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DEVELOPMENT AND TESTING

A COMPLETE NUTRITIONAL FOOD

IN

EL SALVADOR

DEVELOPMENT AND TESTING

A COMPLETE NUTRITIONAL FOOD

IN

EL SALVADOR

Interim Report

Contract No. AID/1a-461

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FORWARD

This interim report outlines the work carried out to date relating to the contract between The Pillsbury Company and AID. Under the terms of this contract Pillsbury "proposes to develop and test a complete nutritional food (CNF) that will supplement the diet and furnish sufficient quantities of the marginal food components." Work has been performed both in El Salvador and the United States.

The interim report contains the Basic Market Intelligence as provided for in Article 1.B.1 of the contract. Basic Market Intelligence includes information in the following areas: Demographics, Menu Study, Nutritional Levels of Food Consumption, Local Government Programs and the Local Food Industry. The complete statistical data is included in the appendix of this report.

This data is a prerequisite to determining the proper form of the complete nutritional food designed by The Pillsbury Company. It is also necessary to have this information to determine how the CNF (complete nutritional food) will be used, the size of the market for the product and how it should be presented to the market.

We wish to thank Messrs. Lloyd I. Holmes, Vernon R. Scott, of AID; Messrs. Eugene C. Lombard, Salvatore Pinzino, of Catholic Relief Services; Professor Arevalo-Mata of Caritas; and Dr. Jose Maria Ticas, of the Salvadorian Government, for their fine support and assistance. Without the assistance of these men the accomplishments reached so far would have been impossible.

PROGRESS REPORT

In addition to completing the Basic Market Intelligence portion of this contract, Pillsbury has made substantial progress toward reaching the final objective.

The ultimate aim of the project is to develop a product acceptable to the consumer which will be sold through appropriate retail stores as a viable commercial undertaking. The plan is to develop and market a classless, convenient, economical high nutrition product --- avoiding the stigma of a "give-away" product.

Preliminary investigations indicated that a drink (CNF) would probably be the most immediately successful format for CNF. Consequently, under this contract, all of our subsequent field work and product development work has been directed toward a drink.

As a result of information gathered in the U.S. and El Salvador concerning raw materials readily available in El Salvador, a tentative product formulation was decided upon. We wanted to be sure the product could be readily made in El Salvador from indigenous materials. We also wanted to make sure CNF would be a sound nutritional drink. For these reasons product formulation was based on using wheat germ, sesame seed and sugar. The resulting finished product (CNF) was equal to milk nutritionally with regard to protein and vitamins and also had more calories. Thus, the first objective was met - The Pillsbury Company had developed a drink product of high nutritional value from readily available indigenous materials.

The next step was to determine if the product was acceptable to the taste of the people who would be consuming it. In late May the first round of taste testing was carried out in El Salvador to give direction toward a formulation that would have optimum acceptability with the target market for CNF. Tests were carried out with school children and with pregnant and/or nursing mothers. We used school children because we felt their likes and dislikes would be not too dissimilar from younger children and because we could easily get a group to work with. These tests were carried out over several days at La Escuela Constitution 1950 in San Salvador and a health clinic in Apopa - a small town near San Salvador.

Eight possible formulations combining various levels of sweetness and flavor intensity were tested in a paired comparison test. The respondent indicated his preference. Information received gave very clear direction as to the optimum formulation. The results showed marked differences between Salvadoreans and average Americans. This work was done with one flavor, coconut. We also tested chocolate for acceptability and decided that although chocolate was preferred, both were liked well. Eventually we hope to have four acceptable flavors.

One of the major areas of uncertainty surrounding this effort is the basic acceptability of this product. We formulated product according to the

direction received and ran a short two day preference test of CNF with milk. The results indicated a clear cut preference for CNF. Even after heavily discounting these results, in the belief the children might have been trying to please us, it still appeared that CNF had a sufficiently high degree of acceptability to go ahead.

In Minneapolis the product was reformulated based on the results of the first round of taste tests. To check this work, and try and establish the upper limits on sweetness preference, we then conducted another series of taste tests in El Salvador with the same group of children used before. Because we were working at much higher sweetness levels, the results were not as clear cut as those of the first round. We feel we are at levels where the addition of further increments of sweetness are not consistently discernable. For this reason, we decided to proceed with our second formulation. It has great acceptability and the addition of more sugar adds to the cost without significantly improving acceptability.

