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SEPTEMBER 1970

RICE Situation



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Table 1.--Rice, rough equivalent: Supply, distribution and prices,
United States, average 1959-63, annual 1966-70 1/

Item	Year beginning August					
	1959-63: average:	1966	1967	1968	1969 <u>2/</u>	1970 <u>2/</u>
	- - - - Million cwt. - - - -					
<u>Supply</u>						
Carryover August 1	10.2	8.2	8.5	6.8	16.2	16.4
Production	59.8	85.1	89.4	104.1	91.3	84.6
Imports	.3	<u>3/</u>	<u>3/</u>	<u>3/</u>	.2	<u>3/</u>
Total supply	70.3	93.3	97.9	110.9	107.7	101.0
<u>Domestic disappearance</u>						
Food <u>4/</u>	21.4	23.9	25.0	27.0	25.5	27.0
Seed	2.3	2.7	3.2	2.9	2.5	2.5
Used by brewers	4.5	5.3	5.4	5.8	7.1	7.0
Total	28.2	31.9	33.6	35.7	35.1	36.5
<u>Available for export and carryover</u>	42.1	61.4	64.3	75.2	72.6	64.5
<u>Total exports</u>	33.0	51.6	56.9	<u>5/</u> 56.2	54.9	
For dollars	(15.1)	(29.6)	(34.7)	(25.7)	(24.2)	
Total disappearance	61.2	83.5	90.5	91.9	90.0	
<u>Carryover July 31</u>	8.6	8.5	6.8	16.2	16.4	
Privately owned--"Free"	(5.7)	(8.3)	(6.7)	(9.9)	(10.0)	
Total distribution	69.8	92.0	97.3	108.1	106.6	
<u>Difference unaccounted <u>6/</u></u>	+5	+1.3	+6	+2.8	+1.3	
	- - - - Dollars per cwt. - - - -					
<u>Price Support</u>						
National average loan rate	4.59	4.50	4.55	4.60	4.72	4.86
<u>Price Received by farmers</u>						
Season average	4.87	4.95	4.97	5.00	4.85	
<u>Farm price above support</u>	.28	.45	.42	.40	.13	

1/ Data apply to only major rice-producing States. Milled rice converted to rough basis at annual extraction rate. 2/ Preliminary. 3/ Less than 50,000 cwt. 4/ Includes shipments to U.S. territories and rice for military food use at home and abroad. 5/ Exports adjusted on basis of bills of lading presented to the U.S.D.A. for payment. 6/ Results from loss, waste, the variation in conversion factors, the lack of data on other uses and the different crop years for the two rice areas.

THE RICE SITUATION

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Approved by

The Outlook and Situation Board

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The next Rice Situation will
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SUMMARY

The rice supply for 1970/71 is below only the record levels of the last 2 years. A smaller 1970 acreage allotment reduced the crop about 7 million cwt. But the August 1970 carryover continued at the previous year's high level of 16 million cwt. With the smaller U.S. supply this year, little increase is likely in the carryover in August 1971. The large world supply and uncertainty about import requirements make it unlikely that exports will reach the level of recent years.

Domestic use declined slightly in 1969/70. Use by the brewing industry increased for the third straight year, nearly offsetting a reversal of the long-time uptrend in food use of rice. In 1970/71, food use is expected to resume its uptrend and brewing use may remain at a high level. Thus, total domestic use in 1970/71 may rise again.

Exports, off somewhat in 1969/70, were still the third largest of record. Food aid shipments showed little change from the high level of 1968/69. Commercial exports turned down due to increased competition from Thailand and other countries. World rice prices in the summer of 1970 were well below a year earlier as a result of smaller world trade and greater availability of exportable supplies. They have strengthened slightly since June but continue at a low level.

U.S. commercial exports in 1970/71 will again depend on the level of exportable supplies in Southeast Asia. Thailand and Burma recently indicated continued large acreages which, with normal weather, point to **repeated large** crops. U.S. food aid shipments will again depend largely on import requirements of aid recipients.

Farmers used the price support loan program extensively in 1969/70 and may do

so again this year. The season average farm price in 1969/70 was \$4.85 per cwt., only 13¢ above the national average loan.

In 1970/71 the loan is \$4.86 and the farm price is likely to average above the loan by at least a similar amount.

THE SITUATION EARLY IN 1970/71

Supply Continues Heavy

The supply of rice is estimated at 101.0 million cwt. (rough rice equivalent as are all data in this section). This is below the records of the last 2 years but still large when viewed historically (table 1). The August 1, 1970, carry-over of 16.4 million cwt. was virtually the same as a year earlier.

The 1970 crop is currently estimated at 84.6 million cwt., off about 7 million from 1969 but the sixth largest of record. The 7% decline in the crop was due to the smaller acreage allotment and its effect on harvested acreage, since yields per acre are up.

The yield per harvested acre, indicated at 4,675 pounds, represents an upturn after 2 years of decline. Yield is well above the record of 4,537 pounds established in 1967.

Imports, while not large, in 1969/70 showed their first increase in 4 years. In 1970/71, they could remain at last year's level but would still not significantly affect the total supply.

Uptrend in Domestic Use To Continue

Total domestic use of rice in 1970/71 is expected to resume the uptrend of recent years. It totaled 35.1 million cwt. in 1969/70, down slightly from a year earlier. The expansion in brewers use of rice was not enough to offset the sharp drop in food use. Brewers in 1969/70 used the largest quantity of rice on record. Larger supplies of broken rice and

more competitive prices have been important factors in the sharp increase in brewers use of rice. In 1970/71, this level of useage is likely to be approached again. Food use at 25.5 million cwt. was off 1.5 million from 1968/69. By contrast it jumped sharply in that year reaching 27 million cwt. compared with 25 million in 1967/68. In 1970/71 the uptrend in rice used for food may again be evident and total domestic use may reach 37 million cwt. Year to year fluctuations in food use of rice result partly from its determination as a residual in the supply-disappearance tables. There is little evidence that U.S. average per capita consumption of rice is appreciably affected by price or competition from other foods when reviewed on a national basis.

Exports Hold At Recent Levels

Exports in 1969/70 were off a bit from the record levels of the preceding 2 years but above earlier years. In 1970/71, they will continue to face large supplies in the Southeast Asian exporting countries of Burma and Thailand. Japan continues to hold large stocks, inhibiting its imports and turning that nation into an exporter. Thus, U.S. exports will depend largely on development of the 1970 crop in Thailand and Burma and the import needs of the major food aid recipients of Asia.

U.S. exports to Indonesia totaled 11 million cwt. of rice in fiscal year 1970. Indonesia's large purchases of U.S. rice have done little more than offset smaller shipments to Vietnam. That country purchased 17 million cwt. in fiscal year 1970, this was below the 21 million received in 1966/67.

Carryover Could
Increase

Even with the smaller supply in 1970/71 it appears likely that the carryover will remain large. Only if exports

should reach the levels of the past 3 years would carryover be cut. Thus, even with the small increase anticipated in domestic use in 1970/71 the outlook for a change in carryover continues to hinge on export prospects.

PRICES AND GOVERNMENT PROGRAMS

The loan program was used extensively in 1969/70 when some 22 million cwt. of rice were placed under loan. In 1970/71, loan activity may continue heavy. With total disappearance in 1969/70 about equaling the 1969 crop, almost all the rice under loan was redeemed with nearly 3 million cwt. moving to CCC. A year earlier CCC acquired 6.3 million cwt. (table 6).

The season average farm price in 1969/70 was \$4.85 per cwt., 13¢ over the national average loan. This was the

narrowest spread in several years. In 1970/71 the national average loan rate is \$4.86. Prices are likely to average above this level, possibly by a greater amount than that of a year earlier.

The 1970 program features an acreage allotment of 1.8 million acres, about 15% below that for 1969. The support level was initially set at \$4.81 per cwt. but was raised to \$4.86 per cwt. when the August 1970 parity price for rice rose to \$7.47.

WORLD RICE SITUATION AND OUTLOOK 1/

Rice Economy Adjusts
To Increasing Supplies

During 1969 the world rice economy continued its adjustment to the world rice shortage in 1967 and the resulting production and price responses. The continued widespread uptrend in production in many exporting and importing countries held world trade to near the low 1968 level of 6.5 million metric tons, down from the 1966 high of 7.4 million tons. World prices continued downward but at a slower rate than during 1968.

