118.2	0.0%	2.60	0.00	7.51	2.70	2.38	0.0%	0.00	11.06	0.0%	0.00	17.63
1990	130	127.9	120.1	0.0%	2.30	0.00	6.75	2.53	2.27	0.0%	0.00	10.53	0.0%	0.00	16.77
1991	108	106.5	121.9	0.0%	2.30	0.00	6.86	2.61	2.44	0.0%	0.00	11.04	0.0%	0.00	17.58
1992	148	145.7	123.8	0.0%	2.30	0.00	6.96	2.70	2.12	0.0%	0.00	11.56	0.0%	0.00	18.42
1993	134	133.0	125.7	0.0%	2.30	0.00	7.07	2.39	2.74	0.0%	0.00	10.39	0.0%	0.00	16.55
1994	145	143.8	127.6	0.0%	2.40	0.00	7.49	2.68	2.16	0.0%	0.00	11.85	0.0%	0.00	18.87
1995	123	121.7	129.4	0.0%	2.25	0.00	7.12	2.58	3.28	0.0%	0.00	11.58	0.0%	0.00	18.46
1996	108	105.8	131.3	0.0%	2.65	0.00	8.51	3.17	2.68	14.9%	93.28	14.44	14.9%	93.28	23.01
1997	112	109.2	133.2	0.0%	2.45	0.00	7.98	2.80	2.76	0.0%	0.00	12.94	0.0%	0.00	20.61
1998	106	103.1	135.1	4.6%	2.60	24.37	8.59	2.80	2.19	25.4%	143.78	13.09	25.4%	143.78	20.86
1999	149	146.7	136.9	0.0%	2.10	0.00	7.03	2.37	1.96	0.0%	0.00	11.24	0.0%	0.00	17.91
2000	157	152.9	138.8	0.0%	1.90	0.00	6.45	2.47	2.11	0.0%	0.00	11.88	0.0%	0.00	18.93
2001	159	156.3	140.7	0.0%	2.05	0.00	7.05	2.45	2.05	0.0%	0.00	11.97	0.0%	0.00	19.06
2002	136	132.8	142.6	0.0%	2.00	0.00	6.97	2.30	2.43	0.0%	0.00	11.35	0.0%	0.00	18.09
2003	154	150.5	144.4	0.0%	2.20	0.00	7.77	2.38	2.37	0.0%	0.00	11.92	0.0%	0.00	18.99
2004			146.3		2.45			2.93	1.99						
2005			148.2		2.35										
Total Farmer Paid Premium; Indemnity Payment							161.99	76.69			382.00	120.05		499.65	191.25
Farmer Paid Loss Ratio								2.11				3.18			2.61
Frequency of Claim								13%				17%			21%
Total Premium Including Subsidizes							170.42					266.78			425.00
Industry Loss Ratio								0.95				1.43			1.18

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Clay County, IN. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 44.2
 KSU's 2005 Expected County Yield 43.8
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov		2.50% GRP	90% Coverage			5.68% GRIP ³	90% GRIP-HRO		7.59% GRIP-HRO ³		
	Planted Yield	Yield		GRP Pymt	APH ¹ Price		GRP Prem	Plant ² Price	Harvest Price		GRIP Pymt	GRIP Rate		HRO Pymt	HRO Rate
1980	35	34.4	33.2	0.0%	6.00	0.00	7.46	7.15	8.57	0.0%	0.00	20.19	0.0%	0.00	26.98
1981	33	33.0	33.6	0.0%	7.00	0.00	8.82	8.26	6.56	13.4%	55.80	23.63	13.4%	55.80	31.58
1982	35	34.7	34.0	0.0%	7.00	0.00	8.93	6.60	5.32	8.7%	29.39	19.12	8.7%	29.39	25.55
1983	25	24.7	34.4	20.2%	6.00	62.76	7.75	6.23	8.43	0.0%	0.00	18.29	20.2%	88.18	24.44
1984	34	33.8	34.9	0.0%	6.50	0.00	8.50	7.13	6.14	7.2%	26.84	21.18	7.2%	26.84	28.30
1985	42	41.7	35.3	0.0%	6.50	0.00	8.60	5.93	5.05	0.0%	0.00	17.84	0.0%	0.00	23.84
1986	39	38.4	35.7	0.0%	5.25	0.00	7.03	5.09	4.82	0.0%	0.00	15.50	0.0%	0.00	20.72
1987	37	37.0	36.1	0.0%	5.00	0.00	6.78	4.65	5.38	0.0%	0.00	14.32	0.0%	0.00	19.13
1988	28	27.2	36.6	17.5%	5.00	47.94	6.86	6.52	7.93	0.0%	0.00	20.30	17.5%	76.03	27.13
1989	36	35.5	37.0	0.0%	6.17	0.00	8.56	7.30	5.62	17.9%	72.42	23.02	17.9%	72.42	30.76
1990	38	37.4	37.4	0.0%	5.55	0.00	7.79	5.96	6.12	0.0%	0.00	19.02	0.0%	0.00	25.41
1991	41	40.1	37.9	0.0%	5.50	0.00	7.81	6.17	5.60	0.0%	0.00	19.89	0.0%	0.00	26.58
1992	41	41.2	38.3	0.0%	5.50	0.00	7.90	6.10	5.37	0.0%	0.00	19.91	0.0%	0.00	26.61
1993	42	40.9	38.7	0.0%	5.70	0.00	8.28	5.87	6.15	0.0%	0.00	19.35	0.0%	0.00	25.85
1994	45	44.6	39.1	0.0%	5.90	0.00	8.66	6.54	5.41	0.0%	0.00	21.81	0.0%	0.00	29.15
1995	40	39.4	39.6	0.0%	5.50	0.00	8.16	5.90	6.56	0.0%	0.00	19.90	0.0%	0.00	26.59
1996	35	35.3	40.0	2.0%	6.75	8.17	10.12	7.39	7.07	6.3%	27.82	25.19	6.3%	27.82	33.66
1997	40	39.3	40.4	0.0%	5.80	0.00	8.79	7.04	6.82	0.0%	0.00	24.23	0.0%	0.00	32.38
1998	35	34.8	40.9	5.3%	5.80	18.75	8.89	6.48	5.46	20.1%	79.94	22.54	20.1%	79.94	30.12
1999	45	44.2	41.3	0.0%	4.76	0.00	7.37	4.88	4.85	0.0%	0.00	17.17	0.0%	0.00	22.95
2000	49	48.5	41.7	0.0%	5.15	0.00	8.05	5.24	4.72	0.0%	0.00	18.63	0.0%	0.00	24.89
2001	47	46.6	42.1	0.0%	4.92	0.00	7.77	4.59	4.37	0.0%	0.00	16.48	0.0%	0.00	22.03
2002	43	42.6	42.6	0.0%	4.90	0.00	7.82	4.53	5.45	0.0%	0.00	16.44	0.0%	0.00	21.97
2003	36	35.1	43.0	9.3%	5.25	31.54	8.46	5.23	7.32	0.0%	0.00	19.17	9.3%	43.98	25.61
2004			43.4		5.00				7.27	5.26					
2005			43.8		5.45										
Total Farmer Paid Premium; Indemnity Payment						169.16	87.82				292.21	212.91		500.40	284.50
Farmer Paid Loss Ratio							1.93					1.37			1.76
Frequency of Claim							21%					25%			38%
Total Premium Including Subsidizes							195.16					473.13			632.23
Industry Loss Ratio							0.87					0.62			0.79

