

Appendix table 2--State and U.S. average rice yields per harvested acre

Crop year ¹	AR	CA	LA	MS	MO	TX	U.S.
	Pounds per harvested acre						
1972/73	4,975	5,700	3,825	4,559	4,449	4,727	4,700
1973/74	4,770	5,616	6,451	4,306	4,346	3,740	4,274
1974/75	4,614	5,287	3,650	4,179	3,779	4,497	4,440
1975/76	4,541	5,748	3,809	3,921	4,211	4,561	4,558
1976/77	4,765	5,518	3,909	4,200	4,200	4,809	4,663
1977/78	4,229	5,816	3,673	4,000	3,700	4,671	4,412
1978/79	4,450	5,220	3,820	4,250	4,327	4,700	4,484
1979/80	4,320	6,521	3,910	4,050	3,809	4,216	4,599
1980/81	4,111	6,440	3,550	3,844	4,180	4,234	4,413
1981/82	4,520	6,901	4,060	4,389	4,078	4,704	4,819
1982/83	4,288	6,701	4,158	4,120	4,478	4,686	4,710
1983/84	4,280	7,039	3,816	4,000	4,087	4,341	4,598
1984/85	4,600	7,124	4,154	4,350	4,596	4,941	4,957
1985/86	5,200	7,299	4,375	5,350	4,810	5,493	5,414
1986/87	5,300	7,702	4,549	5,400	5,125	6,250	5,651
1987/88	5,250	7,550	4,550	5,100	5,400	5,900	5,555
1988/89	5,350	7,021	4,501	5,300	5,100	6,000	5,514
1989/90	5,600	7,900	4,431	5,700	5,200	5,700	5,749
1990/91	5,000	7,704	4,857	5,700	4,700	6,000	5,529
1991/92	5,300	8,100	4,850	5,600	5,100	6,000	5,674
1992/93	5,501	8,500	4,653	5,700	4,800	5,800	5,736
1993/94	5,048	8,300	4,549	5,300	4,900	5,401	5,510
1994/95 ²	5,700	8,500	4,850	5,900	4,900	5,800	5,954

¹ The marketing year runs August 1 through July 31. ² Preliminary.
Source: National Agricultural Statistics Service, USDA.

Appendix table 3--U.S. rice program base acreage in compliance and planted, and total diverted acreage

Market year ¹	Base acres			Diverted base acres						
	Total	Complying	Part. rate ²	Total	ARP ³	CRP ⁴	Other ⁵	NFA ⁶	OFA ⁷	50/85 ⁸
	----- 1,000 acres -----		Percent	----- 1,000 acres -----						
1982/83	3,969	3,093	78	422	422	---	0	---	---	---
1983/84	3,946	3,857	98	739	547	---	192	---	---	---
1984/85	4,160	3,517	85	785	785	---	0	---	---	---
1985/86	4,234	3,814	90	1,241	682	---	559	---	---	---
1986/87	4,249	3,978	94	1,480	1,305	1	0	---	---	174
1987/88	4,183	3,998	96	1,569	1,325	3	0	---	---	241
1988/89	4,155	3,918	94	1,092	950	4	0	---	---	138
1989/90	4,168	3,906	94	1,192	939	9	0	---	---	245
1990/91	4,154	3,890	94	1,035	735	13	0	---	---	287
1991/92	4,155	3,947	95	1,317	196	13	0	437	18	654
1992/93	4,139	3,989	96	907	0	13	0	425	24	446
1993/94	4,143	4,000	97	1,164	200	13	0	449	21	481
1994/95 ⁹	4,171	3,922	94	661	0	13	0	373	29	247

--- = Not applicable.

¹ The marketing year runs August 1 through July 31. ² Participation rate. ³ Acreage reduction program. ⁴ Conservation reserve program. ⁵ Paid diversion. ⁶ Idled or flexed under normal flex acres. ⁷ Idled or flexed under optional flex acres. ⁸ Idled under the 50/85 program. ⁹ Preliminary.

Source: USDA, Consolidated Farm Service Agency.