At this time another comparison test with milk was run. This time we used children who did not receive milk in school. The design was as follows - 60 children were given CNF one day, they were given milk the next day, and they were given their choice of CNF, milk, or water the third day. Fifty-eight of 60 children chose chocolate CNF on the third day. This bolstered our belief we had formulated a product with acceptance by our target market.

CNF is designed to be drunk daily - hopefully at least one glass - if the user is to receive the full benefits built into the product. We wished to know what reactions of users would be to the product after a fairly long period of usage. A six week test for acceptability was set up in two schools in San Salvador. About 800 children are involved. For a three week period the children were to be given CNF each day for four days a week and given their choice of milk or CNF on the fifth day. For the last three weeks the children were to be given their choice of CNF or milk each day. The two flavors of CNF - chocolate and coconut - were to be rotated.

Due to certain operating problems such as a teacher's strike, failure to deliver product as needed, etc. the test has not yet been completed. Also the test plan was not completely adhered to over the first four week period. As expected the acceptability started high - about 82% took CNF the first time they had a free choice. By the end of the third week it had dropped to 69%. We will be satisfied if this stabilizes at somewhat better than 50%.

Long term tests have also been held with pregnant and nursing mothers. For this phase we wanted to get a fix on how women, probably the most important purchaser of CNF or similar products, would regard this product as compared to certain others which might conceivably be used to reach the same ends - improved nutrition. A group of fifty women was gathered at the clinic in Apopa. Each was given a seven day supply for one person of CNF. They were told in simple terms what CNF was, why they should use it and how to make it. If they returned the next week they would get their choice of another free package of CNF, a seven day supply for one of dried milk, or a seven day supply for one of vitamin pills. This test would go on for six weeks. The number who returned each week dropped slowly, until at the end only 52% (26 women) returned for the sixth week. The number of women who chose and

kept on choosing CNF stayed in a very narrow range - 23 to 27. At the last week the women who chose CNF represented 46% of the total sample of 50. This is a bit below our hoped for bench mark of 50%, but not too bad.

It is interesting to note that milk ran down from five takers to one, for a 2% share of the total sample, and vitamins went from 8 to 2, for a 4% share of the total sample. It is obvious that of the three, CNF is preferred. But it is also obvious that a lot of marketing work has to be done, along with basic nutritional education, to motivate the lower income Salvadorean to improve his nutritional lot.

Thus far in our testing programs, the samples of CNF have been given to the respondents without charge. It is of the utmost importance to find out whether people will buy CNF at a price which will allow for a commercially viable product. It is also necessary to determine how much sampling, advertising, and promotion will be required to get the prime target market to buy and use CNF. These costs will have an important bearing on the ultimate market price of CNF.

We are working on economics. To date things appear mildly favorable. Raw material and production costs are not prohibitive at the moment, but packaging and marketing costs are an unknown. Wholesale and retail costs can be counted on to add about 45% to the ultimate purchasers cost. We are hoping to be able to sell at retail one serving packet at 10 centavos and seven serving packages at 60 centavos. These figures leave very little margin of error for presently undetermined costs and may be untenable.

Work to date has resulted in development of a product with the desired nutritional characteristics, with apparent good initial acceptability, and workable economics. The next step to be taken involves determination of the amount of education, and the optimum form for this education, required to create a consumer market.

We must then determine within this market whether enough people will buy the product...

- often enough to provide a significant nutritional upgrading of their diet.
- at a price level which will permit a viable commercial venture.

APPENDIX

**Basic Data Concerning
The People of El Salvador, What
They Eat, and The Food Industry**

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A. Demographics

Population

El Salvador, land of lakes and volcanoes, is the smallest in size of the Central American republics. Its area of 20,935 square kilometers, or 8,260 square miles, makes it roughly as large as Massachusetts. For 1967 the population of El Salvador is estimated to be 3,110,000 or 148.6 people per square kilometer. Although this population density is less than that of Massachusetts, which has 5.4 million inhabitants, it is very high for a country which is basically agricultural. Only one other Latin American country has a population density which probably exceeds that of El Salvador. Its neighbors, Guatamala, Honduras, and Nicaragua, have only 41, 21, and 12 people per square kilometer respectively.