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for November Chicago Board of Trade (CBOT) soybean futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Clay County, IN. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 44.2
 KSU's 2005 Expected County Yield 43.8
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	85% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	1.50%			85% Coverage GRIP		85% GRIP-HRO		5.08% GRIP-HRO ³	
	Yield	Planted Yield					GRP Prem	Plant ² Price	Harvest Price	GRIP Pymt Rate	GRIP ³ Prem	Pymt Rate	HRO Pymt	GRIP-HRO ³ Prem	
1980	35	34.4	33.2	0.0%	6.00	0.00	4.48	7.29	8.57	0.0%	0.00	13.71	0.0%	0.00	18.42
1981	33	33.0	33.6	0.0%	7.00	0.00	5.29	8.26	6.56	8.3%	34.61	15.73	8.3%	34.61	21.14
1982	35	34.7	34.0	0.0%	7.00	0.00	5.36	6.76	5.32	5.7%	19.50	13.04	5.7%	19.50	17.52
1983	25	24.7	34.4	15.6%	6.00	48.22	4.65	6.33	8.43	0.0%	0.00	12.36	15.6%	67.75	16.61
1984	34	33.8	34.9	0.0%	6.50	0.00	5.10	7.11	6.14	1.5%	5.49	14.06	1.5%	5.49	18.89
1985	42	41.7	35.3	0.0%	6.50	0.00	5.16	6.06	5.05	0.0%	0.00	12.13	0.0%	0.00	16.30
1986	39	38.4	35.7	0.0%	5.25	0.00	4.22	5.15	4.82	0.0%	0.00	10.43	0.0%	0.00	14.02
1987	37	37.0	36.1	0.0%	5.00	0.00	4.07	4.71	5.38	0.0%	0.00	9.65	0.0%	0.00	12.97
1988	28	27.2	36.6	12.6%	5.00	34.62	4.11	6.43	7.93	0.0%	0.00	13.34	12.6%	54.91	17.92
1989	36	35.5	37.0	0.0%	6.17	0.00	5.14	7.24	5.62	12.3%	49.40	15.19	12.3%	49.40	20.41
1990	38	37.4	37.4	0.0%	5.55	0.00	4.67	5.95	6.12	0.0%	0.00	12.63	0.0%	0.00	16.97
1991	41	40.1	37.9	0.0%	5.50	0.00	4.69	6.15	5.60	0.0%	0.00	13.20	0.0%	0.00	17.74
1992	41	41.2	38.3	0.0%	5.50	0.00	4.74	6.06	5.37	0.0%	0.00	13.16	0.0%	0.00	17.68
1993	42	40.9	38.7	0.0%	5.70	0.00	4.97	5.86	6.15	0.0%	0.00	12.86	0.0%	0.00	17.29
1994	45	44.6	39.1	0.0%	5.90	0.00	5.20	6.48	5.41	0.0%	0.00	14.38	0.0%	0.00	19.33
1995	40	39.4	39.6	0.0%	5.50	0.00	4.90	5.85	6.56	0.0%	0.00	13.12	0.0%	0.00	17.64
1996	35	35.3	40.0	0.0%	6.75	0.00	6.07	7.23	7.07	0.0%	0.00	16.40	0.0%	0.00	22.03
1997	40	39.3	40.4	0.0%	5.80	0.00	5.28	6.97	6.82	0.0%	0.00	15.98	0.0%	0.00	21.47
1998	35	34.8	40.9	0.0%	5.80	0.00	5.33	6.64	5.46	17.5%	71.32	15.38	17.5%	71.32	20.67
1999	45	44.2	41.3	0.0%	4.76	0.00	4.42	5.11	4.85	0.0%	0.00	11.96	0.0%	0.00	16.07
2000	49	48.5	41.7	0.0%	5.15	0.00	4.83	5.32	4.72	0.0%	0.00	12.58	0.0%	0.00	16.91
2001	47	46.6	42.1	0.0%	4.92	0.00	4.66	4.67	4.37	0.0%	0.00	11.16	0.0%	0.00	14.99
2002	43	42.6	42.6	0.0%	4.90	0.00	4.69	4.50	5.45	0.0%	0.00	10.86	0.0%	0.00	14.59
2003	36	35.1	43.0	4.0%	5.25	13.49	5.08	5.26	7.32	0.0%	0.00	12.82	4.0%	18.80	17.23
2004			43.4		5.00				6.72	5.26					
2005			43.8		5.45										
Total Farmer Paid Premium; Indemnity Payment						96.33	52.69				180.32	142.25		321.78	191.17
Farmer Paid Loss Ratio							1.83					1.27			1.68
Frequency of Claim							13%					21%			33%
Total Premium Including Subsidizes							117.10					316.11			424.82
Industry Loss Ratio							0.82					0.57			0.76

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for November Chicago Board of Trade (CBOT) soybean futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Daviness County, MO. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 98.6
 KSU's 2005 Expected County Yield 104.4
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	9.10%			90% Coverage GRIP		8.83% GRIP ³		90% GRIP-HRO		13.61% GRIP-HRO ³	
	Yield	Planted Yield					GRP Prem	Plant ² Price	Harvest Price	GRIP Pymt Rate	GRIP Pymt	GRIP ³ Prem	GRIP ³ Rate	GRIP-HRO Pymt	GRIP-HRO Pymt	GRIP-HRO ³ Prem	
1980	40	38.2	72.1	41.2%	2.25	100.23	22.14	3.11	3.81	27.9%	93.83	29.70	41.2%	169.85	45.77		
1981	119	115.0	73.4	0.0%	2.70	0.00	27.05	3.75	2.77	0.0%	0.00	36.41	0.0%	0.00	56.12		
1982	98	92.5	74.7	0.0%	3.00	0.00	30.58	2.93	2.33	0.0%	0.00	29.00	0.0%	0.00	44.70		
1983	48	43.4	76.0	36.5%	2.70	112.18	28.00	2.87	3.49	22.7%	74.09	28.87	36.5%	145.08	44.49		
1984	52	48.2	77.3	30.6%	2.90	102.99	30.58	2.84	2.73	33.2%	109.15	29.02	33.2%	109.15	44.73		
1985	95	92.4	78.5	0.0%	2.85	0.00	30.56	2.63	2.38	0.0%	0.00	27.41	0.0%	0.00	42.25		
1986	117	114.1	79.8	0.0%	2.35	0.00	25.61	2.08	1.70	0.0%	0.00	22.04	0.0%	0.00	33.98		
1987	104	101.5	81.1	0.0%	2.00	0.00	22.15	1.67	1.83	0.0%	0.00	17.98	0.0%	0.00	27.72		
1988	55	50.2	82.4	32.3%	2.00	79.97	22.50	2.18	2.69	16.2%	43.68	23.76	32.3%	107.72	36.61		
1989	86	82.8	83.7	0.0%	2.60	0.00	29.71	2.70	2.38	3.2%	10.86	29.96	3.2%	10.86	46.18		
1990	98	92.7	85.0	0.0%	2.30	0.00	26.69	2.53	2.27	0.0%	0.00	28.50	0.0%	0.00	43.92		
1991	86	83.4	86.3	0.0%	2.30	0.00	27.09	2.61	2.44	0.0%	0.00	29.85	0.0%	0.00	46.02		
1992	124	121.1	87.6	0.0%	2.30	0.00	27.50	2.70	2.12	0.0%	0.00	31.27	0.0%	0.00	48.20		
1993	70	53.1	88.9	33.7%	2.30	103.22	27.90	2.39	2.74	23.8%	75.82	28.08	33.7%	122.88	43.27		
1994	112	109.0	90.2	0.0%	2.40	0.00	29.54	2.68	2.16	0.0%	0.00	32.01	0.0%	0.00	49.33		
1995	85	79.5	91.5	3.4%	2.25	10.63	28.09	2.58	3.28	0.0%	0.00	31.29	3.4%	15.50	48.23		
1996	139	137.5	92.8	0.0%	2.65	0.00	33.55	3.17	2.68	0.0%	0.00	38.99	0.0%	0.00	60.10		
1997	107	105.3	94.0	0.0%	2.45	0.00	31.45	2.80	2.76	0.0%	0.00	34.91	0.0%	0.00	53.81		
1998	110	106.9	95.3	0.0%	2.60	0.00	33.83	2.80	2.19	2.5%	9.91	35.33	2.5%	9.91	54.46		
1999	75	73.1	96.6	15.9%	2.10	48.52	27.70	2.37	1.96	30.6%	105.11	30.32	30.6%	105.11	46.74		
2000	127	125.3	97.9	0.0%	1.90	0.00	25.39	2.47	2.11	0.0%	0.00	32.04	0.0%	0.00	49.38		
2001	109	106.0	99.2	0.0%	2.05	0.00	27.76	2.45	2.05	0.9%	3.28	32.25	0.9%	3.28	49.71		
2002	84	82.9	100.5	8.4%	2.00	25.25	27.44	2.30	2.43	3.1%	10.85	30.60	8.4%	30.67	47.16		
2003	47	45.3	101.8	50.6%	2.20	169.88	30.57	2.38	2.37	50.8%	184.69	32.10	50.8%	184.69	49.48		
2004			103.1		2.45			2.93	1.99								
2005			104.4		2.35												
Total Farmer Paid Premium; Indemnity																	
							Payment	752.87	303.02		721.27	324.76		1,014.71	500.57		
							Farmer Paid Loss Ratio		2.48			2.22			2.03		
							Frequency of Claim		38%			46%			50%		
							Total Premium Including Subsidizes		673.38			721.69			1,112.37		
							Industry Loss Ratio		1.12			1.00			0.91		