Appendix table 4--U.S. rice program base acres: total and enrolled, by State

Crop year ¹	AR	CA	LA	MS	MO	TX	U.S. ²
1,000 acres							
Total base:							
1982/83	1,551	609	716	359	88	632	3,969
1983/84	1,535	624	717	356	98	610	3,946
1984/85	1,638	642	749	378	101	636	4,160
1985/86	1,622	647	794	375	107	639	4,234
1986/87	1,705	648	761	378	110	630	4,249
1987/88	1,674	635	746	374	110	602	4,160
1988/89	1,666	634	743	368	110	614	4,155
1989/90	1,665	629	753	372	114	613	4,168
1990/91	1,664	625	749	371	114	610	4,154
1991/92	1,659	619	752	369	122	612	4,155
1992/93	1,655	610	751	370	125	608	4,139
1993/94	1,657	605	756	371	130	600	4,143
1994/95 ³	1,666	598	759	372	134	603	4,158
Enrolled base:							
1982/83	1,312	589	668	315	79	560	3,536
1983/84	1,526	611	704	359	85	612	3,912
1984/85	1,449	576	651	305	90	563	3,517
1985/86	1,574	585	669	338	99	590	3,866
1986/87	1,680	607	720	360	107	580	4,068
1987/88	1,651	610	715	362	109	568	4,026
1988/89	1,553	594	703	338	97	548	3,841
1989/90	1,612	599	704	355	108	569	3,949
1990/91	1,608	592	713	357	111	568	3,952
1991/92	1,540	548	703	347	106	555	3,808
1992/93	1,580	576	694	315	116	568	3,858
1993/94	1,619	588	708	357	119	566	3,962
1994/95 ³	1,409	484	606	297	105	352	3,257

¹ The marketing year runs August 1 through July 31. ² The U.S. total includes other minor acreage from Florida and Tennessee.

³ Preliminary.

Source: USDA, National Agricultural Statistics Service.

Appendix table 5--U.S. rice program base acres: Complying and complying base acres as a percent of total base, by State

Item ¹	AR	CA	LA	MS	MO	TX	U.S. ²
Complying base:				1,000 acres			
1982/83	1,216	439	564	278	58	530	3,093
1983/84	1,499	611	700	352	84	598	3,857
1984/85	1,415	561	614	286	85	547	3,517
1985/86	1,553	576	653	333	100	589	3,814
1986/87	1,648	596	687	354	407	570	3,978
1987/88	1,640	596	712	360	108	570	3,998
1988/89	1,605	596	692	349	104	562	3,918
1989/90	1,600	586	697	351	108	562	3,906
1990/91	1,598	587	698	329	108	569	3,890
1991/92	1,609	585	697	355	119	574	3,947
1992/93	1,623	589	720	358	122	576	3,996
1993/94	1,626	600	721	357	126	569	3,996
1994/95 ³	1,627	579	710	352	127	564	3,964
Complying base as a percent of total base:				Percent			
1982/83	78	72	79	78	66	84	78
1983/84	98	98	98	99	86	98	98
1984/85	86	87	82	76	84	86	85
1985/86	96	89	82	89	94	92	90
1986/87	97	92	90	94	98	91	94
1987/88	98	94	96	96	98	95	96
1988/89	96	94	93	95	95	92	94
1989/90	96	93	93	94	94	92	94
1990/91	96	94	93	89	95	93	94
1991/92	97	96	93	96	97	94	95
1992/93	98	97	96	97	98	95	97
1993/94	98	99	95	96	96	95	96
1994/95 ³	98	97	94	95	95	94	95

¹ The marketing year runs August 1 through July 31. ² The U.S. total includes other minor acreage from Florida and Tennessee.

³ Preliminary.

Source: USDA, National Agricultural Statistics Service.

Appendix table 6--U.S. rice normal flex acres (NFA) and optional flex acres (OFA), by State