The preliminary prospects for 1970 indicate a continued but more modest uptrend in world production. Persistent large exportable supplies will tend to edge world exports up from previous low levels but not by a large margin. A relatively low level of import demand and the tendency to move increasing amounts of rice on concessional terms will likely leave rice prices weak.

Rice Production Record
High in 1969

World rice production in 1969 reached a record of 194 million metric tons, about 5% over the previous year and up 11 million tons from the low 1967 level (excludes Communist Asia). Planted area increased slightly; the drop in North America and the almost stagnant status in Africa were

1/ Developed by James F. Keefer and Amjad Gill, Foreign Regional Analysis Division, ERS. Unless otherwise stated, production data are in terms of paddy rice and trade in terms of milled rice.

countered by increases in all other world areas.

World rice yield gained 4%. About 80% of the increase in world production was attributable to increased yields, mainly reflecting the planting of new varieties.

The North American crop at 5.2 million tons was down 10%. This was mostly attributable to a 12% drop in the U.S. crop, due to a cut in acreage allotment in concert with a weather oriented drop in yields.

South American production is estimated at 10 million tons, up 13% from 1968. Production in Brazil, which produces about 75% of the area's rice, increased 17%, due principally to better yields.

The European crop increased nearly 23%, reflecting equal percentage gains in Western and Eastern Europe. Italy's 35% gain accounted for most of the increase, overshadowing gains in the rest of Western Europe. All of the East European countries indicated larger production.

The Soviet Union, whose 1968 production was more than triple the 1961-64 average, experienced an increase of over 11% in 1969, exceeding the million-ton level. Both area and yield rose substantially.

Africa's rice production is estimated at 6.6 million tons, up nearly 5%. Largely responsible was an 8% increase in the UAR crop which accounts for over a third of the African output. Harvested area approximated the previous year's level, but yields increased.

The Asian crop of 168.8 million tons represented a gain of nearly 5%. Yields have risen as increased acreage has been planted to new high-yielding varieties. However, production was up less than 5% in most of the producing countries. Thailand, the major exception, experienced an increase of 8% mostly due to a gain in acreage. The Japanese crop was 3% lower than the bumper crops of previous years but still about 11% over the 1964-66 average.

In Oceania, Australia continued its general uptrend, exceeding 300,000 tons for the first time.

Production in Communist Asia, where Mainland China accounts for over 90% of the total output, approximated the previous year's low level, resulting in little if any improvement in rice exports.

Prospects for 1970

Early indications for the 1970 crop suggest that the uptrend in world production will continue, but perhaps at a slower rate. Most of the upward thrust in production is expected from the developing countries.

Continued large exportable stocks in many exporting countries are expected to edge world exports moderately upward in 1970 despite relatively weak import demand. The successful harvest of another record world rice crop may cause export prices, and perhaps farm prices in many producing countries, to experience continued downward pressure throughout the 1970/71 marketing year.

Generally favorable weather in Asia and continued plantings of high-yielding varieties with complementary inputs provided much of the optimism for advances in rice production.

Prospects for Major Exporters

Prospects for major world rice exporters are mixed. In the United States both production and exports are expected to drop in 1970. Continued production increases in most of the other major rice exporting countries are expected to retain their export levels at approximately the previous year's level. Unexpected crop failures in major trading countries could alter this situation.

The increase likely in Thailand's 1970 rice crop, to 14 million tons, could push its exports significantly beyond the million-ton level of the previous 2 years. However, keen competition from other exporters for a limited market could dampen this trade forecast.

Mainland China's rice crop could reach the high levels of the mid-1960's, exceeding the previous year's poor crop by several million tons. However, limited export markets and strong domestic demand are expected to keep exports at or below the million-ton level of recent years.

Burma has not released an official estimate of the 1970 crop; it may not change much from last year. The 1969 output was revised downward to less than 8 million tons, slightly under the good crop of 1968. Total exports for 1970 may not exceed 600,000 tons although stocks available for foreign markets have been estimated at a higher level. With significant stocks, and another average to good rice crop in 1970, exportable supplies could be near the million-ton level.

Taiwan, having produced a slightly smaller crop last year, is expecting a bumper crop of about 3.5 million tons in 1970. This production level, in concert with large stocks and weak export markets, will further aggravate Taiwan's rice situation. Early this year, Taiwan announced a policy of shifting rice acreages into more profitable crops.

Boosted by larger plantings of high-yielding varieties, Pakistan's rice production increased for the third consecutive year, reaching 20.6 million tons in 1969. The 1970 crop is expected to exceed 22 million tons with West Pakistan indicating a record crop. Production increases are mostly due to expanded acreage sown to high-yielding varieties. East Pakistan imports during 1970 are expected to increase substantially, possibly exceeding 300,000 tons. Thus, Pakistan is expected to again be a net importer.

Prospects for Major Importers

With generally good crops in prospect for 1970, import demand is expected to continue weak, especially in the commercial markets. However, there appears to be significant potential for increased consumption of rice in many importing countries if prices drop further and other than commercial purchases can be negotiated; both appear likely during the remainder

of 1970 and perhaps in 1971.

India, the free world's largest rice producer, may have another record crop in 1970, about 1.5 million tons greater than the 61.6 million of a year earlier. The increase is attributed to a substantial expansion of the area planted to improved varieties, more use of fertilizers and improved farming practices. Despite the uptrend in production, imports reached nearly 500,000 tons in 1969 and are expected to approximate 400,000 tons in 1970.

Ceylon, although indicating another record crop of about 1.5 million tons in 1970, is expected to boost its imports to near the 450,000 ton level. This will be up about 100,000 tons from recent years, reflecting the governments doubling of the "free" rice ration and the more favorable import arrangements with Mainland China and Burma.

In South Korea, increased plantings of high-yielding varieties and improved farming practices are expected to push the 1970 rice crop to a record of about 5.8 million tons, up nearly 4% over the previous year's good crop. Nevertheless, imports for 1970 are expected to exceed 550,000 tons, only 100,000 less than the previous year's high. Large supplies available from Japan on concessional terms have supported Korea's import level and could raise it substantially should Korea's 1970 crop fall short.

South Vietnam's prospects are still too preliminary to forecast but the area planted to the new high-yielding varieties in 1970 is believed to exceed 1 million acres up 150% over last year. Assuming favorable weather and marketing conditions, the 1970 crop should exceed the previous year's 5 million ton level. However, uncertainty about final output, among other things, will cause 1970 imports to exceed last year's level and approximate 600,000 tons.

Indonesia's 1970 crop now estimated at about 16.7 million tons, is up less than 900,000 tons from last year's good harvest. The area planted to rice is up slightly. Better yields are expected due to wider use of improved varieties. Although rice

imports were under 600,000 tons in 1969, this year they may approximate a million tons, including carryover purchases from last year.

The Philippines formally a major importer continues to be self sufficient in rice. The current official estimate of the 1969 rice crop is about 5 million tons, 12% above the previous year. Estimates for the 1970 crop are still unclear but it could equal last year's, given favorable weather. It appears that the major impact of the high-yielding varieties has been achieved and that high fertilizer prices, despite reasonable rice prices and improved irrigation, may weaken the uptrend in rice production. The country did not import rice during the last 3 crop years nor is it expected to import during 1970, barring 1970 crop reverses.

The Japanese Rice Outlook

Developments in the Japanese rice economy highlight world rice prospects for 1970. Three bumper crops in a row have pushed stocks to the burdensome level of about 7 million tons (milled basis). As a result, Japanese imports in 1969 dropped below 100,000 tons while exports rose to a record 440,000 tons. With few immediate prospects of substantially reducing the excessive stock level, 1970 exports are expected to approximate 700,000 tons, mostly concessional sales.

Japan's government has acted to reduce the huge stock level and bring the domestic market into a desirable balance. Beginning with the 1970 crop, the Ministry of Agriculture and Forestry announced a 3 year plan to reduce the rice area by

10% each year with an ultimate reduction in annual production of about 1 million metric tons. In addition, the government has announced its intentions to purchase about 270,000 acres of rice cropland from farmers to be diverted from agriculture to public use, making possible the diversion of a total of 865,000 acres from the 1970 rice crop. The target is to reduce the 1970 crop by at least 1.5 million tons. Also the government support price for 1970 is only slightly above levels set for 1968 and 1969 but, at US\$306.34 per ton (paddy), is still 30% above the 1965 level.