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Daviness County, MO. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 30.5
 KSU's 2005 Expected County Yield 30.6
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	6.10%			90% Coverage GRIP		90% GRIP-HRO		10.36% GRIP-HRO ³		
	Planted Yield	Yield					GRP Prem	Plant ² Price	Harvest Price	GRIP Pymt Rate	GRIP ³ Prem	Pymt Rate	HRO Pymt	GRIP-HRO ³ Prem		
1980	28	27.4	27.2	0.0%	6.00	0.00	14.96	7.15	8.57	0.0%	0.00	19.36	0.0%	0.00	30.26	
1981	36	36.0	27.4	0.0%	7.00	0.00	17.54	8.26	6.56	0.0%	0.00	22.49	0.0%	0.00	35.14	
1982	28	28.0	27.5	0.0%	7.00	0.00	17.62	6.60	5.32	8.8%	23.92	18.06	8.8%	23.92	28.22	
1983	20	19.2	27.6	22.9%	6.00	56.92	15.18	6.23	8.43	0.0%	0.00	17.14	22.9%	79.98	26.78	
1984	13	12.0	27.8	52.2%	6.50	141.26	16.52	7.13	6.14	58.8%	174.65	19.70	58.8%	174.65	30.78	
1985	34	33.6	27.9	0.0%	6.50	0.00	16.60	5.93	5.05	0.0%	0.00	16.47	0.0%	0.00	25.73	
1986	36	35.6	28.0	0.0%	5.25	0.00	13.47	5.09	4.82	0.0%	0.00	14.21	0.0%	0.00	22.20	
1987	34	33.4	28.2	0.0%	5.00	0.00	12.89	4.65	5.38	0.0%	0.00	13.03	0.0%	0.00	20.36	
1988	22	21.9	28.3	14.0%	5.00	29.67	12.95	6.52	7.93	0.0%	0.00	18.35	14.0%	47.05	28.67	
1989	26	26.2	28.4	0.0%	6.17	0.00	16.06	7.30	5.62	21.2%	66.15	20.66	21.2%	66.15	32.28	
1990	30	29.2	28.6	0.0%	5.55	0.00	14.52	5.96	6.12	0.0%	0.00	16.95	0.0%	0.00	26.48	
1991	27	27.2	28.7	0.0%	5.50	0.00	14.45	6.17	5.60	4.3%	11.38	17.61	4.3%	11.38	27.52	
1992	37	36.2	28.9	0.0%	5.50	0.00	14.52	6.10	5.37	0.0%	0.00	17.52	0.0%	0.00	27.37	
1993	24	16.1	29.0	38.4%	5.70	95.27	15.12	5.87	6.15	35.5%	90.45	16.91	38.4%	102.80	26.42	
1994	37	36.6	29.1	0.0%	5.90	0.00	15.72	6.54	5.41	0.0%	0.00	18.94	0.0%	0.00	29.60	
1995	28	26.0	29.3	1.3%	5.50	3.26	14.72	5.90	6.56	0.0%	0.00	17.17	1.3%	3.89	26.83	
1996	36	35.9	29.4	0.0%	6.75	0.00	18.15	7.39	7.07	0.0%	0.00	21.60	0.0%	0.00	33.75	
1997	37	36.9	29.5	0.0%	5.80	0.00	15.67	7.04	6.82	0.0%	0.00	20.66	0.0%	0.00	32.28	
1998	35	34.3	29.7	0.0%	5.80	0.00	15.74	6.48	5.46	0.0%	0.00	19.10	0.0%	0.00	29.85	
1999	26	25.8	29.8	3.8%	4.76	8.12	12.97	4.88	4.85	4.5%	9.72	14.46	4.5%	9.72	22.60	
2000	37	36.2	29.9	0.0%	5.15	0.00	14.10	5.24	4.72	0.0%	0.00	15.60	0.0%	0.00	24.38	
2001	31	30.2	30.1	0.0%	4.92	0.00	13.53	4.59	4.37	0.0%	0.00	13.73	0.0%	0.00	21.45	
2002	29	28.4	30.2	0.0%	4.90	0.00	13.54	4.53	5.45	0.0%	0.00	13.61	0.0%	0.00	21.27	
2003	17	17.2	30.3	36.9%	5.25	88.07	14.57	5.23	7.32	11.7%	27.86	15.78	36.9%	122.79	24.66	
2004			30.5		5.00				7.27	5.26						
2005			30.6		5.45											
Total Farmer Paid Premium; Indemnity																
						Payment	422.57	162.50			404.13	188.59		642.32	294.69	
						Farmer Paid Loss Ratio		2.60				2.14			2.18	
						Frequency of Claim		29%				29%			42%	
Total Premium Including Subsidizes								361.10				419.09		654.87		
						Industry Loss Ratio		1.17				0.96			0.98	

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for November Chicago Board of Trade (CBOT) soybean futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Grundy County, MO. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 32.4
 KSU's 2005 Expected County Yield 33.1
 150% Maximum Liability

Year	County		Trend Adj. Yield	90% Cov GRP	APH ¹ Price	GRP Pymt	8.93%		90% Coverage GRIP			90% GRIP-HRO		13.50% GRIP-HRO ³	
	Planted Yield	Expect Yield					GRP Prem	Plant ² Price	Harvest Price	Pymt Rate	GRIP Pymt	GRIP ³ Prem	Pymt Rate	HRO Pymt	GRIP-HRO ³ Prem
1980	30	29.8	27.3	0.0%	6.00	0.00	21.90	7.15	8.57	0.0%	0.00	27.17	0.0%	0.00	39.44
1981	33	32.3	27.5	0.0%	7.00	0.00	25.77	8.26	6.56	0.0%	0.00	31.67	0.0%	0.00	45.97
1982	29	29.2	27.7	0.0%	7.00	0.00	25.99	6.60	5.32	5.5%	15.13	25.52	5.5%	15.13	37.04
1983	19	18.3	28.0	27.1%	6.00	68.29	22.46	6.23	8.43	1.5%	3.81	24.30	27.1%	95.94	35.28
1984	14	13.3	28.2	47.6%	6.50	130.67	24.54	7.13	6.14	54.8%	165.24	28.03	54.8%	165.24	40.69
1985	31	30.8	28.4	0.0%	6.50	0.00	24.74	5.93	5.05	0.0%	0.00	23.52	0.0%	0.00	34.14
1986	31	30.7	28.7	0.0%	5.25	0.00	20.15	5.09	4.82	0.0%	0.00	20.36	0.0%	0.00	29.55
1987	37	36.1	28.9	0.0%	5.00	0.00	19.34	4.65	5.38	0.0%	0.00	18.73	0.0%	0.00	27.19
1988	22	22.0	29.1	16.2%	5.00	35.30	19.50	6.52	7.93	0.0%	0.00	26.46	16.2%	55.98	38.41
1989	29	28.4	29.3	0.0%	6.17	0.00	24.26	7.30	5.62	17.2%	55.40	29.90	17.2%	55.40	43.40
1990	31	30.2	29.6	0.0%	5.55	0.00	21.99	5.96	6.12	0.0%	0.00	24.61	0.0%	0.00	35.72
1991	32	31.7	29.8	0.0%	5.50	0.00	21.97	6.17	5.60	0.0%	0.00	25.65	0.0%	0.00	37.23
1992	36	35.9	30.0	0.0%	5.50	0.00	22.14	6.10	5.37	0.0%	0.00	25.59	0.0%	0.00	37.14
1993	25	21.2	30.3	22.1%	5.70	57.15	23.12	5.87	6.15	18.3%	48.77	24.78	22.1%	61.66	35.97
1994	40	39.6	30.5	0.0%	5.90	0.00	24.11	6.54	5.41	0.0%	0.00	27.84	0.0%	0.00	40.42
1995	23	22.2	30.7	19.8%	5.50	50.32	22.65	5.90	6.56	10.9%	29.72	25.32	19.8%	60.02	36.75
1996	35	34.7	31.0	0.0%	6.75	0.00	28.01	7.39	7.07	0.0%	0.00	31.94	0.0%	0.00	46.37
1997	40	39.3	31.2	0.0%	5.80	0.00	24.25	7.04	6.82	0.0%	0.00	30.64	0.0%	0.00	44.47
1998	36	35.6	31.4	0.0%	5.80	0.00	24.43	6.48	5.46	0.0%	0.00	28.41	0.0%	0.00	41.24
1999	25	24.4	31.7	14.4%	4.76	32.65	20.20	4.88	4.85	15.0%	34.81	21.58	15.0%	34.81	31.32
2000	36	35.5	31.9	0.0%	5.15	0.00	22.01	5.24	4.72	0.0%	0.00	23.34	0.0%	0.00	33.88
2001	36	34.5	32.1	0.0%	4.92	0.00	21.18	4.59	4.37	0.0%	0.00	20.59	0.0%	0.00	29.89
2002	37	36.5	32.4	0.0%	4.90	0.00	21.25	4.53	5.45	0.0%	0.00	20.48	0.0%	0.00	29.72
2003	21	20.6	32.6	30.0%	5.25	76.93	22.93	5.23	7.32	2.0%	5.18	23.80	30.0%	107.26	34.56
2004			32.8		5.00			7.27	5.26						
2005			33.1		5.45										
Total Farmer Paid Premium; Indemnity Payment							451.30	247.01			358.06	274.59		651.45	398.60
Farmer Paid Loss Ratio								1.83				1.30			1.63
Frequency of Claim								29%				33%			38%
Total Premium Including Subsidizes								548.91				610.21			885.79
Industry Loss Ratio								0.82				0.59			0.74