Item ¹	AR	CA	LA	MS	MO	TX	U.S. ²
NFA: eligible acres--				1,000 acres			
1991/92	241	88	105	53	18	86	592
1992/93	242	88	108	54	18	86	598
1993/94	244	88	108	54	19	85	600
1994/95	244	87	106	53	19	85	595
NFA: acres planted to rice--							
1991/92	88	13	33	12	5	3	155
1992/93	94	16	40	15	6	3	174
1993/94	82	24	27	12	4	2	151
1994/95	103	32	38	20	7	4	205
NFA: acres flexed out of rice--							
1991/92	148	20	26	38	13	18	262
1992/93	145	24	38	38	12	18	276
1993/94	159	23	49	41	14	16	301
1994/95	138	30	34	32	12	16	262
NFA: idled acres--							
1991/92	5	55	46	3	0	65	175
1992/93	3	48	31	1	0	65	149
1993/94	3	41	33	1	0	68	147
1994/95	3	25	34	1	0	64	127
OFA: eligible acres--							
1991/92	161	59	70	36	12	57	395
1992/93	161	59	72	36	12	58	399
1993/94	163	59	72	36	13	57	400
1994/95	163	59	71	35	13	56	396
OFA: acres planted to rice--							
1991/92	150	56	68	34	11	58	377
1992/93	148	57	69	33	10	57	375
1993/94	151	57	70	33	11	57	379
1994/95	138	53	67	30	9	56	354
OFA: acres flexed out of rice--							
1991/92	11	2	2	1	0	0	18
1992/93	13	2	3	2	2	1	24
1993/94	12	2	2	3	2	0	21
1994/95 ³	24	5	4	5	3	1	43

¹ The marketing year runs August 1 through July 31. ² The U.S. total includes other minor acreage from Florida and Tennessee.

³ Preliminary.

Source: USDA, National Agricultural Statistics Service

Appendix table 7--Proportional distribution of U.S. rice production, by type

Market year ¹	Long grain	Medium grain	Short grain	Total production
	Percent			Million cwt
1960/61	48.2	35.2	16.6	54,591
1961/62	45.3	38.4	16.3	54,198
1962/63	43.7	41.8	14.5	66,045
1963/64	36.8	48.7	14.5	70,269
1964/65	37.5	50.2	12.3	73,166
1965/66	43.0	45.6	11.4	76,281
1966/67	41.6	46.5	11.9	85,020
1967/68	48.5	42.3	9.2	89,379
1968/69	46.8	42.1	11.1	104,142
1969/70	49.0	40.3	10.7	91,904
1970/71	49.3	40.4	10.3	83,805
1971/72	52.6	37.2	10.2	85,768
1972/73	50.2	39.7	10.1	85,439
1973/74	46.2	42.9	10.9	92,765
1974/75	49.8	41.0	9.2	112,386
1975/76	52.9	38.4	8.7	128,437
1976/77	60.6	31.8	7.6	115,648
1977/78	62.7	26.5	10.8	99,223
1978/79	63.7	27.4	8.9	133,170
1979/80	61.2	30.6	8.2	131,947
1980/81	59.4	35.2	5.4	146,150
1981/82	60.4	33.7	5.9	182,742
1982/83	60.8	33.4	5.8	153,637
1983/84	65.2	26.7	8.1	99,720
1984/85	69.2	25.4	5.4	138,810
1985/86	74.4	21.1	4.5	134,913
1986/87	72.8	24.0	3.2	133,356
1987/88	68.7	29.0	2.3	129,603
1988/89	74.6	23.1	2.3	159,897
1989/90	70.7	26.8	2.5	154,487
1990/91	69.1	30.3	0.6	156,088
1991/92	69.3	30.2	0.5	157,457
1992/93	71.3	28.2	0.6	179,658
1993/94	66.0	33.2	0.8	156,110
1994/95 ²	67.5	32.1	0.0	197,779

¹ The marketing year runs August 1 through July 31. ² Preliminary.
 Source: USDA, National Agricultural Statistics Service.