The most recent official census, which was taken May 1961, showed a population of 2,510,984 Salvadorenos. Annual growth during the decade of the 50's had been about 2.8%. Since then it is believed that the population growth rate has increased to an average of 3.46% per year. (See Table I) This rate is expected to continue at approximately the same level for the next few years. If these expectations prove valid there should be about 3,911,000 inhabitants of El Salvador by 1974. The population will have increased 56% in thirteen years.

Fortunately, for the future of this crowded little land, the birth rate has been dropping over the past decade. In 1957 it was 50.9; for 1967 it is estimated at 46.4. However, the total number of babies born has gone up almost every year as the population gets larger. To slow down the rapid rate of increase, the birth rate must drop much more dramatically than it has in the past. The figures in Table II show that the death rate has also dropped with the result that total deaths have remained rather constant over this period of time even though total population has increased. The death rate of children less than one year old has gone down quite sharply although it is still rather large.

The population is about equally divided between men and women. Table III shows that for this year women will outnumber men to a very slight extent. Somewhat surprisingly, there are considerably more women than men in urban areas and slightly more men in rural areas. These relationships have remained quite stable over the past six years.

The trend towards urbanization which seems to be occurring over most of the world apparently has little force in El Salvador. Since 1961, the urban population has increased little faster than the population as a whole. (See Table III) The major growth area has been the city of San Salvador which grew 14.5% from 1961 to 1964 compared with a growth of 12.5% for the whole country. The metropolitan area of San Salvador, comprised of the cities of San Salvador, Villa Delgado, Mejicanos, Soyapango, and San Marcos is the dominant section of the country with 13% of the total population in 1964. This area probably has about 15% of the people by now. Many other major cities have not kept pace with the population growth as a whole. (See Table X)

El Salvador is a land of the young. As can be seen from the figures in Table IV over 55% of all people are less than twenty years old. Indeed 45% are younger than 15. Even though one is considered potentially to have entered the ranks of the economically active at the age of 10, this large number of young people obviously throws a tremendous burden on those of normal working age. As the importance of schooling increases and more children stay in school longer this burden will become even heavier. Most men are at least twenty when they get married. (In 1964 only 7% were 19 or younger.) As would be expected, the girls are slightly younger when married, the greatest number being in the 15 to 19 year old bracket in 1964. However, the relatively small number of children born to mothers under twenty (Table VI) would appear to indicate that most women are at least eighteen when they are married.

Family life in El Salvador has less of a formal legal basis than it has in more developed countries. Only 25% of those over 15 are legally married whereas another 25% are united "de facto." (Table V) During 1964 almost two thirds of all births were illegitimate. This probably does not have quite the same connotation as an illegitimate birth would have in this country. In most cases there is a father present and a more or less normal family life is carried on. In 1961 there were 193,379 families in the country.

Educational Levels

At this time probably more than half of the people in El Salvador can read and write. In 1961 (Table XI) 48% were literate. Since then great effort has been put into opening literacy centers - they tripled in number from 1961 to 1964. More children are going to school and they are staying longer. This also should increase the literacy rate. In 1961 literacy rates varied widely from one section of the country to another and between urban and rural areas. (Table XII) The high rate of literacy in the central area undoubtedly reflects the importance of the metropolitan area of San Salvador and the great need of city dwellers to be able to deal with their more complex environment.

Education is being given increasing emphasis. As recently as 1961 over 60% of those 14 or older had never been to school. Only 57% of those in the 10-14 age group were in school. By 1964 school attendance had increased to cover 76% of those from 7 to 12 years old. In 1967 it is anticipated that 90% of this age group will be in school. Not only have the total numbers going to school increased, but also the number of grades attended has increased.

In 1964 the school population numbered 365,806. The single greatest age group was ten, with nine and eleven year olds not too far behind. The distribution shown in Table XX indicates that many children do not start school until they are nine or ten. Most first graders are at least eight, and may be as old as fifteen. Apparently, only about a quarter of all children in the five to nine group were in school in the fall of 1964. As would be expected, Table XIX shows a high proportion of all school children are in the department of San Salvador.