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for November Chicago Board of Trade (CBOT) soybean futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Mississippi County, MO. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 159.2
 KSU's 2005 Expected County Yield 158.3
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	3.51% GRP			90% Coverage GRIP		6.37% GRIP ³		90% GRIP-HRO		8.09% GRIP-HRO ³
	Yield	Planted Yield					GRP Prem	Plant ² Price	Harvest Price	Pymt Rate	GRIP Pymt	GRIP ³ Prem	Pymt Rate	HRO Pymt	HRO ³ Prem	
1980	57	56.0	102.5	39.3%	2.25	136.13	12.15	3.11	3.81	25.6%	122.57	30.47	39.3%	230.70	38.70	
1981	116	112.6	104.8	0.0%	2.70	0.00	14.89	3.75	2.77	11.7%	68.88	37.50	11.7%	68.88	47.62	
1982	133	130.2	107.0	0.0%	3.00	0.00	16.90	2.93	2.33	0.0%	0.00	29.97	0.0%	0.00	38.07	
1983	86	83.5	109.2	15.1%	2.70	66.65	15.53	2.87	3.49	0.0%	0.00	29.94	15.1%	86.20	38.03	
1984	145	143.9	111.5	0.0%	2.90	0.00	17.02	2.84	2.73	0.0%	0.00	30.20	0.0%	0.00	38.36	
1985	135	133.2	113.7	0.0%	2.85	0.00	17.06	2.63	2.38	0.0%	0.00	28.62	0.0%	0.00	36.34	
1986	133	130.0	115.9	0.0%	2.35	0.00	14.34	2.08	1.70	0.0%	0.00	23.09	0.0%	0.00	29.32	
1987	129	125.5	118.1	0.0%	2.00	0.00	12.44	1.67	1.83	0.0%	0.00	18.89	0.0%	0.00	23.99	
1988	110	107.5	120.4	0.8%	2.00	2.90	12.67	2.18	2.69	0.0%	0.00	25.03	0.8%	3.90	31.78	
1989	141	139.9	122.6	0.0%	2.60	0.00	16.78	2.70	2.38	0.0%	0.00	31.65	0.0%	0.00	40.20	
1990	134	128.1	124.8	0.0%	2.30	0.00	15.12	2.53	2.27	0.0%	0.00	30.19	0.0%	0.00	38.34	
1991	119	118.1	127.1	0.0%	2.30	0.00	15.39	2.61	2.44	3.7%	18.45	31.71	3.7%	18.45	40.27	
1992	161	160.7	129.3	0.0%	2.30	0.00	15.66	2.70	2.12	0.0%	0.00	33.30	0.0%	0.00	42.29	
1993	127	123.8	131.5	0.0%	2.30	0.00	15.93	2.39	2.74	0.0%	0.00	29.97	0.0%	0.00	38.06	
1994	148	146.7	133.7	0.0%	2.40	0.00	16.90	2.68	2.16	1.9%	10.43	34.25	1.9%	10.43	43.50	
1995	141	121.3	136.0	0.9%	2.25	3.92	16.11	2.58	3.28	0.0%	0.00	33.56	0.9%	5.72	42.62	
1996	145	139.5	138.2	0.0%	2.65	0.00	19.28	3.17	2.68	5.3%	34.91	41.91	5.3%	34.91	53.23	
1997	135	134.1	140.4	0.0%	2.45	0.00	18.11	2.80	2.76	0.0%	0.00	37.61	0.0%	0.00	47.77	
1998	119	116.7	142.7	9.1%	2.60	50.78	19.53	2.80	2.19	28.9%	172.95	38.14	28.9%	172.95	48.44	
1999	150	148.1	144.9	0.0%	2.10	0.00	16.02	2.37	1.96	6.3%	32.27	32.80	6.3%	32.27	41.66	
2000	158	157.3	147.1	0.0%	1.90	0.00	14.72	2.47	2.11	0.0%	0.00	34.73	0.0%	0.00	44.11	
2001	171	169.1	149.3	0.0%	2.05	0.00	16.12	2.45	2.05	0.0%	0.00	35.03	0.0%	0.00	44.48	
2002	139	124.3	151.6	8.9%	2.00	40.25	15.96	2.30	2.43	3.6%	19.01	33.29	8.9%	48.91	42.28	
2003	157	147.3	153.8	0.0%	2.20	0.00	17.82	2.38	2.37	0.0%	0.00	34.99	0.0%	0.00	44.44	
2004			156.0		2.45				2.93	1.99						
2005			158.3		2.35											
Total Farmer Paid Premium; Indemnity																
						Payment	300.63	172.09			479.47	345.08		713.32	438.25	
						Farmer Paid Loss Ratio		1.75				1.39			1.63	
						Frequency of Claim		25%				33%			46%	
						Total Premium Including Subsidizes		382.43				766.84			973.90	
						Industry Loss Ratio		0.79				0.63			0.73	