Appendix table 8--Use and ending stocks for rice

Market year ¹	Food	Seed	Brew- ers'	Resid- ual	Exports	Total use	Ending stocks	Stocks-to- use
	----- Million cwt -----							Percent
1960/61	19.9	2.1	4.9	0.5	29.5	56.9	10.0	17.6
1961/62	22.6	2.4	4.7	0.4	29.2	59.3	5.3	8.9
1962/63	21.5	2.4	4.1	0.2	35.5	63.7	7.7	12.1
1963/64	22.5	2.4	3.8	0.0	41.8	70.5	7.5	10.6
1964/65	24.2	2.5	4.3	0.0	42.5	73.5	7.7	10.5
1965/66	23.5	2.7	4.7	2.2	43.3	76.4	8.2	10.7
1966/67	23.9	2.7	5.3	1.2	51.6	84.8	8.5	10.0
1967/68	25.0	3.2	5.4	0.6	56.9	91.1	6.8	7.5
1968/69	27.0	2.9	5.8	2.9	56.1	94.7	16.2	17.1
1969/70	23.5	2.5	7.1	1.9	56.9	91.9	16.4	17.8
1970/71	25.1	2.5	3.8	2.2	46.5	83.1	18.6	22.4
1971/72	25.5	2.5	7.4	1.8	56.9	94.1	11.4	12.1
1972/73	25.1	3.0	7.7	2.5	54.0	92.3	5.1	5.5
1973/74	26.1	3.6	8.1	2.7	49.7	90.2	7.8	8.6
1974/75	28.6	4.0	8.4	2.7	69.5	113.2	7.1	6.3
1975/76	27.7	3.5	9.1	1.8	56.5	98.6	36.9	37.4
1976/77	29.2	3.2	10.3	3.8	65.6	112.1	40.5	36.1
1977/78	23.5	4.3	9.9	1.9	72.8	112.4	27.4	24.4
1978/79	33.7	4.3	11.2	4.2	75.7	129.1	31.6	24.5
1979/80	33.2	4.8	11.2	6.1	82.6	137.9	25.7	18.6
1980/81	38.4	5.1	11.0	9.7	91.4	155.6	16.5	10.6
1981/82	42.5	4.4	12.7	9.0	82.0	150.6	49.0	32.5
1982/83	37.6	2.9	13.5	8.9	68.9	131.8	71.5	54.2
1983/84	32.7	3.8	12.8	5.6	70.3	125.2	46.9	37.5
1984/85	35.2	3.4	13.9	8.0	62.1	122.6	64.7	52.8
1985/86	45.2	3.0	14.1	3.5	58.7	124.5	77.3	62.1
1986/87	52.8	2.9	15.0	7.0	84.2	161.9	51.4	31.7
1987/88	54.9	3.6	15.4	6.5	72.2	152.6	31.4	20.6
1988/89	57.4	3.4	15.6	6.0	85.9	168.4	26.7	15.9
1989/90	60.0	3.6	15.4	3.0	77.2	159.2	26.4	16.6
1990/91	63.8	3.6	15.3	9.0	70.9	162.7	24.6	15.1
1991/92	65.2	3.9	15.4	9.0	66.4	159.9	27.4	17.1
1992/93	69.0	3.8	15.1	9.0	77.0	173.7	39.4	22.7
1993/94	71.3	4.2	15.0	6.5	79.4	176.4	26.0	14.8
1994/95 ²	74.0	4.0	15.0	9.0	89.0	191.0	40.8	21.4

¹ The marketing year runs August 1 through July 31. ² Preliminary.
Source: USDA, National Agricultural Statistics Service.