The 1970 crop is now estimated at 15.9 million metric tons, about 1.6 million tons below the previous year's level, indicating a successful crop reduction program. However, total consumption of rice for food and feed for the year ending October 1970 is estimated at about 15.8 million tons. There is little hope for greatly expanding this level during 1971 unless the currently programmed conversion of rice to feed use is greatly increased.

To facilitate rice exports, Japan enacted a new food aid law in May 1970, similar to the U.S. Food For Peace Program. On June 24, 1970, the Japanese Food Agency signed the first agreement under the new law to ship 35,700 metric tons of milled rice to Indonesia at an average price of US\$140 per ton (FOB). The agreement provided a 30-year repayment period and with 10 years grace. With total rice exports for 1970 estimated at 700,000 tons, Japan will likely remain a net rice exporter during the early 1970's, perhaps approximating the 500,000 ton level for several years.

Table 2.--Rice, rough and milled: Supply and distribution, U.S., average 1959-63, annual 1965-69

Rough Rice	Year beginning August					
	Average 1959-63	1965	1966	1967	1968	1969 <u>1/</u>
	----- 1,000 cwt. -----					
Beginning carryover	6,204	4,905	5,480	6,197	3,459	12,492
Farm Production	59,750	76,281	85,020	89,379	104,075	91,303
Supply	65,954	81,186	90,500	95,576	107,534	103,795
Seed	2,280	2,702	2,688	3,235	2,926	2,493
Exports	218	169	161	205	189	197
Used by mills	57,202	70,595	80,210	88,116	89,086	86,544
Total disappearance	59,700	73,466	83,059	91,556	92,201	89,234
Ending carryover	5,827	5,480	6,197	3,459	12,492	13,214
Statistical discrepancies <u>2/</u>	+427	+2,240	+1,244	+561	+2,841	+1,347
	----- 1,000 cwt. -----					
Milled Rice	Average 1959-63	1965	1966	1967	1968	1969 <u>1/</u>
	----- 1,000 cwt. -----					
Beginning carryover	2,807	1,995	1,991	1,684	2,418	2,723
Mill production	40,787	50,942	58,382	64,080	65,240	62,349
Imports	213	482	6	5	8	159
Supply	43,807	53,419	60,379	65,769	67,666	65,231
Food						
Shipments to territories	2,957	2,752	2,764	2,605	3,130	3,324
Used by military	121	82	100	148	150	255
Civilian consumption	12,177	14,068	14,571	15,431	16,448	14,875
Total food	15,255	16,902	17,435	18,184	19,728	18,454
Used by brewers	3,202	3,391	3,828	3,952	4,215	5,089
Exports	23,403	31,135	37,432	41,215	3/41,000	39,360
Total disappearance	41,860	51,428	58,695	63,351	64,943	62,903
Ending carryover	1,947	1,991	1,684	2,418	2,723	2,328
Per capita civilian Consumption (pounds)	6.7	7.3	7.5	7.8	8.3	7.4

1/ Preliminary.

2/ Results from loss, waste, the variation in conversion factors, the lack of data on other uses, and the different crop years for the two rice areas.

3/ Milled Rice exports adjusted on basis of bills of lading presented to the U.S.D.A. for payment.

Table 3.--Rice: Acreage, yield and production, by States, 1969 and 1970

State	Acreage				Yield per		Production	
	Planted ^{1/}		Harvested ^{1/}		harvested		acre	
	1969	1970	1969	1970	1969	1970	1969	1970
	-- 1,000 acres --				-- Pounds --		-- 1,000 cwt. --	
Southern States:								
Missouri	5.6	4.8	5.4	4.6	4,600	4,400	248	202
Mississippi	61	52	60	51	4,200	4,400	2,520	2,244
Arkansas	520	442	515	438	4,800	4,800	24,720	21,024
Louisiana	613	521	611	519	3,400	4,000	20,774	20,760
Texas	550	468	548	466	3,950	4,900	21,646	22,834
Total Southern	1,749.6	1,487.8	1,739.4	1,478.6	4,019	4,539	69,908	67,064
California	391	332	389	331	5,500	5,300	21,395	17,543
Total United States ^{3/}	2,140.6	1,819.8	2,128.4	1,809.6	4,290	4,675	91,303	84,607

^{1/} Preliminary.

^{2/} Indicated September 1, 1970.

^{3/} Total U.S. acreage and production reported by the Statistical Reporting Service. Excludes acreage and production in the minor southern States.

Table 4.--Rice, U.S.: Rough Milled, Total milled production and yields 1965-69

Year beginning August	Rough Milled	Milled Production			
		Total Milled	Milling Yield	Total Heads ^{1/}	Milling Yield
		Pounds		Pounds	
	-- 1,000 cwt. --	-- per cwt. --	-- 1,000 cwt. --	-- per cwt. --	
1965	70,594.6	50,377.3	71.36	42,862.2	60.72
1966	80,209.8	58,381.6	72.79	49,903.2	62.22
1967	88,115.7	64,079.7	72.72	54,405.5	61.74
1968	89,086.4	65,240.1	73.23	55,771.2	62.60
1969 ^{2/}	86,544.3	62,255.2	71.93	53,138.3	61.40

^{1/} Includes brown rice. ^{2/} Preliminary.

Data compiled by Commodity Programs Division, ASCS.

Table 5.--Rice milled: U.S. domestic donations by type of outlet, 1960-69 ^{1/}

Year beginning July	Schools	Institutions	Needy Persons	Total
				-- 1,000 cwt. --
1960	219	84	864	1,167
1961	222	81	1,110	1,413
1962	219	74	943	1,236
1963	250	89	1,016	1,355
1964	256	97	951	1,304
1965	307	91	807	1,205
1966	306	90	667	1,063
1967	312	77	607	996
1968	318	78	651	1,047
1969 ^{2/}	346	71	715	1,132

^{1/} U.S.D.A. donations include approximately 300,000 cwt. shipped annually to the territories and Puerto Rico under the donation program. ^{2/} Preliminary.

Table 6.--Rice, rough equivalent: Support rates with comparisons, quantity pledged and delivered to Commodity Credit Corporation, stocks owned by CCC, and loans outstanding, 1955-69

Crop of	Season average price			Placed under price support			At year end July 31					
	per cwt. received			by farmers 1/			Deliv- ered to CCC	CCC stocks and loans			Privately held ("free") stocks	
	average	rate	per cwt.	Actual	Above support	Loans		Purchase agreements	Total	Stocks owned by CCC 2/		Under loan 2/
	Dollars						1,000 cwt.					
1955	4.66	4.81	.15	15,557	10,703	26,260	23,475	34,618	27,062	312	27,374	7,244
1956	4.57	4.86	.29	13,304	10,423	23,727	16,771	19,956	12,507	48	12,555	7,401
1957	4.72	5.11	.39	6,977	6,590	13,567	11,007	18,169	12,003	9	12,012	6,157
1958	4.48	4.68	.20	8,306	3,280	11,586	6,575	15,669	9,421	34	9,455	6,214
1959	4.38	4.59	.21	9,369	2,935	12,304	7,034	12,144	6,864	3	6,867	5,277
1960	4.42	4.55	.13	7,825	5,280	13,105	4,876	10,080	4,124	8	4,132	5,948
1961	4.71	5.14	.43	4,292	2,081	6,373	34	5,329	314	---	314	5,015
1962	4.71	5.04	.33	5,602	6,622	12,224	1,841	7,730	1,852	8	1,860	5,870
1963	4.71	5.01	.30	5,884	4,139	10,023	771	7,539	1,435	---	1,435	6,104
1964	4.71	4.90	.19	7,629	3/99	7,728	787	7,677	1,041	3	1,044	6,633
1965	4.50	4.93	.43	9,813	184	9,997	403	8,239	614	7	621	7,618
1966	4.50	4.95	.45	14,362	5	14,367	119	8,511	140	92	232	8,279
1967	4.55	4.97	.42	16,352	2	16,354	39	6,784	82	4	86	6,698
1968	4.60	5.00	.40	23,640	662	24,302	6,319	16,210	6,087	238	6,325	9,885
1969 4/	4.72	4.85	.13	22,684	---	22,684	1,163	16,403	6,407	10	6,417	9,986

1/ U.S. season average prices are the result of weighting State season averages, including allowance for unredeemed loans at the average rate, by estimated marketings. 2/ May include small quantities of new-crop rice in last few years. 3/ Beginning 1964, new concept included only direct purchases. 4/ Preliminary.