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Mississippi County, MO. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 38.3
 KSU's 2005 Expected County Yield 38.2
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	2.50%			90% Coverage GRIP		6.00%		90% GRIP-HRO		7.31% GRIP-HRO ³ Prem
	Planted Yield	Yield					GRP Prem	Plant ² Harvest Price	Price	Pymt Rate	GRIP Pymt	GRIP ³ Prem	Pymt Rate	HRO Pymt		
1980	24	24.1	29.0	7.7%	6.00	20.20	6.53	7.15	8.57	0.0%	0.00	18.66	7.7%	28.85	22.73	
1981	29	28.3	29.4	0.0%	7.00	0.00	7.71	8.26	6.56	14.9%	54.33	21.83	14.9%	54.33	26.60	
1982	33	32.8	29.7	0.0%	7.00	0.00	7.81	6.60	5.32	1.3%	3.74	17.66	1.3%	3.74	21.52	
1983	24	23.5	30.1	13.4%	6.00	36.28	6.77	6.23	8.43	0.0%	0.00	16.89	13.4%	50.97	20.57	
1984	34	33.0	30.5	0.0%	6.50	0.00	7.43	7.13	6.14	0.0%	0.00	19.55	0.0%	0.00	23.82	
1985	34	33.8	30.8	0.0%	6.50	0.00	7.52	5.93	5.05	0.0%	0.00	16.47	0.0%	0.00	20.06	
1986	34	33.9	31.2	0.0%	5.25	0.00	6.14	5.09	4.82	0.0%	0.00	14.31	0.0%	0.00	17.43	
1987	29	28.7	31.6	0.0%	5.00	0.00	5.92	4.65	5.38	0.0%	0.00	13.21	0.0%	0.00	16.09	
1988	33	32.7	31.9	0.0%	5.00	0.00	5.99	6.52	7.93	0.0%	0.00	18.73	0.0%	0.00	22.82	
1989	29	29.2	32.3	0.0%	6.17	0.00	7.47	7.30	5.62	22.7%	80.22	21.23	22.7%	80.22	25.86	
1990	37	36.2	32.7	0.0%	5.55	0.00	6.80	5.96	6.12	0.0%	0.00	17.53	0.0%	0.00	21.36	
1991	35	34.6	33.0	0.0%	5.50	0.00	6.81	6.17	5.60	0.0%	0.00	18.33	0.0%	0.00	22.34	
1992	41	41.1	33.4	0.0%	5.50	0.00	6.89	6.10	5.37	0.0%	0.00	18.35	0.0%	0.00	22.36	
1993	36	33.3	33.8	0.0%	5.70	0.00	7.22	5.87	6.15	0.0%	0.00	17.83	0.0%	0.00	21.72	
1994	43	42.6	34.1	0.0%	5.90	0.00	7.55	6.54	5.41	0.0%	0.00	20.10	0.0%	0.00	24.48	
1995	33	33.2	34.5	0.0%	5.50	0.00	7.12	5.90	6.56	0.0%	0.00	18.33	0.0%	0.00	22.33	
1996	38	37.6	34.9	0.0%	6.75	0.00	8.83	7.39	7.07	0.0%	0.00	23.20	0.0%	0.00	28.26	
1997	39	38.9	35.2	0.0%	5.80	0.00	7.66	7.04	6.82	0.0%	0.00	22.31	0.0%	0.00	27.19	
1998	34	33.6	35.6	0.0%	5.80	0.00	7.74	6.48	5.46	11.5%	39.89	20.75	11.5%	39.89	25.28	
1999	28	27.6	36.0	14.7%	4.76	37.80	6.42	4.88	4.85	15.3%	40.27	15.81	15.3%	40.27	19.26	
2000	35	34.3	36.3	0.0%	5.15	0.00	7.02	5.24	4.72	5.7%	16.24	17.14	5.7%	16.24	20.89	
2001	34	33.6	36.7	0.0%	4.92	0.00	6.77	4.59	4.37	3.3%	8.37	15.17	3.3%	8.37	18.48	
2002	36	33.9	37.1	0.0%	4.90	0.00	6.81	4.53	5.45	0.0%	0.00	15.12	0.0%	0.00	18.43	
2003	41	37.9	37.4	0.0%	5.25	0.00	7.37	5.23	7.32	0.0%	0.00	17.63	0.0%	0.00	21.48	
2004			37.8		5.00			7.27	5.26							
2005			38.2		5.45											
Total Farmer Paid Premium; Indemnity Payment							94.27	76.64			243.07	196.26	322.88	239.11		
Farmer Paid Loss Ratio								1.23				1.24		1.35		
Frequency of Claim								13%				29%		38%		
Total Premium Including Subsidizes								170.30				436.14		531.36		
Industry Loss Ratio								0.55				0.56		0.61		

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for November Chicago Board of Trade (CBOT) soybean futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Harrison County, IA. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 150.6
 KSU's 2005 Expected County Yield 152.6
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	3.42% GRP			90% Coverage GRIP		4.95% GRIP ³		90% GRIP-HRO		7.49% GRIP-HRO ³ Prem
	Yield	Planted Yield					GRP Prem	Plant ² Harvest Price	GRIP Pymt Rate	GRIP ³ Prem	GRIP Pymt Rate	GRIP-HRO Pymt	GRIP-HRO Pymt			
1980	80	77.3	90.8	5.5%	2.25	16.70	10.48	3.11	3.81	0.0%	0.00	20.97	5.5%	28.31	31.73	
1981	92	89.6	93.3	0.0%	2.70	0.00	12.92	3.75	2.77	21.1%	110.80	25.94	21.1%	110.80	39.26	
1982	110	106.5	95.7	0.0%	3.00	0.00	14.74	2.93	2.33	1.7%	7.35	20.84	1.7%	7.35	31.54	
1983	87	83.6	98.2	5.4%	2.70	21.51	13.60	2.87	3.49	0.0%	0.00	20.92	5.4%	27.81	31.66	
1984	103	100.4	100.7	0.0%	2.90	0.00	14.98	2.84	2.73	0.0%	0.00	21.20	0.0%	0.00	32.08	
1985	125	124.1	103.2	0.0%	2.85	0.00	15.08	2.63	2.38	0.0%	0.00	20.18	0.0%	0.00	30.53	
1986	129	127.6	105.6	0.0%	2.35	0.00	12.73	2.08	1.70	0.0%	0.00	16.35	0.0%	0.00	24.74	
1987	136	134.6	108.1	0.0%	2.00	0.00	11.09	1.67	1.83	0.0%	0.00	13.43	0.0%	0.00	20.33	
1988	91	90.3	110.6	9.2%	2.00	30.66	11.35	2.18	2.69	0.0%	0.00	17.87	9.2%	41.30	27.03	
1989	97	96.4	113.0	5.3%	2.60	23.21	15.08	2.70	2.38	16.6%	76.01	22.68	16.6%	76.01	34.32	
1990	113	111.0	115.5	0.0%	2.30	0.00	13.63	2.53	2.27	4.1%	17.99	21.71	4.1%	17.99	32.85	
1991	117	115.3	118.0	0.0%	2.30	0.00	13.92	2.61	2.44	0.0%	0.00	22.88	0.0%	0.00	34.62	
1992	155	153.3	120.5	0.0%	2.30	0.00	14.21	2.70	2.12	0.0%	0.00	24.11	0.0%	0.00	36.48	
1993	99	95.8	122.9	13.4%	2.30	56.98	14.50	2.39	2.74	0.6%	2.74	21.77	13.4%	67.83	32.94	
1994	144	142.6	125.4	0.0%	2.40	0.00	15.44	2.68	2.16	0.0%	0.00	24.95	0.0%	0.00	37.76	
1995	110	109.3	127.9	5.0%	2.25	21.62	14.76	2.58	3.28	0.0%	0.00	24.52	5.0%	31.52	37.11	
1996	142	139.3	130.3	0.0%	2.65	0.00	17.72	3.17	2.68	0.0%	0.00	30.72	0.0%	0.00	46.48	
1997	132	130.8	132.8	0.0%	2.45	0.00	16.69	2.80	2.76	0.0%	0.00	27.64	0.0%	0.00	41.83	
1998	127	125.1	135.3	0.0%	2.60	0.00	18.04	2.80	2.19	19.6%	111.16	28.11	19.6%	111.16	42.53	
1999	140	137.9	137.8	0.0%	2.10	0.00	14.84	2.37	1.96	8.2%	40.09	24.24	8.2%	40.09	36.67	
2000	139	135.7	140.2	0.0%	1.90	0.00	13.67	2.47	2.11	8.3%	43.07	25.72	8.3%	43.07	38.92	
2001	138	135.3	142.7	0.0%	2.05	0.00	15.01	2.45	2.05	12.0%	63.31	26.01	12.0%	63.31	39.35	
2002	155	151.6	145.2	0.0%	2.00	0.00	14.89	2.30	2.43	0.0%	0.00	24.78	0.0%	0.00	37.49	
2003	151	147.6	147.6	0.0%	2.20	0.00	16.66	2.38	2.37	0.0%	0.00	26.10	0.0%	0.00	39.49	
2004			150.1		2.45			2.93	1.99							
2005			152.6		2.35											
Total Farmer Paid Premium; Indemnity Payment							170.68	155.72			472.52	249.14	666.56	376.99		
Farmer Paid Loss Ratio								1.10				1.90		1.77		
Frequency of Claim								25%				38%		54%		
Total Premium Including Subsidizes								346.05				553.65		837.75		
Industry Loss Ratio								0.49				0.85		0.80		