Economic Levels

In 1961 almost 47% of those over ten years old were considered to be economically active. (Table XIII) It is interesting to note that a survey conducted in metropolitan San Salvador a few years later (Table XIV) indicates that 52.5% of the people are economically active. The big jump comes in the number of urban women who work outside the home - 44% compared with only 17% for the country as a whole. The number of students was markedly higher in metropolitan San Salvador than elsewhere. This in turn lowered the percentage of men working or seeking work from 80% for El Salvador as a whole to 66% in the metropolitan area.

According to the official statistics there is very little unemployment in El Salvador. The 1961 census showed 2.4% and the special study of metropolitan San Salvador showed 2.6%. However, unemployment rates among men are much higher running from 4.3% to 4.5%. When coupled with the high rate of underemployment found in San Salvador the picture does not look too good. Underemployment is classified as those who are not domestic servants who earn less than 18 colones per week. This indicates that one quarter of all workers in metropolitan San Salvador earn less than this amount. The official 5 year plan estimates that at least one third of all workers are underemployed.

Although there are no available figures on disposable income, it is undoubtedly very low for the vast majority of Salvadoreños. In 1964 per capita income was ¢679 (\$272). For 1969 official estimates indicate per capita income should increase to ¢792 (\$316). However, this somewhat rosy picture is distorted by the vast inequality in the distribution of income which the average figure conceals. In 1964 only 8% of all families earned ¢400 or more per month while 60% earned less than ¢130 per month. About 60% of the people earned ¢1,000 (\$400) or less annually in 1964. By 1969 it is hoped that at least 80% of all wage earners will receive ¢1,000 or more each year. The top 8% earn 50% of the total income in the country.

Breakdown of Salaries and Wages

1964

8%	-	\$45 or more/wk. - ¢100
		\$160 or more/mo. - ¢400
		\$1920 or more/yr. - ¢4800
32%	-	\$13 to \$40/wk. - ¢32 - ¢100
		\$52 - \$160/mo. - ¢130 - ¢400
		\$625 - \$1925/yr. - ¢1560 - ¢4800
60%	-	\$13 or less/wk. - ¢32
		\$52 or less/mo. - ¢130
		\$625 or less/yr. - ¢1560

Per capita income - \$272 or ¢679/yr.

About 60% earned ¢1000 or less/yr. which indicates that nearly all of those earning less than ¢130/mo. actually earned less than ¢85/mo., or about ¢20/wk. This is practically the same as the breaking point of ¢18/wk: between regular employment and underemployment.

The distribution of incomes varies greatly from one area of the country to another. City folk are considerably better off than rural inhabitants. Incomes in the central region are twice as high as those in the west and 4 times those in the east.

Additional insight into the economic pattern of the country can be gained from an examination of housing patterns. Table XVI lists the number of people living in each house in the metropolitan area of San Salvador for 1964. The median figure is somewhere around 6 people per house. This may not seem too bad until one considers that almost 60% of the houses consist of only one room. Personal inspection has shown that many of these houses have no sanitary facilities and only the most rudimentary cooking and food storage facilities. Numerous houses are made of wattle and mud. Some are even constructed from used paperboard containers. The 14% of the houses in metropolitan San Salvador reported as very poor fully deserve that description. On the other hand, of the 11% described as luxurious, many would deserve that term even in the United States. In urban areas only 40% of families own their own homes.

In 1964 Caritas de El Salvador undertook a survey to delineate the impact of their work and to discover whether they were working with those who needed help the most. Approximately 25% of all families were being aided in some way. Of these one quarter were without income (6% of the total population), 60% had incomes of some sort but less than ¢500 per year (15% of the total population) and only 15% (4% of the total population) had incomes over ¢501 per year. For this group of what probably is the lowest quarter of the nation, the average annual per capita income was ¢40 or \$16. This is far below the officially computed annual per capita income of ¢679 cited above. The conditions under which these people live are underlined by the fact that about three-quarters had inadequate living facilities and 95% had inadequate diets.

The gulf between the top 8% of the population and the remainder is great. Indications are that a growing middle class is rising, especially in San Salvador. Available figures, however, don't yet show its size. But probably 10% of total population is a fair guess with most of them being concentrated in the San Salvador metropolitan area.