Table 7.--Rice: Loan activity and CCC acquisitions by states, 1969 crop as of August 31, 1970

State	Placed under loan			Loans redeemed			Remaining under loan	Delivered to CCC
	Farms	Warehouses	Total	Farms	Warehouses	Total		
	Dollars			1,000 cwt.				
Arkansas	1,456	10,379	11,835	1,319	10,142	11,461	5	370
Louisiana	1,326	549	1,875	1,326	549	1,875	---	---
Texas	2,166	4,298	6,464	2,080	3,730	5,810	7	647
Mississippi	1,023	60	1,083	969	60	1,029	---	55
South	5,971	15,286	21,257	5,694	14,481	20,175	12	1,072
California	48	1,378	1,426	46	1,288	1,334	---	92
United States 1/	6,019	16,665	22,684	5,740	15,768	21,508	12	1,163

1/ Totals may not add due to independent rounding.

Table 8.--Rice: Prices at Thailand by months, white - 5% broken f.o.b. Bangkok, 1967-70

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Apr.	May	June
	Dollars per metric ton											
1967	241.00	235.00	252.00	252.00	241.00	221.00	227.00	229.80	227.40	215.52	204.60	198.00
1968	200.16	196.00	193.44	180.96	175.20	178.20	180.24	178.80	185.40	183.60	190.80	197.76
1969	198.60	188.40	186.68	185.40	186.00	178.56	154.20	151.20	143.04	139.20	134.20	141.60
1970	142.80											

Source: Prepared by Foreign Development and Trade Division, from monthly Bulletins of Agricultural Economics and Statistic, F.A.O.

Table 9.--Rice: Value factors for computing support rates, U.S. average support rate, and parity rate, 1966-70

Group and Variety	1966	1967	1968	1969	1970
			by type of grain	by type of grain	by type of grain ^{1/}
			Cents per lb.		
Head Rice					
I Patna (except Belle Patna and Century Patna), and Rexoro (except Rexark)	8.92	8.93	8.12 (Long)	8.21 (Long)	8.38 (Long)
II Bluebonnet, Belle Patna, Vegold, Nira, Rexark, Bluebelle and Dawn	8.32	8.33	8.12 (Long)	8.21 (Long)	8.38 (Long)
III Century Patna, Toro, Fortuna, Rex Nira, and Edith	7.32	7.33	8.12 (Long)	8.21 (Long)	8.38 (Long)
IV Blue Rose (including Improved Blue Rose, Greater Blue Rose, Kamrose and Arkrose), Calrose, Gulfrose, Lacrosse, Magnolia, Nato, Northrose, Nova, Zenith (including Gold Zenith and Gold Rose), Prelude, Lady Wright, and Saturn	6.82	6.83	6.92 (Medium)	7.21 (Medium)	7.38 (Medium)
V Pearl, Early Prolific, Calady and other varieties	6.77	6.78	6.87 (Short)	7.16 (Short)	7.33 (Short)
Broken Rice	3.80	3.81	4.00	4.00	4.20
			Dol. per cwt.		
U.S. average support rate	4.50	4.55	4.60	4.72	4.86
Parity for price support ^{2/}	6.85	6.87	6.92	7.26	7.47
			Percent		
Support rate as percent of parity	65.7	66.2	66.5	65.0	65.1

^{1/} The method of computing 1970 crop rough rice basic support rates is the same as that used in prior rice programs except that under the new rice standards rice is classified by size and shape of kernel rather than variety. The basic support rates are applicable to No. 2 rice and will be adjusted by the following premium and discounts for U.S. grades per cwt.: No. 1 premium of 10 cents; No. 3, discount of 15 cents; No. 4, discount of 30 cents; and No. 5, discount of 50 cents. The premium and discounts are unchanged from 1969. A further discount for location, to adjust for transportation costs of moving the rough rice to an area where competitive milling facilities are available will also be made for rice produced in certain areas.

^{2/} Mid-July parity price which is legal parity for August.

Table 10.--Rice: Average price received by farmers and parity price. United States, 1960-69

Year beginning August	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
Dollars													
Price per 100 pounds received by farmers for rough rice 1/													
1960	4.30	4.31	4.62	4.98	4.83	4.93	4.95	5.13	4.93	4.77	4.87	4.86	4.55
1961	4.71	4.91	5.20	5.39	5.30	5.39	5.48	5.70	5.60	5.48	5.26	5.08	5.14
1962	4.68	4.73	5.12	5.19	5.19	5.28	5.18	5.21	5.18	5.05	5.08	5.14	5.04
1963	4.97	4.94	5.01	5.03	4.96	5.08	5.14	5.17	5.25	5.20	5.10	5.03	5.01
1964	4.82	4.72	4.88	4.99	5.02	5.13	5.09	5.18	5.12	4.97	4.97	4.93	4.90
1965	4.81	4.85	4.94	4.93	5.09	2/5.20	5.15	5.15	5.12	5.09	5.08	5.14	4.93
1966	5.03	4.86	5.03	5.02	5.12	5.16	5.15	5.13	5.13	5.18	5.17	5.04	4.95
1967	4.74	4.74	5.08	5.04	5.08	5.16	5.32	5.36	5.37	5.34	5.37	5.33	4.97
1968	5.06	4.92	5.03	5.09	4.92	4.72	4.84	4.80	4.78	4.90	4.80	4.50	5.00
1969 3/	4.47	4.81	4.94	5.00	4.93	4.98	4.93	5.00	4.98	4.96	5.08	4.79	4.85
Parity price per 100 pounds, for rough rice													
1960	5.90	5.90	5.88	5.88	5.90	6.02	6.04	6.04	6.04	6.04	6.00	6.00	6.00
1961	6.02	6.02	6.02	6.02	6.04	6.20	6.22	6.22	6.22	6.24	6.22	6.22	6.22
1962	6.22	6.26	6.26	6.26	6.28	6.44	6.44	6.42	6.44	6.44	6.44	6.44	6.46
1963	6.44	6.44	6.44	6.44	6.42	6.35	6.35	6.35	6.37	6.35	6.35	6.35	6.33
1964	6.35	6.35	6.33	6.35	6.35	6.50	6.52	6.52	6.56	6.62	6.62	6.62	6.62
1965	6.58	6.58	6.60	6.60	6.64	6.70	6.74	6.79	6.83	6.83	6.83	6.85	6.85
1966	6.87	6.91	6.91	6.91	6.91	6.77	6.75	6.77	6.79	6.81	6.83	6.87	6.87
1967	6.83	6.85	6.87	6.85	6.87	6.75	6.79	6.82	6.88	6.90	6.90	6.92	6.92
1968	6.90	6.94	6.98	7.00	7.02	7.08	7.12	7.20	7.25	7.26	7.28	7.26	7.26
1969 3/	7.24	7.26	7.29	7.31	7.33	7.35	7.41	7.41	7.45	7.45	7.49	7.47	7.47

1/ Monthly State prices are weighted by estimated sales for the month. U. S. marketing-year prices are the result of weighting State season average prices, including an allowance for unredeemed loans, by estimated marketings.

2/ Beginning January 1966 California is excluded in the monthly averages but is included in the U. S. season average.

3/ Preliminary.