Appendix table 9--Prices and ending stocks for rice

Market year ¹	Ending stocks			Farm price	Loan rate	Target price	Direct payment
	CCC	Free	Total				
	----- Million cwt -----			----- Dollars per cwt -----			
1960/61	4.1	5.9	10.0	4.55	4.42	---	---
1961/62	0.3	5.0	5.3	5.14	4.71	---	---
1962/63	1.9	5.9	7.7	5.04	4.71	---	---
1963/64	1.4	6.1	7.5	5.01	4.71	---	---
1964/65	1.0	6.6	7.7	4.90	4.71	---	---
1965/66	0.6	7.6	8.2	4.93	4.50	---	---
1966/67	0.2	8.3	8.5	4.77	4.50	---	---
1967/68	0.0	6.7	6.8	4.97	4.55	---	---
1968/69	6.3	9.9	16.2	5.00	4.60	---	---
1969/70	6.4	10.0	16.4	4.95	4.72	---	---
1970/71	9.5	9.2	18.6	5.17	4.86	---	---
1971/72	2.7	8.7	11.4	5.34	5.07	---	---
1972/73	0.1	5.0	5.1	6.73	5.27	---	---
1973/74	0.0	7.8	7.8	13.80	6.07	---	---
1974/75	0.0	7.1	7.1	11.20	7.54	---	---
1975/76	19.2	17.7	36.9	8.35	8.52	---	---
1976/77	18.7	21.8	40.5	7.02	6.19	8.25	0.00
1977/78	10.8	16.6	27.4	9.49	6.19	8.25	0.00
1978/79	8.3	23.2	31.6	8.16	6.40	8.53	0.78
1979/80	1.7	24.0	25.7	10.50	6.79	9.05	0.00
1980/81	0.0	16.5	16.5	12.80	7.12	9.49	0.00
1981/82	17.5	31.5	49.0	9.05	8.01	10.68	0.28
1982/83	22.3	49.2	71.5	7.91	8.14	10.85	2.71
1983/84	25.0	21.9	46.9	8.57	8.14	11.40	2.77
1984/85	44.3	20.4	64.7	8.04	8.00	11.90	3.76
1985/86	43.6	33.7	77.3	6.53	8.00	11.90	3.90
1986/87	8.7	42.7	51.4	3.75	7.20	11.90	4.70
1987/88	0.2	31.2	31.4	7.27	6.84	11.66	4.82
1988/89	0.1	26.6	26.7	6.83	6.63	11.15	4.31
1989/90	0.0	26.4	26.4	7.35	6.50	10.80	3.56
1990/91	0.1	24.5	24.6	6.70	6.50	10.71	4.16
1991/92	0.4	27.0	27.4	7.58	6.50	10.71	3.07
1992/93	0.1	39.3	39.4	5.89	6.50	10.71	4.21
1993/94	0.1	25.9	26.0	8.09	6.50	10.71	3.98
1994/95 ²	0.1	40.7	40.8	6.75 ³	6.50	10.71	3.81

--- = Not applicable. ¹ The marketing year runs August 1 through July 31. ² Preliminary. ³ Midpoint of USDA projected range of \$6.50 to \$7.00.

Source: USDA, Consolidated Farm Service Agency and National Agricultural Statistics Service.

Appendix table 10--Farm-related program costs for rice¹

Fiscal year	Direct income and price support ²	Dis-aster	Di- ver- sion	Com- modity export pay- ments	Loan operations		Misc- ellan- eous ⁵	Net out- lays ⁶	PL-480 outlays	Total
					Out- lays ³	Re- pay- ments ⁴				
Million dollars										
1961	---	---	---	19	67	27	-29	30	101	131
1962	---	---	---	30	42	22	-23	28	83	111
1963	---	---	---	24	40	21	1	44	113	157
1964	---	---	---	39	43	26	-4	52	117	169
1965	---	---	---	38	51	35	-5	50	95	145
1966	---	---	---	42	62	47	-5	52	61	112
1967	---	---	---	22	80	70	-3	30	140	170
1968	---	---	---	2	90	81	-0	11	134	145
1969	---	---	---	3	128	86	-0	46	171	217
1970	---	---	---	14	133	107	-0	39	168	206
1971	---	---	---	18	110	91	5	42	168	209
1972	---	---	---	25	190	159	-50	5	215	220
1973	---	---	---	22	138	127	-11	22	244	266
1974	---	---	---	7	137	122	0	15	317	332
1975	---	---	---	---	76	73	-3	-0	285	285
1976	0	0	---	---	226	36	16	206	242	448
1977 ^b	128	1	---	---	157	146	5	145	164	309
1978	0	4	---	---	128	122	-75	-66	149	83
1979	58	1	---	---	177	172	-15	50	136	186
1980	0	1	---	---	169	180	-67	-76	194	118
1981	0	2	---	---	253	175	-57	24	169	193
1982	22	0	---	---	360	210	-8	164	117	280
1983	397	0	12	---	525	289	20	664	130	794
1984	103	0	11	---	387	150	-18	333	129	462
1985	572	0	78	---	547	205	-2	990	172	1,162
1986	324	0	14	---	806	244	47	947	86	1,033
1987	376	0	0	---	890	388	29	906	84	990
1988	45	0	1	---	730	602	-45	128	101	229
1989	614	0	0	---	1,137	1,040	-79	631	150	781
1990	475	0	0	---	944	698	-54	667	105	772
1991	543	0	0	---	1,034	647	-63	867	105	971
1992	492	0	0	---	833	511	-98	715	131	846
1993	669	0	0	---	842	582	-42	887	87	974

--- = Not applicable.

¹ Totals may not add due to rounding. ² Cash payments only, excludes certificate settlements and loan deficiency payments.