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Harrison County, IA. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 150.6
 KSU's 2005 Expected County Yield 152.6
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	85% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	2.31% Coverage GRIP			Pymt Rate	GRIP Pymt	3.34% GRIP-HRO		Pymt Rate	GRIP-HRO Pymt	4.87% GRIP-HRO ³ Prem
	Yield	Planted Yield					GRP Prem	Plant ² Harvest Price	GRIP ³ Prem			GRIP ³ Rate	GRIP-HRO ³ Prem			
1980	80	77.3	90.8	0.0%	2.25	0.00	7.08	3.11	3.81	0.0%	0.00	14.15	0.0%	0.00	20.63	
1981	92	89.6	93.3	0.0%	2.70	0.00	8.73	3.75	2.77	16.5%	86.48	17.51	16.5%	86.48	25.53	
1982	110	106.5	95.7	0.0%	3.00	0.00	9.95	2.93	2.33	0.0%	0.00	14.07	0.0%	0.00	20.51	
1983	87	83.6	98.2	0.0%	2.70	0.00	9.19	2.87	3.49	0.0%	0.00	14.12	0.0%	0.00	20.59	
1984	103	100.4	100.7	0.0%	2.90	0.00	10.12	2.84	2.73	0.0%	0.00	14.31	0.0%	0.00	20.86	
1985	125	124.1	103.2	0.0%	2.85	0.00	10.19	2.63	2.38	0.0%	0.00	13.62	0.0%	0.00	19.85	
1986	129	127.6	105.6	0.0%	2.35	0.00	8.60	2.08	1.70	0.0%	0.00	11.03	0.0%	0.00	16.09	
1987	136	134.6	108.1	0.0%	2.00	0.00	7.49	1.67	1.83	0.0%	0.00	9.06	0.0%	0.00	13.22	
1988	91	90.3	110.6	3.9%	2.00	12.95	7.66	2.18	2.69	0.0%	0.00	12.05	3.9%	17.45	17.58	
1989	97	96.4	113.0	0.0%	2.60	0.00	10.18	2.70	2.38	11.7%	53.52	15.30	11.7%	53.52	22.31	
1990	113	111.0	115.5	0.0%	2.30	0.00	9.21	2.53	2.27	0.0%	0.00	14.65	0.0%	0.00	21.36	
1991	117	115.3	118.0	0.0%	2.30	0.00	9.40	2.61	2.44	0.0%	0.00	15.44	0.0%	0.00	22.51	
1992	155	153.3	120.5	0.0%	2.30	0.00	9.60	2.70	2.12	0.0%	0.00	16.27	0.0%	0.00	23.72	
1993	99	95.8	122.9	8.3%	2.30	35.39	9.80	2.39	2.74	0.0%	0.00	14.69	8.3%	42.12	21.42	
1994	144	142.6	125.4	0.0%	2.40	0.00	10.43	2.68	2.16	0.0%	0.00	16.84	0.0%	0.00	24.55	
1995	110	109.3	127.9	0.0%	2.25	0.00	9.97	2.58	3.28	0.0%	0.00	16.55	0.0%	0.00	24.13	
1996	142	139.3	130.3	0.0%	2.65	0.00	11.97	3.17	2.68	0.0%	0.00	20.73	0.0%	0.00	30.22	
1997	132	130.8	132.8	0.0%	2.45	0.00	11.28	2.80	2.76	0.0%	0.00	18.65	0.0%	0.00	27.20	
1998	127	125.1	135.3	0.0%	2.60	0.00	12.19	2.80	2.19	14.8%	84.30	18.96	14.8%	84.30	27.65	
1999	140	137.9	137.8	0.0%	2.10	0.00	10.02	2.37	1.96	2.8%	13.65	16.35	2.8%	13.65	23.84	
2000	139	135.7	140.2	0.0%	1.90	0.00	9.23	2.47	2.11	2.9%	15.04	17.36	2.9%	15.04	25.31	
2001	138	135.3	142.7	0.0%	2.05	0.00	10.14	2.45	2.05	6.9%	36.12	17.55	6.9%	36.12	25.59	
2002	155	151.6	145.2	0.0%	2.00	0.00	10.06	2.30	2.43	0.0%	0.00	16.72	0.0%	0.00	24.37	
2003	151	147.6	147.6	0.0%	2.20	0.00	11.25	2.38	2.37	0.0%	0.00	17.61	0.0%	0.00	25.68	
2004			150.1		2.45			2.93	1.99							
2005			152.6		2.35											
Total Farmer Paid Premium; Indemnity Payment						48.34	105.18				289.13	168.11		348.70	245.12	
Farmer Paid Loss Ratio							0.46					1.72			1.42	
Frequency of Claim							8%					25%			33%	
Total Premium Including Subsidizes							233.74					373.57			544.70	
Industry Loss Ratio							0.21					0.77			0.64	

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Harrison County, IA. Corn GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 150.6
 KSU's 2005 Expected County Yield 152.6
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	80% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	80% Coverage GRIP			GRIP Pymt	2.25% GRIP ³ Prem	80% GRIP-HRO Pymt Rate	GRIP-HRO Pymt	3.01% GRIP-HRO ³ Prem	
	Planted Yield	Yield					1.54% GRP Prem	Plant ² Price	Harvest Price						
1980	80	77.3	90.8	0.0%	2.25	0.00	4.72	3.11	3.81	0.0%	0.00	9.53	0.0%	0.00	12.75
1981	92	89.6	93.3	0.0%	2.70	0.00	5.82	3.75	2.77	11.3%	59.13	11.79	11.3%	59.13	15.78
1982	110	106.5	95.7	0.0%	3.00	0.00	6.64	2.93	2.33	0.0%	0.00	9.47	0.0%	0.00	12.68
1983	87	83.6	98.2	0.0%	2.70	0.00	6.13	2.87	3.49	0.0%	0.00	9.51	0.0%	0.00	12.72
1984	103	100.4	100.7	0.0%	2.90	0.00	6.75	2.84	2.73	0.0%	0.00	9.64	0.0%	0.00	12.89
1985	125	124.1	103.2	0.0%	2.85	0.00	6.79	2.63	2.38	0.0%	0.00	9.17	0.0%	0.00	12.27
1986	129	127.6	105.6	0.0%	2.35	0.00	5.73	2.08	1.70	0.0%	0.00	7.43	0.0%	0.00	9.94
1987	136	134.6	108.1	0.0%	2.00	0.00	4.99	1.67	1.83	0.0%	0.00	6.11	0.0%	0.00	8.17
1988	91	90.3	110.6	0.0%	2.00	0.00	5.11	2.18	2.69	0.0%	0.00	8.12	0.0%	0.00	10.86
1989	97	96.4	113.0	0.0%	2.60	0.00	6.79	2.70	2.38	6.2%	28.23	10.31	6.2%	28.23	13.79
1990	113	111.0	115.5	0.0%	2.30	0.00	6.14	2.53	2.27	0.0%	0.00	9.87	0.0%	0.00	13.20
1991	117	115.3	118.0	0.0%	2.30	0.00	6.27	2.61	2.44	0.0%	0.00	10.40	0.0%	0.00	13.91
1992	155	153.3	120.5	0.0%	2.30	0.00	6.40	2.70	2.12	0.0%	0.00	10.96	0.0%	0.00	14.66
1993	99	95.8	122.9	2.6%	2.30	11.09	6.53	2.39	2.74	0.0%	0.00	9.90	2.6%	13.20	13.24
1994	144	142.6	125.4	0.0%	2.40	0.00	6.95	2.68	2.16	0.0%	0.00	11.34	0.0%	0.00	15.17
1995	110	109.3	127.9	0.0%	2.25	0.00	6.65	2.58	3.28	0.0%	0.00	11.15	0.0%	0.00	14.91
1996	142	139.3	130.3	0.0%	2.65	0.00	7.98	3.17	2.68	0.0%	0.00	13.96	0.0%	0.00	18.68
1997	132	130.8	132.8	0.0%	2.45	0.00	7.52	2.80	2.76	0.0%	0.00	12.56	0.0%	0.00	16.81
1998	127	125.1	135.3	0.0%	2.60	0.00	8.13	2.80	2.19	9.5%	54.09	12.78	9.5%	54.09	17.09
1999	140	137.9	137.8	0.0%	2.10	0.00	6.68	2.37	1.96	0.0%	0.00	11.02	0.0%	0.00	14.74
2000	139	135.7	140.2	0.0%	1.90	0.00	6.15	2.47	2.11	0.0%	0.00	11.69	0.0%	0.00	15.64
2001	138	135.3	142.7	0.0%	2.05	0.00	6.76	2.45	2.05	1.1%	5.55	11.82	1.1%	5.55	15.81
2002	155	151.6	145.2	0.0%	2.00	0.00	6.71	2.30	2.43	0.0%	0.00	11.26	0.0%	0.00	15.07
2003	151	147.6	147.6	0.0%	2.20	0.00	7.50	2.38	2.37	0.0%	0.00	11.86	0.0%	0.00	15.87
2004			150.1		2.45			2.93	1.99						
2005			152.6		2.35										
Total Farmer Paid Premium; Indemnity Payment						11.09	70.12				147.00	113.25		160.20	151.50
Farmer Paid Loss Ratio							0.16					1.30			1.06
Frequency of Claim							4%					17%			21%
Total Premium Including Subsidizes							155.83					251.66			336.66
Industry Loss Ratio							0.07					0.58			0.48