Table 11.--Rice: Monthly average price at Southwest Louisiana, 1963-69

Year beginning August	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
Dollars													
Milled, long-grain Second Head, per 100 pounds, bagged 1/													
1963	5.80	6.00	6.00	--	--	6.00	6.00	6.15	6.15	6.00	6.00	6.00	6.00
1964	5.75	5.65	5.75	5.90	5.95	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.85
1965	5.70	5.70	5.75	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.85
1966	5.85	5.75	5.75	5.75	5.75	5.75	5.75	5.95	6.00	6.00	6.00	6.00	5.85
1967	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1968	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1969	6.00	5.95	5.75	5.75	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80
Milled, medium-grain Second Head, per 100 pounds, bagged 1/													
1963	5.80	6.00	6.00	--	--	6.00	6.00	6.05	6.00	6.00	6.00	6.00	6.00
1964	5.75	5.65	5.75	5.90	5.95	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.85
1965	5.70	5.65	5.75	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.85
1966	5.85	5.75	5.75	5.75	5.75	5.75	5.75	5.95	6.00	6.00	6.00	6.00	5.85
1967	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1968	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1969	6.00	5.95	5.75	5.75	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80
Rice Bran, f.o.b. mills, per ton 2/													
1963	34.15	31.30	36.40	39.55	42.20	43.20	35.50	30.00	29.50	29.40	30.00	32.50	34.45
1964	31.80	30.00	31.75	34.40	41.45	42.40	40.65	37.20	34.15	33.50	35.30	35.00	35.65
1965	36.40	37.00	37.50	37.10	38.50	40.80	42.25	43.25	43.25	39.50	34.90	35.15	38.80
1966	38.00	38.30	39.10	43.25	47.75	47.70	46.25	42.25	35.50	34.40	40.25	40.20	41.10
1967	39.75	31.75	34.00	34.00	36.90	38.60	32.70	31.50	31.00	30.00	30.60	31.00	33.50
1968	32.00	25.10	25.00	25.50	33.40	35.50	35.50	35.50	33.90	24.50	21.20	21.50	29.05
1969	22.50	24.30	30.00	32.75	35.50	39.00	39.50	34.10	30.50	27.50	28.50	28.50	31.05
Rice Millfeed, f.o.b. mills, per ton, bagged													
1963	16.65	17.00	17.10	18.20	20.75	21.65	18.15	17.90	15.40	14.25	14.00	15.00	17.15
1964	15.25	15.50	15.50	15.50	16.25	17.50	18.25	16.90	16.15	15.00	15.00	15.00	16.00
1965	15.00	15.25	15.50	15.50	16.90	17.30	17.50	17.50	17.50	17.25	17.00	17.00	16.60
1966	17.40	18.00	18.10	19.50	22.15	23.60	23.65	19.90	16.90	17.20	17.00	17.00	19.20
1967	17.75	17.50	18.80	18.50	19.00	19.20	18.90	18.50	17.40	14.75	16.00	16.60	17.75
1968	17.00	16.30	15.50	15.75	17.50	18.00	19.50	21.00	19.90	15.50	15.50	15.50	17.25
1969	15.50	15.50	18.00	19.75	21.50	28.00	28.00	22.70	18.50	16.00	16.40	18.25	19.85

1/ U.S. No. 4 or better at southern mills.

2/ Beginning July 1968, prices quoted as bulk. Prior to July 1968, prices are bagged.

Table 12.--Rice, rough: Price per 100 pounds received by farmers, by States, 1961-69 1/

Year beginning August	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average 2/
----- Dollars -----													
Arkansas													
1961	4.85	4.75	5.15	5.25	5.35	5.45	5.55	5.55	5.55	5.55	5.55	---	5.20
1962	---	4.75	5.20	5.40	5.40	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.10
1963	4.75	4.75	5.00	5.10	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	4.92
1964	5.20	4.65	4.85	5.10	5.20	5.10	5.10	5.10	5.10	5.10	5.10	5.10	4.87
1965	---	4.40	4.95	5.10	5.15	5.10	5.10	5.10	5.10	5.10	5.10	5.10	4.98
1966	5.15	4.45	4.90	5.05	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	4.80
1967	5.00	4.80	5.30	5.20	5.20	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.12
1968	5.30	4.75	4.90	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.07
1969 3/	5.20	4.75	5.00	5.30	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.05
Louisiana													
1961	4.70	4.95	5.40	5.50	5.50	5.60	5.70	5.80	5.80	5.60	5.40	5.20	5.28
1962	4.65	4.65	4.95	5.10	5.15	5.30	5.10	5.00	5.00	4.80	4.90	4.80	4.88
1963	4.90	4.90	4.95	4.90	4.90	5.00	5.10	5.20	5.30	5.20	5.00	4.65	4.95
1964	4.65	4.75	4.90	4.90	5.10	5.10	5.10	5.20	5.30	5.00	5.00	4.70	4.84
1965	4.60	4.70	4.80	4.80	5.10	5.10	5.10	5.10	5.00	5.00	5.00	5.00	4.79
1966	4.60	4.70	4.90	5.00	5.10	5.10	5.10	5.00	5.00	5.10	5.10	4.90	4.80
1967	4.65	4.70	4.75	5.00	5.20	5.30	5.40	5.50	5.50	5.50	5.50	5.40	4.91
1968	4.80	4.75	4.85	5.00	5.00	4.95	5.10	4.85	4.80	4.65	4.55	4.40	4.83
1969 3/	4.50	4.75	4.70	4.90	4.85	4.85	4.85	4.70	4.75	4.85	5.00	4.65	4.70
Mississippi													
1961	5.00	5.00	5.10	4.90	4.95	5.40	5.50	5.50	5.50	5.30	5.30	---	5.38
1962	---	4.80	4.90	5.05	5.20	5.40	5.40	5.40	5.30	5.30	---	---	5.25
1963	---	4.85	4.80	5.00	5.00	5.10	5.30	5.40	5.40	5.40	5.30	---	5.24
1964	---	4.80	5.10	5.10	5.20	5.30	5.30	5.30	5.20	5.10	5.10	5.10	5.20
1965	---	4.80	4.90	4.90	4.90	5.20	5.20	5.20	5.20	5.10	5.10	---	5.06
1966	4.90	4.80	4.80	4.80	4.90	5.10	5.10	5.10	5.20	5.20	5.20	5.20	4.90
1967	---	5.20	5.40	5.20	5.20	5.40	5.30	5.40	5.40	5.30	5.40	5.50	5.34
1968	---	---	5.20	5.20	5.10	5.20	5.40	5.40	5.20	5.20	5.20	5.20	5.20
1969 3/	5.20	4.90	5.20	5.30	5.30	5.40	5.20	5.40	5.30	5.30	5.30	5.30	5.30
California													
1961	4.48	4.49	4.67	4.74	4.78	4.81	4.81	4.81	4.81	4.81	4.81	4.81	4.78
1962	4.81	4.81	5.12	5.12	5.12	5.10	5.10	5.10	5.11	5.12	5.11	5.09	5.11
1963	5.10	5.12	5.07	5.07	5.07	5.06	5.07	5.07	5.07	5.07	5.07	5.06	5.07
1964	5.06	5.06	---	4/4.80	4/4.80	4.91	4.92	4.92	4.92	4.92	4.92	4.91	4.92
1965	4.91	4.92	---	4/5.00	4/5.00	---	---	---	---	---	---	---	4.88
1966	---	---	---	---	---	---	---	---	---	---	---	---	4.30
1967	---	---	---	---	---	---	---	---	---	---	---	---	4.84
1968	---	---	---	---	---	---	---	---	---	---	---	---	5.15
1969 3/	---	---	---	---	---	---	---	---	---	---	---	---	4.80
Texas													
1961	4.75	5.00	5.20	5.70	5.40	5.50	5.70	6.10	6.10	6.00	5.70	5.50	5.31
1962	4.70	4.80	5.10	5.20	5.20	5.20	5.10	5.20	5.00	5.00	5.00	5.20	5.03
1963	5.10	5.10	5.10	5.10	4.90	5.10	5.10	5.10	5.30	5.30	5.20	5.20	5.09
1964	5.00	4.75	4.90	5.00	4.90	5.20	5.10	5.30	5.10	4.80	4.80	5.00	4.94
1965	5.00	5.00	4.95	4.95	5.10	5.30	5.20	5.20	5.20	5.20	5.20	5.30	5.04
1966	5.40	5.00	5.00	5.00	5.10	5.20	5.20	5.20	5.20	5.20	5.20	5.00	5.10
1967	4.80	4.70	4.75	5.00	4.90	5.00	5.30	5.30	5.30	5.30	5.30	5.30	4.94
1968	5.30	5.10	5.00	5.10	4.60	4.30	4.30	4.30	4.30	4.50	---	4.40	4.97
1969 3/	4.40	5.00	4.90	4.80	4.80	4.80	4.75	4.85	4.90	4.75	4.75	4.75	4.75

1/ Monthly State prices are weighted by estimated sales for the month. 2/ Include allowances for unredeemed loan and purchase agreement deliveries valued at the average rate. 3/ Preliminary. 4/ Excludes sales through cooperatives and any adjustment on open contracts.

Note: United States prices are shown in table 10.