³ Loans, loan purchases, loan collateral settlements, and loan deficiency payments. ⁴ Loan repayments. ⁵ Government expenditures for storage and handling, transportation, processing, and packaging, sales proceeds, and other receipts. ⁶ The sum of columns (2)-(5), (8), plus the net of columns (6) and (7). ⁷ Less than \$50,000. ⁸ Includes July-September 1976 to allow for shift from a July-June to October-September fiscal year.

Source: USDA, Consolidated Farm Service Agency

Appendix table 11--U.S. government program-assisted rice exports

Fiscal year	U.S. government export assistance programs			Total	Commercial exports ⁴	Total U.S. exports
	PL 480 ¹	CCC ²	EEP ³			
				1,000 metric tons		
1965	567	3	---	570	722	1,292
1966	450	23	---	473	902	1,375
1967	828	50	---	878	903	1,780
1968	759	0	---	759	1,160	1,919
1969	999	130	---	1,129	699	1,828
1970	950	104	---	1,054	721	1,775
1971	1,075	155	---	1,230	391	1,621
1972	1,204	81	---	1,285	583	1,868
1973	1,120	76	---	1,196	479	1,675
1974	612	12	---	624	1,070	1,694
1975	747	48	---	795	1,419	2,214
1976	514	60	---	574	1,376	1,950
1977	691	15	---	706	1,613	2,319
1978	530	50	---	580	1,696	2,276
1979	486	42	---	528	1,868	2,396
1980	540	168	---	709	2,246	2,955
1981	360	452	---	811	2,391	3,172
1982	374	14	---	388	2,523	2,911
1983	475	328	---	803	1,473	2,276
1984	464	571	---	1,035	1,258	2,293
1985	577	359	---	936	1,036	1,972
1986	436	476	23	935	1,447	2,382
1987	486	636	28	1,150	1,304	2,454
1988	350	433	120	914	1,253	2,167
1989	408	826	20	1,254	1,862	3,116
1990 ⁵	375	663	0	1,038	1,459	2,497
1991 ⁵	411	183	76	669	1,726	2,395
1992 ⁵	404	220	358	982	1,297	2,279
1993 ⁵	594	235	278	1,108	1,499	2,607
1994 ⁶	375	164	46	586	2,064	2,650

--- = Not applicable.

¹PL-480 includes titles I, II, and III, plus section 416 and Food for Peace. ²Commodity Credit Cooperation's General Sales Manager credit guarantees. ³Export Enhancement Program subsidized exports. ⁴Nongovernment-assisted exports. ⁵Preliminary PL-480 and CCC activity. ⁶Economic Research Service, USDA, projections.

Source: USDA, Economic Research Service, concessional export database and various Foreign Agricultural Service export credit reports.

Appendix table 12--World milled rice production, consumption, exports, and exports as a share of production

Calendar year	Production	Total use	Exports ¹	Exports as a share of use
	----- 1,000 metric tons -----			Percent
1960	150.8	156.6	6.5	4
1961	147.3	149.2	6.3	4
1962	155.1	151.2	7.3	5
1963	169.0	165.2	7.7	5
1964	180.7	179.7	8.2	5
1965	172.9	172.2	7.9	5
1966	179.0	178.5	7.8	4
1967	188.9	186.1	7.2	4
1968	194.9	191.6	7.5	4
1969	201.1	199.2	8.2	4
1970	213.0	210.6	8.6	4
1971	215.8	216.5	8.7	4
1972	208.9	213.2	8.4	4
1973	227.6	222.6	7.7	3
1974	225.7	226.5	7.3	3
1975	243.1	232.3	8.4	3
1976	235.8	236.8	10.6	4
1977	250.6	244.2	9.6	4
1978	262.4	252.5	11.9	5
1979	256.8	258.2	12.5	5
1980	267.8	273.1	12.0	5
1981	277.4	282.4	10.8	4
1982	283.6	283.5	11.0	4
1983	305.3	300.6	11.5	4
1984	315.9	308.3	10.7	4
1985	317.5	318.6	11.7	4
1986	317.2	320.7	12.8	4
1987	313.5	319.6	11.2	4
1988	329.7	325.4	13.9	4
1989	343.1	338.2	11.7	4
1990	350.7	345.9	12.1	4
1991	349.5	351.5	14.1	4
1992	352.6	355.1	14.8	4
1993 ²	352.2	356.9	16.1	5
1994 ³	354.8	356.4	15.7	4

¹Based on the aggregate of differing local marketing years. ²Estimated. ³Projected, March 1995.
Source: USDA, Foreign Agricultural Service.