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for December Chicago Board of Trade (CBOT) corn futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Harrison County, IA. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 42.5
 KSU's 2005 Expected County Yield 42.7
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	90% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	2.60%			90% Coverage GRIP		5.42% GRIP-HRO		7.05% GRIP-HRO ³	
	Planted Yield	Yield					GRP Prem	Plant ² Price	Harvest Price	GRIP Pymt Rate	GRIP ³ Prem	Pymt Rate	HRO Pymt	HRO ³ Prem	
1980	33	32.8	34.3	0.0%	6.00	0.00	8.02	7.15	8.57	0.0%	0.00	19.92	0.0%	0.00	25.92
1981	39	39.1	34.6	0.0%	7.00	0.00	9.45	8.26	6.56	0.4%	1.53	23.25	0.4%	1.53	30.25
1982	36	36.1	35.0	0.0%	7.00	0.00	9.55	6.60	5.32	7.6%	26.20	18.76	7.6%	26.20	24.40
1983	32	32.1	35.3	0.0%	6.00	0.00	8.26	6.23	8.43	0.0%	0.00	17.89	0.0%	0.00	23.27
1984	25	24.1	35.6	24.9%	6.50	86.49	9.04	7.13	6.14	35.3%	134.58	20.66	35.3%	134.58	26.87
1985	42	41.6	36.0	0.0%	6.50	0.00	9.12	5.93	5.05	0.0%	0.00	17.35	0.0%	0.00	22.57
1986	40	39.3	36.3	0.0%	5.25	0.00	7.44	5.09	4.82	0.0%	0.00	15.04	0.0%	0.00	19.56
1987	41	40.7	36.7	0.0%	5.00	0.00	7.15	4.65	5.38	0.0%	0.00	13.85	0.0%	0.00	18.02
1988	29	28.9	37.0	13.3%	5.00	36.84	7.21	6.52	7.93	0.0%	0.00	19.59	13.3%	58.43	25.49
1989	32	31.7	37.3	5.7%	6.17	19.62	8.98	7.30	5.62	27.4%	112.06	22.16	27.4%	112.06	28.83
1990	37	36.4	37.7	0.0%	5.55	0.00	8.15	5.96	6.12	0.0%	0.00	18.26	0.0%	0.00	23.75
1991	37	37.0	38.0	0.0%	5.50	0.00	8.15	6.17	5.60	1.7%	5.97	19.05	1.7%	5.97	24.78
1992	44	44.3	38.3	0.0%	5.50	0.00	8.23	6.10	5.37	0.0%	0.00	19.03	0.0%	0.00	24.75
1993	35	33.8	38.7	3.0%	5.70	10.01	8.60	5.87	6.15	0.0%	0.00	18.45	3.0%	10.80	24.00
1994	51	51.0	39.0	0.0%	5.90	0.00	8.98	6.54	5.41	0.0%	0.00	20.75	0.0%	0.00	26.99
1995	38	38.1	39.4	0.0%	5.50	0.00	8.44	5.90	6.56	0.0%	0.00	18.89	0.0%	0.00	24.57
1996	45	43.2	39.7	0.0%	6.75	0.00	10.45	7.39	7.07	0.0%	0.00	23.85	0.0%	0.00	31.03
1997	44	43.1	40.0	0.0%	5.80	0.00	9.06	7.04	6.82	0.0%	0.00	22.90	0.0%	0.00	29.79
1998	40	40.0	40.4	0.0%	5.80	0.00	9.13	6.48	5.46	7.2%	28.43	21.26	7.2%	28.43	27.65
1999	39	39.2	40.7	0.0%	4.76	0.00	7.56	4.88	4.85	0.0%	0.00	16.16	0.0%	0.00	21.02
2000	40	40.2	41.1	0.0%	5.15	0.00	8.25	5.24	4.72	2.1%	6.72	17.50	2.1%	6.72	22.76
2001	43	43.1	41.4	0.0%	4.92	0.00	7.94	4.59	4.37	0.0%	0.00	15.45	0.0%	0.00	20.10
2002	44	43.9	41.7	0.0%	4.90	0.00	7.97	4.53	5.45	0.0%	0.00	15.38	0.0%	0.00	20.00
2003	34	33.5	42.1	11.6%	5.25	38.55	8.61	5.23	7.32	0.0%	0.00	17.90	11.6%	53.76	23.28
2004			42.4		5.00				7.27	5.26					
2005			42.7		5.45										
Total Farmer Paid Premium; Indemnity															
Payment						191.52	91.69				315.49	204.00		438.48	265.35
Farmer Paid Loss Ratio							2.09					1.55			1.65
Frequency of Claim							21%					29%			42%
Total Premium Including Subsidizes							203.75					453.33			589.66
Industry Loss Ratio							0.94					0.70			0.74