Table 13.--Rice, Milled U.S. No. 2: Average price per 100 pounds of Southern head rice at milling centers, by months, 1960-69

Class and year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Ave.
----- Dollars -----													
Long Grain	Houston, Texas, Milled Rice, No. 2 Bluebonnet, f.o.b. mills, per cwt., bagged 1/												
1960	9.40	9.20	9.25	9.35	9.40	9.55	9.60	9.65	9.80	9.80	9.80	9.70	9.55
1961	9.60	9.80	10.10	10.10	10.10	10.20	10.40	10.50	10.50	10.50	10.50	10.45	10.25
1962	10.10	9.45	9.75	9.90	10.05	10.10	10.15	10.15	10.15	10.00	10.15	10.15	10.00
1963	10.15	10.15	10.15	10.15	10.15	10.20	10.25	10.35	10.50	10.50	10.50	10.50	10.30
1964	10.15	10.05	10.05	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15
1965	10.05	9.65	9.80	10.00	10.00	10.10	10.15	10.15	10.15	10.15	10.15	10.15	10.05
1966	10.05	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.10	10.05	10.00	9.90	10.00
1967	9.50	9.55	9.70	10.00	10.05	10.15	10.15	10.35	10.50	10.25	10.25	10.25	10.05
1968	9.95	9.50	9.60	9.75	9.75	9.75	9.75	9.75	9.90	10.00	10.00	10.00	9.80
1969 2/	9.75	9.75	9.75	9.80	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.90
Medium Grain	Milled Rice, No. 2, f.o.b. mills, per cwt., bagged 3/												
1960	7.95	7.65	7.60	7.70	8.10	8.25	8.30	8.45	8.60	8.60	8.65	8.60	8.20
1961	8.50	8.60	8.85	9.05	9.25	9.55	9.80	9.85	9.85	9.85	9.85	9.55	9.40
1962	8.55	8.45	8.90	9.25	9.50	9.65	9.65	9.65	9.70	9.30	9.30	9.50	9.30
1963	8.80	8.70	8.65	8.65	8.65	8.75	8.80	8.90	8.90	8.90	8.90	8.90	8.80
1964	8.25	8.25	8.25	8.30	8.40	8.40	8.40	8.40	8.50	8.50	8.45	8.35	8.35
1965	8.15	8.00	8.05	8.10	8.00	8.10	8.15	8.15	8.15	8.40	8.40	8.40	8.15
1966	8.40	8.40	8.35	8.20	8.25	8.30	8.40	8.20	8.30	8.40	8.40	8.40	8.35
1967	7.90	7.75	8.10	8.50	8.50	8.55	8.50	9.00	9.40	9.25	9.25	9.25	8.65
1968	8.90	8.50	8.40	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
1969 2/	8.50	8.50	8.50	8.50	8.70	8.75	8.75	8.70	8.70	8.70	8.70	8.70	8.65
Long Grain	Arkansas, Milled Rice, No. 2 Bluebonnet, f.o.b. mills, per cwt., bagged 1/												
1960	9.10	9.10	9.05	9.15	9.15	9.20	9.35	9.40	9.40	9.45	9.60	9.60	9.30
1961	9.40	9.45	9.80	9.85	9.90	9.95	10.10	10.10	10.10	10.15	10.10	9.90	9.90
1962	9.80	9.65	9.65	9.70	9.95	10.05	10.15	10.15	10.10	10.10	10.05	10.00	9.95
1963	9.90	9.95	9.90	9.90	9.90	10.00	10.15	10.15	10.15	10.15	10.10	10.10	10.05
1964	10.05	9.90	9.90	9.90	9.90	9.95	9.95	10.00	10.10	10.10	10.10	10.10	10.00
1965	10.10	9.75	9.80	9.85	9.85	9.85	9.85	9.90	9.90	9.90	9.90	9.90	9.90
1966	9.90	9.90	9.90	9.95	9.90	9.90	9.90	9.90	9.90	9.90	9.90	9.90	9.90
1967	9.90	9.90	9.90	9.90	9.90	9.90	9.95	10.20	10.25	10.25	10.25	10.25	10.05
1968	10.25	10.15	9.20	9.85	9.90	9.90	9.90	9.90	9.90	9.90	9.90	9.85	9.90
1969 2/	9.90	9.90	9.90	9.90	9.90	10.00	10.10	10.10	10.10	10.10	10.10	10.10	10.00
Medium Grain	Milled Rice, No. 2, f.o.b. mills, per cwt., bagged 3/												
1960	7.65	7.35	7.40	7.70	8.00	8.15	8.20	8.35	8.45	8.55	8.55	8.50	8.05
1961	8.25	8.35	8.75	8.85	9.00	9.30	9.75	9.75	9.75	9.75	9.65	9.35	9.20
1962	8.70	8.40	8.85	9.20	9.45	9.50	9.50	9.50	9.35	9.20	9.15	9.00	9.15
1963	8.80	8.65	8.45	8.40	8.40	8.50	8.65	8.65	8.65	8.65	8.60	8.50	8.55
1964	8.40	8.05	7.95	7.95	7.95	8.15	8.15	8.20	8.40	8.40	8.40	8.40	8.20
1965	8.40	7.90	7.90	7.90	8.00	8.00	8.15	8.15	8.15	8.15	8.15	8.15	8.10
1966	8.15	8.15	8.10	8.15	8.15	8.15	8.25	8.20	8.20	8.20	8.25	8.25	8.20
1967	8.25	8.25	8.15	8.15	8.25	8.35	8.50	9.05	9.25	9.25	9.25	9.25	8.65
1968	9.25	9.10	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.55
1969 2/	8.45	8.45	8.60	8.60	8.60	8.60	8.60	8.55	8.55	8.55	8.55	8.55	8.55

1/ Prior to 1968 reported by variety (Bluebonnet). Beginning August 1968 reported only by class (Long Grain).

2/ Preliminary.

3/ Mostly Nato.

Consumer and Marketing Service, Grain Division.

Table 14.--Rice, milled: U.S. exports to specified countries, July-June years, 1968-1969 1/

Destination	July-June 1968-69	July-June 1969-70	+ or -	Destination	July-June 1968-69	July-June 1969-70	+ or -	
	1,000 m. t.	1,000 m. t.	1,000 m. t.		1,000 m. t.	1,000 m. t.	1,000 m. t.	
Western Hemisphere:				Asia (Continued):				
Canada	52	56	+	4	Korea, Republic of	440	124	-
British Honduras	2/	1	+	1	Kuwait	9	3	-
Bahamas	5	5	--	--	Lebanon	1	1	:
Barbados	--	1	+	1	Malaysia	2/	1	+
Dominican Republic	6	--	-	6	Nansei and Nanpo Islands	56	21	-
French West Indies	3	1	-	2	Saudi Arabia	60	72	+
Jamaica	16	20	+	4	Southern Yemen	11	14	+
Netherlands Antilles	4	4	:	0	Vietnam, South	232	560	+
Trinidad and Tobago	2/	2	+	2	Others	1	--	-
Chile	11	7	-	4	Total	1,180	1,232	+
Venezuela	5	6	+	1	Africa:			
Others	3	1	-	2	Afars and Issas	2	1	-
Total	105	104	-	1	Angola	2	3	+
Western Europe:				1	Cameroon	1	2/	-
EC:					Congo	1	5	+
Belgium and Luxembourg	15	18	+	3	Ghana	32	12	-
France	22	24	+	2	Guinea	10	5	-
Germany, West	57	61	+	4	Ivory Coast	1	1	:
Netherlands	43	45	+	2	Liberia	32	48	+
Total	137	148	+	11	Libya	1	1	:
Other Western Europe:					Malagasy Republic	1	1	:
Austria	1	2/	-	1	Mozambique	1	2/	-
Denmark	1	1	:	0	Nigeria	4	2/	-
Finland	2/	1	+	1	Senegal	2/	5	+
Greece	3	3	:	0	Somalia Republic	6	9	+
Iceland	1	1	:	0	South Africa, Republic of	65	77	+
Ireland	1	1	:	0	Uganda	1	2/	-
Portugal	1	1	:	0	Western Africa, n.e.c.	1	3	+
Sweden	3	3	:	0	Western Portuguese Africa, n.e.c. ...	8	1	-
Switzerland	9	13	+	4	Zambia	1	2	+
United Kingdom	53	57	+	4	Others	2	3	+
Others	1	2/	-	1	Total	172	177	+
Total	74	81	+	7	Oceania:			
Total Europe	211	229	+	18	Australia	1	1	:
Asia:					British West Pacific Islands	6	7	+
Arabia	3	1	-	2	French Pacific Islands	3	2	-
Bahrain	2	2/	-	2	New Zealand	1	1	:
Hong Kong	5	17	+	12	Trust Territory of Pac. Islands	3	4	+
India	51	51	:	0	Others	2/	2/	-
Indonesia	294	353	+	59	Total	14	15	+
Israel	12	12	:	0				
Japan	2	2	:	0				
Jordan	1	2/	-	1	World total	1,682	1,757	+

1/ Includes small quantity of rough rice milled equivalent.