Appendix table 13--Value of U.S. rice exports, by region¹

Region	1982/ 83	1983/ 84	1984/ 85	1985/ 86	1986/ 87	1987/ 88	1988/ 89	1989/ 90	1990/ 91	1991/ 92	1992/ 93	1993/ 94
	Million dollars											
World	868	917	716	611	622	722	912	869	746	751	754	925
Western Hemisphere	119	149	103	109	177	115	202	264	285	279	218	223
Canada	44	44	43	35	23	37	34	42	52	57	54	59
Latin America	76	105	60	74	154	78	168	222	234	221	164	164
Mexico	0	0	0	0	0	1	20	75	26	37	53	56
Caribbean	37	43	44	52	59	63	85	90	101	88	75	58
South America	29	54	13	18	91	5	48	53	84	64	15	24
Europe	126	176	141	87	102	112	180	159	152	155	153	158
European Union	87	132	107	62	76	78	137	112	99	81	86	94
Other West Europe	35	41	33	25	25	34	40	45	47	48	35	42
Asia and Oceania	399	401	338	306	256	379	394	303	185	178	249	414
Japan	1	1	0	0	0	0	0	0	1	1	1	250
Middle East	297	316	296	263	231	307	353	273	163	164	234	153
Iraq	110	115	147	156	113	167	174	111	0	0	0	0
Saudi Arabia	143	159	127	84	78	98	87	76	87	83	110	92
Turkey	9	3	5	9	12	18	34	48	40	50	58	13
Africa	224	190	134	109	87	117	136	143	124	140	134	129
Sub-Saharan	221	184	131	106	83	116	130	125	110	138	127	123

¹Data are presented on a U.S. marketing year (August-July) basis.
Source: U.S. Department of Commerce, Bureau of the Census.

Appendix table 14--Milled-equivalent volume of U.S. rice exports, by region¹

Region	1982/ 83	1983/ 84	1984/ 85	1985/ 86	1986/ 87	1987/ 88	1988/ 89	1989/ 90	1990/ 91	1991/ 92	1992/ 93	1993/ 94
	1,000 metric tons											
World	2,218	2,270	1,960	1,880	2,715	2,291	2,786	2,532	2,300	2,113	2,442	2,523
Western Hemisphere	296	373	240	351	772	317	593	759	864	800	716	650
Canada	101	94	98	83	64	83	89	108	125	132	138	137
Latin America	195	279	142	269	708	234	504	650	739	668	578	513
Mexico	0	0	0	1	1	1	57	215	86	119	199	172
Caribbean	76	90	97	150	241	177	234	250	281	235	245	183
South America	88	166	38	104	450	25	159	170	299	211	55	75
Europe	314	461	409	221	456	362	567	466	469	447	544	487
European Union	224	363	331	158	361	264	437	335	312	238	317	284
Other West Europe	12	12	3	3	3	0	10	8	23	35	49	32
Asia and Oceania	991	926	802	858	1,068	1,084	1,132	809	519	425	677	934
Japan	2	1	1	1	0	1	1	1	1	2	1	508
Middle East	659	658	676	715	945	824	995	723	450	392	941	398
Iraq	279	275	380	456	527	433	521	319	0	0	0	0
Saudi Arabia	279	286	241	174	215	220	182	160	200	170	233	181
Turkey	23	10	12	33	71	77	116	138	136	142	189	57
Africa	617	511	509	449	420	528	494	499	447	440	505	452
Sub-Saharan	607	492	497	440	398	518	474	438	405	434	481	433

¹Data are presented on a U.S. marketing year (August-July) basis.

Source: U.S. Department of Commerce, Bureau of the Census.