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for November Chicago Board of Trade (CBOT) soybean futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Harrison County, IA. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 42.5
 KSU's 2005 Expected County Yield 42.7
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	85% Cov GRP Pymt	APH ¹ Price	GRP Pymt	1.50%			85% Coverage GRIP		3.58%		85% GRIP-HRO		4.47% GRIP-HRO ³ Prem
	Yield	Planted Yield					GRP Prem	Plant ² Price	Harvest Price	GRIP Pymt	GRIP ³ Prem	GRIP Pymt	HRO Pymt			
1980	33	32.8	34.3	0.0%	6.00	0.00	4.63	7.15	8.57	0.0%	0.00	13.16	0.0%	0.00	16.43	
1981	39	39.1	34.6	0.0%	7.00	0.00	5.45	8.26	6.56	0.0%	0.00	15.36	0.0%	0.00	19.18	
1982	36	36.1	35.0	0.0%	7.00	0.00	5.51	6.60	5.32	2.1%	7.38	12.39	2.1%	7.38	15.47	
1983	32	32.1	35.3	0.0%	6.00	0.00	4.77	6.23	8.43	0.0%	0.00	11.82	0.0%	0.00	14.75	
1984	25	24.1	35.6	20.5%	6.50	71.14	5.21	7.13	6.14	31.5%	120.08	13.64	31.5%	120.08	17.04	
1985	42	41.6	36.0	0.0%	6.50	0.00	5.26	5.93	5.05	0.0%	0.00	11.46	0.0%	0.00	14.31	
1986	40	39.3	36.3	0.0%	5.25	0.00	4.29	5.09	4.82	0.0%	0.00	9.93	0.0%	0.00	12.40	
1987	41	40.7	36.7	0.0%	5.00	0.00	4.12	4.65	5.38	0.0%	0.00	9.15	0.0%	0.00	11.43	
1988	29	28.9	37.0	8.2%	5.00	22.68	4.16	6.52	7.93	0.0%	0.00	12.94	8.2%	35.98	16.16	
1989	32	31.7	37.3	0.1%	6.17	0.45	5.18	7.30	5.62	23.1%	94.60	14.64	23.1%	94.60	18.28	
1990	37	36.4	37.7	0.0%	5.55	0.00	4.70	5.96	6.12	0.0%	0.00	12.06	0.0%	0.00	15.06	
1991	37	37.0	38.0	0.0%	5.50	0.00	4.70	6.17	5.60	0.0%	0.00	12.59	0.0%	0.00	15.71	
1992	44	44.3	38.3	0.0%	5.50	0.00	4.75	6.10	5.37	0.0%	0.00	12.57	0.0%	0.00	15.70	
1993	35	33.8	38.7	0.0%	5.70	0.00	4.96	5.87	6.15	0.0%	0.00	12.19	0.0%	0.00	15.22	
1994	51	51.0	39.0	0.0%	5.90	0.00	5.18	6.54	5.41	0.0%	0.00	13.71	0.0%	0.00	17.11	
1995	38	38.1	39.4	0.0%	5.50	0.00	4.87	5.90	6.56	0.0%	0.00	12.48	0.0%	0.00	15.58	
1996	45	43.2	39.7	0.0%	6.75	0.00	6.03	7.39	7.07	0.0%	0.00	15.76	0.0%	0.00	19.67	
1997	44	43.1	40.0	0.0%	5.80	0.00	5.22	7.04	6.82	0.0%	0.00	15.13	0.0%	0.00	18.89	
1998	40	40.0	40.4	0.0%	5.80	0.00	5.27	6.48	5.46	1.8%	7.03	14.04	1.8%	7.03	17.53	
1999	39	39.2	40.7	0.0%	4.76	0.00	4.36	4.88	4.85	0.0%	0.00	10.67	0.0%	0.00	13.33	
2000	40	40.2	41.1	0.0%	5.15	0.00	4.76	5.24	4.72	0.0%	0.00	11.56	0.0%	0.00	14.43	
2001	43	43.1	41.4	0.0%	4.92	0.00	4.58	4.59	4.37	0.0%	0.00	10.21	0.0%	0.00	12.74	
2002	44	43.9	41.7	0.0%	4.90	0.00	4.60	4.53	5.45	0.0%	0.00	10.16	0.0%	0.00	12.68	
2003	34	33.5	42.1	6.4%	5.25	21.34	4.97	5.23	7.32	0.0%	0.00	11.82	6.4%	29.75	14.76	
2004			42.4		5.00				7.27	5.26						
2005			42.7		5.45											
Total Farmer Paid Premium; Indemnity Payment							115.61	52.90			229.08	134.74		294.81	168.24	
Farmer Paid Loss Ratio								2.19				1.70		1.75		
Frequency of Claim								17%				17%		25%		
Total Premium Including Subsidizes								117.55				299.43		373.87		
Industry Loss Ratio								0.98				0.77		0.79		

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

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³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.

Harrison County, IA. Soybeans GRP and GRIP Historical Simulated Indemnity Payments based on 30 Years of Trend Adjusted Yields (No Practice Specified)

RMA's 2005 Expected County Yield 42.5
 KSU's 2005 Expected County Yield 42.7
 150% Maximum Liability

Year	County		Trend Adj. Expect Yield	80% Cov GRP Pymt Rate	APH ¹ Price	GRP Pymt	0.90%			80% Coverage GRIP		2.23% GRIP-HRO		2.65% GRIP-HRO ³	
	Yield	Planted Yield					GRP Prem	Plant ² Price	Harvest Price	GRP Pymt Rate	GRIP Pymt	GRIP ³ Prem	HRO Pymt Rate	GRIP-HRO Pymt	GRIP-HRO ³ Prem
1980	33	32.8	34.3	0.0%	6.00	0.00	2.78	7.15	8.57	0.0%	0.00	8.20	0.0%	0.00	9.74
1981	39	39.1	34.6	0.0%	7.00	0.00	3.27	8.26	6.56	0.0%	0.00	9.57	0.0%	0.00	11.37
1982	36	36.1	35.0	0.0%	7.00	0.00	3.30	6.60	5.32	0.0%	0.00	7.72	0.0%	0.00	9.17
1983	32	32.1	35.3	0.0%	6.00	0.00	2.86	6.23	8.43	0.0%	0.00	7.36	0.0%	0.00	8.75
1984	25	24.1	35.6	15.5%	6.50	53.87	3.13	7.13	6.14	27.2%	103.76	8.50	27.2%	103.76	10.10
1985	42	41.6	36.0	0.0%	6.50	0.00	3.16	5.93	5.05	0.0%	0.00	7.14	0.0%	0.00	8.48
1986	40	39.3	36.3	0.0%	5.25	0.00	2.57	5.09	4.82	0.0%	0.00	6.19	0.0%	0.00	7.35
1987	41	40.7	36.7	0.0%	5.00	0.00	2.47	4.65	5.38	0.0%	0.00	5.70	0.0%	0.00	6.77
1988	29	28.9	37.0	2.4%	5.00	6.76	2.50	6.52	7.93	0.0%	0.00	8.06	2.4%	10.72	9.58
1989	32	31.7	37.3	0.0%	6.17	0.00	3.11	7.30	5.62	18.3%	74.95	9.12	18.3%	74.95	10.84
1990	37	36.4	37.7	0.0%	5.55	0.00	2.82	5.96	6.12	0.0%	0.00	7.51	0.0%	0.00	8.93
1991	37	37.0	38.0	0.0%	5.50	0.00	2.82	6.17	5.60	0.0%	0.00	7.84	0.0%	0.00	9.32
1992	44	44.3	38.3	0.0%	5.50	0.00	2.85	6.10	5.37	0.0%	0.00	7.83	0.0%	0.00	9.30
1993	35	33.8	38.7	0.0%	5.70	0.00	2.98	5.87	6.15	0.0%	0.00	7.59	0.0%	0.00	9.02
1994	51	51.0	39.0	0.0%	5.90	0.00	3.11	6.54	5.41	0.0%	0.00	8.54	0.0%	0.00	10.15
1995	38	38.1	39.4	0.0%	5.50	0.00	2.92	5.90	6.56	0.0%	0.00	7.77	0.0%	0.00	9.24
1996	45	43.2	39.7	0.0%	6.75	0.00	3.62	7.39	7.07	0.0%	0.00	9.81	0.0%	0.00	11.66
1997	44	43.1	40.0	0.0%	5.80	0.00	3.13	7.04	6.82	0.0%	0.00	9.42	0.0%	0.00	11.20
1998	40	40.0	40.4	0.0%	5.80	0.00	3.16	6.48	5.46	0.0%	0.00	8.75	0.0%	0.00	10.39
1999	39	39.2	40.7	0.0%	4.76	0.00	2.62	4.88	4.85	0.0%	0.00	6.65	0.0%	0.00	7.90
2000	40	40.2	41.1	0.0%	5.15	0.00	2.85	5.24	4.72	0.0%	0.00	7.20	0.0%	0.00	8.55
2001	43	43.1	41.4	0.0%	4.92	0.00	2.75	4.59	4.37	0.0%	0.00	6.36	0.0%	0.00	7.55
2002	44	43.9	41.7	0.0%	4.90	0.00	2.76	4.53	5.45	0.0%	0.00	6.33	0.0%	0.00	7.52
2003	34	33.5	42.1	0.6%	5.25	1.97	2.98	5.23	7.32	0.0%	0.00	7.36	0.6%	2.74	8.75
2004			42.4		5.00				7.27	5.26					
2005			42.7		5.45										
Total Farmer Paid Premium; Indemnity Payment						62.60	31.74				178.71	83.93		192.18	99.74
Farmer Paid Loss Ratio							1.97					2.13			1.93
Frequency of Claim							13%					8%			17%
Total Premium Including Subsidizes							70.53					186.52			221.65
Industry Loss Ratio							0.89					0.96			0.87

¹MPCI-APH and GRP use different price elections. The price used to calculate the simulated GRP indemnity payment in the years prior to 1997 were assumed to be the RMA set price election for MPCI-APH.

²The planting price used in the analysis is the last 5 trading days in February average closing price for November Chicago Board of Trade (CBOT) soybean futures contract. It has been reported that RMA plans to convert the current GRIP planting price to use the same planting price as CRC and RA.

³The assumed price volatility factor of 0.21 was used to calculate GRIP and GRIP-HRO premiums. Like price elections the volatility is reset each year.