2/ Less than 500 metric tons.

Foreign Agricultural Service
Grain and Feed Division, CAB/SSS

Source: Compiled from reports of the U.S. Department of Commerce

Table 15.--Rice, milled: U.S. exports by type of sale, year beginning July, 1962-69

Year beginning July	For dollars	Under Government Programs		Total exports
		For foreign currency	Other programs	
- - - - Million Cwt. - - - -				
1962	10.4	12.7	1.1	24.2
1963	16.5	13.6	1.2	31.3
1964	16.3	11.2	.8	28.3
1965	18.0	7.2	4.8	30.0
1966	19.9	16.3	2.8	39.0
1967	24.9	15.6	.6	41.1
1968	15.2	20.7	.3	36.2
1969 <u>1/</u>	17.0	21.1	.2	38.3

1/ Preliminary.

Foreign Agricultural Service, Grain and Feed Division.

Table 16.--Rice, milled: U.S. exports under Title I of P.L. 480 by country of destination, 1965-69

Country of destination	Year beginning July				
	1965	1966	1967	1968 <u>1/</u>	1969 <u>1/</u>
- - - - 1,000 Cwt. - - - -					
Chile	---	---	---	64	---
Congo	899	384	172	---	---
Ghana	387	220	219	---	115
Guinea	413	144	---	226	---
India	224	---	---	1,135	1,114
Indonesia	---	422	3,286	6,440	7,738
Israel	65	---	---	---	---
Korea	---	---	---	7,565	3,038
Liberia	---	---	96	---	---
Nigeria	---	---	---	197	100
Philippines	824	---	---	---	---
Vietnam	4,395	15,134	11,874	5,116	8,966
Total	7,207	16,304	15,647	20,743	21,071

1/ Preliminary.

Foreign Agricultural Service, Grain and Feed Division.

Table 17.--Rice (rough): Acreage, yield per acre and production in specified countries, average 1963-67, annual 1968 and 1969 1/ (based on June estimates).

REGION AND COUNTRY	AREA 2/			YIELD			PRODUCTION		
	AVE.1963-67	1968	1969 3/	AVE.1963-67	1968	1969 3/	AVE.1963-67	1968	1969 3/
	1,000 ACRES	1,000 ACRES	1,000 ACRES	LBS/ACRE	LBS/ACRE	LBS/ACRE	1,000 MT	1,000 MT	1,000 MT
NORTH AMERICA:									
COSTA RICA.....	139	106	111	1,177	1,394	1,490	74	67	75
CUBA.....	231	---	---	1,527	---	---	160	---	---
DOMINICAN REPUBLIC.....	180	220	---	1,845	1,754	---	151	175	---
EL SALVADOR.....	45	67	27	1,989	2,435	2,695	41	74	33
GUATEMALA.....	28	35	35	1,465	1,512	1,575	19	24	25
HONDURAS.....	42	44	44	1,501	1,203	1,203	29	24	24
MEXICO.....	372	388	363	2,100	2,074	2,253	354	365	371
NICARAGUA.....	60	79	52	1,823	2,400	2,544	50	86	60
PANAMA.....	305	319	321	986	1,127	1,120	136	163	163
UNITED STATES.....	1,857	2,353	2,128	4,245	4,423	4,291	3,575	4,721	4,141
TOTAL.....	3,260	3,831	3,557	3,103	3,354	3,246	4,588	5,829	5,237
SOUTH AMERICA:									
ARGENTINA.....	149	217	247	3,323	3,505	3,481	225	345	390
BOLIVIA.....	82	208	208	1,715	615	657	64	58	62
BRAZIL.....	10,653	10,872	11,367	1,373	1,298	1,455	6,634	6,400	7,500
CHILE.....	77	40	62	2,474	2,039	2,382	86	37	67
COLOMBIA.....	807	633	593	1,750	2,438	2,528	640	700	680
ECUADOR.....	229	269	198	1,637	1,910	1,860	170	233	167
GUYANA.....	278	313	275	1,826	1,493	1,684	230	212	210
PARAGUAY.....	40	40	49	1,973	2,590	2,610	36	47	58
PERU.....	188	198	---	3,739	3,340	---	319	300	---
SURINAM.....	74	86	89	2,806	2,974	2,973	94	116	120
URUGUAY.....	66	84	91	2,806	3,517	3,464	84	134	143
VENEZUELA.....	241	284	309	1,738	1,902	1,934	190	245	271
TOTAL.....	12,885	13,244	13,685	1,501	1,469	1,611	8,772	8,827	9,998
WESTERN EUROPE:									
FRANCE.....	72	67	57	3,380	2,797	4,100	110	85	106
GREECE.....	51	52	51	4,124	4,579	4,453	95	108	103
ITALY.....	315	385	418	4,288	3,659	4,536	613	639	860
PORTUGAL.....	87	82	91	3,984	4,006	4,240	157	149	175
SPAIN.....	150	156	163	5,550	5,130	5,464	378	363	404
TOTAL.....	675	742	780	4,420	3,993	4,658	1,353	1,344	1,648
EASTERN EUROPE:									
BULGARIA.....	33	35	32	2,779	2,457	3,307	42	39	48
HUNGARY.....	46	52	52	1,706	1,738	2,035	36	41	48
ROMANIA.....	46	62	62	2,655	2,134	2,489	55	60	70
YUGOSLAVIA.....	14	12	17	3,653	3,307	4,020	23	18	31
TOTAL.....	140	161	163	2,453	2,164	2,665	156	158	197
TOTAL EUROPE.....	814	902	943	4,087	3,671	4,313	1,509	1,502	1,845
TOTAL U.S.S.R.....	530	771	815	2,389	2,774	2,922	574	970	1,080

AFRICA:									
CHAD.....	67	80	---	1,994	2,480	---	61	90	90
CONGO-KINSHASA.....	122	150	150	1,041	1,029	1,029	58	70	70
GAMBIA.....	66	72	---	1,223	1,225	---	37	40	---
GHANA.....	89	113	126	931	1,249	1,312	38	64	75
GUINFA.....	1,020	1,000	---	648	763	---	300	346	368
IVORY COAST.....	655	715	715	872	1,172	1,125	259	380	365
LIBERIA.....	593	600	---	630	367	---	169	100	---
MALAGASY REPUBLIC.....	1,944	1,949	---	1,513	1,584	---	1,334	1,400	1,400
MALI.....	453	410	---	825	807	---	170	150	190
MOROCCO.....	10	18	22	4,497	5,512	4,610	20	45	46
MOZAMBIQUE.....	247	255	---	1,312	1,297	---	147	150	160
NIGERIA.....	518	480	500	1,587	1,727	1,706	373	376	387
PORTUGUESE GUINFA.....	115	115	---	1,572	1,630	---	82	85	---
SENEGAL.....	193	200	---	1,362	992	---	119	90	120
SIERRA LONE.....	796	790	790	1,059	1,208	1,172	382	433	420
TANZANIA.....	208	230	---	1,098	1,150	---	104	120	---
UAR-FGYPT.....	1,109	1,206	1,183	4,154	4,226	4,659	2,090	2,312	2,500
UPPER VOLTA.....	86	87	---	882	887	---	34	35	---
TOTAL.....	8,291	8,470	8,487	1,536	1,636	1,707	5,776	6,286	6,571