Appendix table 15--Unit-value of U.S. rice exports, by region¹

Region	1982/ 83	1983/ 84	1984/ 85	1985/ 86	1986/ 87	1987/ 88	1988/ 89	1989/ 90	1990/ 91	1991/ 92	1992/ 93	1993/ 94
	Dollars per cwt (of product weight)											
World	382	389	354	315	218	310	316	335	308	335	295	352
	390	394	413	286	201	345	317	337	302	306	277	311
Western Hemisphere												
Canada	411	444	416	395	340	421	367	371	392	416	375	412
Latin America	378	377	411	253	189	318	308	331	288	287	255	286
Mexico	516	483	466	258	314	384	349	333	271	257	220	267
Caribbean	487	475	443	338	237	335	344	344	343	362	299	304
South America	323	327	350	145	166	203	284	310	240	243	246	295
Europe	379	336	305	377	211	291	296	324	309	336	265	312
European Union	362	311	280	365	196	274	288	315	299	323	247	310
Other West Europe	442	460	431	404	270	340	327	351	339	387	335	358
Asia and Oceania	392	426	421	350	239	349	346	373	349	416	364	437
Japan	417	425	370	393	433	345	464	421	441	546	924	481
Middle East	449	480	437	368	244	372	352	375	359	417	363	381
Iraq	392	418	384	343	215	385	332	350	---	---	---	---
Saudi Arabia	514	557	526	480	364	445	476	474	435	489	475	505
Turkey	414	338	398	281	163	230	289	337	291	351	302	225
Africa	362	369	263	242	206	222	274	281	271	315	264	285
Sub-Saharan	363	373	264	241	207	223	273	281	269	315	262	282

-- Not available.

¹Data are presented on a U.S. marketing year (August-July) basis. Unit-values are calculated using product weight, not milled-equivalent weight.

Source: U.S. Department of Commerce, Bureau of the Census.

SUMMARY OF REPORT #AER-706

The 1995 Farm Bill

**Cotton Program Has Been Successful,
but Costly for the Taxpayers**

April 1995

Contact: Edward H. Glade, Jr., (202) 501-8551

The current government program for cotton has worked well in encouraging production and consumption and stabilizing farm income, but at a relatively high cost to the taxpayers. This is one of the conclusions found in ***Cotton: Background for 1995 Farm Legislation***, a new report from USDA's Economic Research Service.

Direct government payments to producers totaled only \$260 million in 1994/95, a boom year for cotton, but averaged about \$1.1 billion annually during 1986-93. Direct payments accounted for 21 percent of cotton gross farm income during the 1986-93 period. Gains from marketing loans are not included in direct payments.

Of major concern during the farm legislation debate this year will be budget considerations and how to most effectively target programs with declining appropriations. Conservation and environmental requirements also will most likely be incorporated into the legislation. And the anticipated benefits of the North American Free Trade Agreement (NAFTA) and the Uruguay Round agreement of the General Agreement on Tariffs and Trade (GATT) on the U.S. cotton sector will also affect policy proposals.

The U.S. cotton economy is highly dependent on domestic and foreign policies and programs, many of which are beyond the control of U.S. producers.

The cotton provisions of the 1990 Farm Act were designed to keep U.S. cotton competitive in world and domestic markets, and to maintain a better balance between production and total use by giving producers more flexibility to respond to market prices. The 1985 Farm Act originated most of the guiding principles and provisions of the current cotton program. The marketing loan program, introduced in the 1985 act, and the competitive adjustment procedures to make the marketing loan more effective, have supported the significant turnaround in the overall health of the U.S. cotton economy.

The U.S. Cotton Industry. Cotton production and offtake (mill use and exports) have increased sharply. Since 1980, total cotton production has varied from a low of 7.8 million bales in 1983 to a new record of about 19.5 million bales in 1994. Since 1991/92, annual cotton production has exceeded 15 million bales, the most in over 40 years. Total offtake has exceeded 15 million bales, representing a growth of over 50 percent in market demand. Also, large carryover stocks of cotton have been eliminated, and the specified carryover target has not been surpassed since 1988/89.

Cotton acreage has fluctuated since the early 1980's as acreage reduction programs were used to help balance supplies from year to year. Yields also have varied, but have trended upward during this period.

To Order This Report...

The information presented here is excerpted from ***Cotton: Background for 1995 Farm Legislation***, AER-706, by Edward H. Glade, Jr., Leslie A. Meyer, and Stephen MacDonald. The cost is \$9.00.

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