ASIA:									
AFGHANISTAN.....	547	---	---	2,064	---	---	512	---	---
BURMA.....	12,281	12,402	12,683	1,394	1,426	1,451	7,762	8,023	8,350
CAMBODIA.....	5,754	5,820	5,820	965	947	947	2,519	2,500	2,500
CEYLON.....	1,527	1,657	1,657	1,426	1,786	1,796	987	1,342	1,350
CHINA, REP OF (TAIWAN).....	1,904	1,952	1,945	3,514	3,753	3,626	3,034	3,323	3,199
INDIA.....	88,699	91,343	91,427	1,303	1,441	1,484	52,432	59,701	61,560
INDONESIA.....	19,040	20,247	18,780	1,617	1,767	1,987	13,969	16,231	16,923
IRAN.....	548	593	618	3,487	3,718	3,731	867	1,000	1,046
IRAQ.....	698	---	---	1,219	---	---	386	---	---
JAPAN.....	8,057	8,105	8,090	4,447	4,913	4,770	16,251	18,061	17,505
KOREA, REP OF.....	2,993	3,000	3,039	3,758	3,197	4,049	5,102	4,350	5,582
LAOS.....	1,546	---	---	1,018	---	---	714	---	---
MALAYSIA.....	902	1,214	1,227	2,229	2,478	2,377	912	1,365	1,323
NIPAL.....	2,740	2,814	---	1,731	1,818	1,824	2,151	2,321	---
PAKISTAN.....	26,401	27,915	28,562	1,482	1,586	1,642	17,745	20,084	21,266
PHILIPPINES.....	7,806	8,233	8,646	1,162	1,190	1,274	4,113	4,445	4,998
SABAH.....	90	---	---	1,945	---	---	79	---	---
SARAWAK.....	287	---	---	811	---	---	106	---	---
THAILAND.....	15,710	16,459	18,740	1,610	1,499	1,578	11,469	11,190	13,410
TURKEY.....	131	111	136	3,016	3,436	3,242	179	173	200
VIETNAM SOUTH.....	5,913	5,916	5,980	1,816	1,627	1,886	4,872	4,366	5,115
TOTAL (Excl. Comm. Asia) ^{1/}	203,574	211,407	213,789	1,583	1,675	1,740	146,161	160,618	168,758

OCEANIA:									
AUSTRALIA.....	67	84	99	5,995	6,720	6,788	182	256	305
TOTAL.....	67	84	99	5,995	6,720	6,788	182	256	305
TOTAL WORLD.....	229,421	238,709	241,375	1,610	1,702	1,770	167,563	184,288	193,794

^{1/} Crops harvested in the last half of the year shown are combined with crops harvested in the first half of the following year, i.e. August/July. ^{2/} Harvested area as far as possible. ^{3/} Preliminary. ^{4/} Excluding Communist Asia (China, North Korea and North Vietnam).

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

Table 18.--Rice, (milled basis): World exports by country of origin, 1967-69

Country of origin	Calendar years		
	1967	1968	1969 <u>1/</u>
	- - - - 1,000 metric tons - - - -		
North America:			
United States	1,801	1,847	1,850
Central America:			
Costa Rica	1	1	4
El Salvador	14	23	11
Guatemala	2	2	2
Honduras	2/	2	2/
Nicaragua	2/	2	6
Panama	3	---	---
Total	20	30	23
South America:			
Argentina	19	41	74
Brazil	32	142	60
Colombia	4	2/	20
Ecuador	---	10	---
Guyana	102	96	74
Surinam	25	32	20
Uruguay	37	19	68
Venezuela	63	33	---
Total	282	373	316
Total Western Hemisphere	2,103	2,250	2,189
Europe:			
EC:			
Belgium-Luxembourg	5	13	14
France	39	68	17
Germany, West	21	23	18
Italy	156	186	179
Netherlands	17	20	22
Total	238	310	250
Greece	9	9	4
Spain	109	100	50
Switzerland	1	2/	2/
Total	357	419	304
Eastern Europe: <u>3/</u>			
Bulgaria	5	---	---
Czechoslovakia	2/	2/	2/
Hungary	2	2/	2/
USSR	4	4	4
Total	11	4	4
Total Europe	368	423	308

Table 18.--Rice, (milled basis): World exports by country of origin, 1967-69 (Continued)

Country of origin	Calendar years		
	1967	1968	1969 <u>1/</u>
	- - - - <u>1,000 metric tons</u> - - - -		
Asia:			
Aden	10	5	5
Burma	531	346	600
Cambodia	223	247	110
China, Mainland	1,190	1,025	775
Hong Kong	7	11	14
India	5	2	15
Iran	2	<u>2/</u>	<u>2/</u>
Japan	<u>2/</u>	<u>2/</u>	341
Korea, North	75	60	60
Korea, South	---	<u>2/</u>	---
Kuwait	6	5	5
Malaysia	10	2	1
Nepal	35	26	25
Pakistan	140	80	135
Philippines	---	37	<u>4/</u>
Singapore	46	73	<u>48</u>
Taiwan	116	68	35
Thailand	1,449	1,038	928
Turkey	2	2	---
Vietnam, North	3	2	20
Total	3,850	3,029	3,117
Africa:			
Angola	3	2	1
Ivory Coast	<u>2/</u>	<u>2/</u>	<u>2/</u>
Kenya	<u>2/</u>	2	1
Malagasy	40	69	52
Morocco	4	7	14
Mozambique	5	4	<u>2/</u>
South Africa	1	---	2
United Arab Republic	435	570	700
Total	488	654	770
Oceania:			
Australia	99	97	108
World total	6,908	6,453	6,492

1/ Preliminary. 2/ Less than 500 metric tons. 3/ Based on actual imports by recipient countries, intra-trade on calendar year basis, and official estimates by FAO, FAS and Commonwealth Secretariat. 4/ Only limited quantities for seed exported Asian countries.

Table 19.--Rice, milled: U.S. exports to specified countries, August-July years, 1967-1969 1/

Country of destination	Year beginning August		
	1967	1968	1969
	- - - - <u>1,000 metric tons</u> - - - -		
Western Hemisphere:			
Canada	54.2	61.1	56.9
Mexico	.1	.1	.2
Nicaragua	.2	2/	2/
Bahamas	4.3	4.7	4.9
Peru	.2	2/	2/
Jamaica	14.7	16.2	21.2
Dominican Republic	5.7	.6	---
Netherlands Antilles	4.2	3.8	4.2
Venezuela	2/	2/	5.7
Chile	8.3	11.9	5.9
Other countries	7.8	3.9	6.6
Total	99.7	102.3	105.6
Europe:			
Sweden	2.6	3.7	3.3
United Kingdom	56.9	57.6	58.4
Netherlands	42.9	51.7	40.2
Belgium-Luxembourg	15.1	19.4	14.7
Germany, West	50.3	65.6	61.6
Switzerland	9.2	9.2	13.4
France	25.3	22.1	24.8
Other countries	6.6	8.6	7.6
Total	208.9	237.9	224.0
Asia:			
Israel	10.2	16.2	10.1
Kuwait	14.5	9.2	2.4
Saudia Arabia	60.7	65.9	64.3
Southern Yemen	8.3	10.9	14.3
India	2/	3/99.4	21.5
Vietnam, South	634.4	3/182.4	575.1
Hong Kong	74.3	11.5	11.5
Japan	2.1	2.2	2.0
Korea	298.3	3/493.8	186.5
Philippines	2/	2/	2/
Indonesia	174.0	3/345.1	371.5
Nansei and Nanpo Islands	54.5	73.3	12.2
Other countries	46.3	3/9.6	3.8
Total	1,377.6	1,319.5	1275.2
Oceania:	10.8	14.8	15.7
Africa:			
South Africa, Republic of	71.9	65.8	80.1
Ghana	15.8	32.9	12.0
Liberia	37.1	32.7	48.1
Congo, Republic of	15.8	.8	6.0
Guinea	2/	15.4	---
Ivory Coast	9.5	.9	.7
Senegal	.1	4.6	.1
Other countries	22.4	32.1	23.9
Total	172.6	185.2	170.9
Grand Total	1,869.6	3/1,859.7	4/1,791.4

1/ Includes small quantity of rough rice in milled equivalent. 2/ Less than 50 tons. 3/ Based on bills of lading presented to the U.S.D.A. for payment. Bureau of the Census report were as follows: India 80.6, Vietnam 190.0, Korea 485.3, Indonesia 321.5, and other countries 6.6. 4/ Preliminary.

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Milled rice, U.S. donations by type of outlet, 1960-69	10	5
Rough and milled: average 1959-63, annual 1965-69	9	2

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