TABLE I
Population Estimates¹

(1,000 people),

	<u>Total</u>	<u>% Growth From Preceding Year</u>
1956	2,195	-
1957	2,257	2.8%
1958	2,321	2.8%
1959	2,386	2.8%
1960	2,454	2.8%
1961	2,527 ²	3.0%
1962	2,627	4.0%
1963	2,721	3.6%
1964	2,824	3.8%
1965	2,918	3.3%
1966	3,011	3.2%
1967	3,110	3.3%
1968	3,214	3.3%
1969	3,322	3.4%
1974	3,911	

1. As of July 1 for each year.

2. The census of May 1, 1961 showed 2,510,984 inhabitants.

Source: 1956 - 64, America En Cifras - 1965, Instituto Interamericano de Estadística.

1965 - 1974, Proyecciones de la Poblacion de El Salvador Por Departamentos y Grupos de Edad, 1961 - 1971, Consejo Nacional de Planificacion y Coordinacion Economica.

TABLE II

Number of Live Births, Deaths, Deaths
of Children Less Than One Year Old

1957 - 1967

<u>Year</u>	<u>Live Births</u>	<u>Birth Rate Per 1000 Inhabitants</u>	<u>Deaths</u>	<u>Death Rate Per 1000 Inhabitants</u>	<u>Deaths of Children Less Than One Year Old</u>	<u>Death Rate Per 1000 Live Births</u>
1957	114,929	50.9	32,893	14.6	9,996	87.0
1958	115,154	49.6	32,831	14.1	10,216	88.7
1959	115,622	48.5	30,038	12.6	9,034	78.1
1960	121,403	49.5	28,768	11.7	9,258	76.3
1961	124,871	49.4	28,471	11.3	8,739	70.0
1962	127,154	48.4	30,342	11.6	9,077	71.4
1963	133,395	49.0	29,614	10.9	9,035	67.7
1964	133,072	47.1	29,496	10.4	8,653	65.0
1965	137,102	46.8	30,920	10.6	9,699	70.7
1966 ¹	140,900	46.4	30,400	10.0	8,700	61.1
1967 ¹	145,700	46.4	31,500	10.0	8,700	59.3

1. Estimated by Pillsbury Commercial Research Department

Source: 1957 - 1963, America En Cifas, 1965, Instituto Interamerica de Estadistica.

1964 - 1965, El Salvador en Graficas, 1965, Direccion General de Estadistica y Censos de El Salvador.

TABLE III

Population By Sex and Location

Census May 1, 1961

	<u>Total</u>	<u>Percent</u>	<u>Urban</u>	<u>Percent</u>	<u>Rural</u>	<u>Percent</u>
Men	1,236,728	49.3	451,840	46.7	784,888	50.8
Women	1,274,256	50.7	515,059	53.3	759,197	49.2
Total	2,510,984	100.0	966,899	38.5	1,544,085	61.5

Estimated July 1, 1967

Men	1,541,006	49.5	584,743	47.3	956,263	51.0
Women	1,569,265	50.5	652,088	52.7	917,177	49.0
Total	3,110,271	100.0	1,236,831	39.8	1,873,440	60.2

Source: 1967, Proyecciones de la Poblacion de El Salvador Por Departamentos y Grupos de Edad, 1961 - 1971, Consejo Nacional de Planificacion y Coordinacion Economica.

TABLE IV A

Population by Sex According to Age Group

Census May 1, 1961

	<u>Total</u>	<u>Percent</u>	<u>Male</u>	<u>Percent</u>	<u>Female</u>	<u>Percent</u>	<u>Relative No. of Males</u>
Total	2,510,984	100.0	1,236,728	100.0	1,274,256	100.0	97.1
Less than 1 yr.	97,246	3.9	49,142	4.0	48,104	3.8	102.2
From 1 to 4	334,412	13.3	168,471	13.6	165,941	13.0	101.5
From 5 to 9	383,553	15.3	193,359	15.6	190,194	14.9	101.7
From 10 to 14	309,305	12.3	159,798	12.9	149,507	11.7	106.9
From 15 to 19	242,248	9.7	117,234	9.5	125,014	9.7	93.8
From 20 to 24	214,829	8.6	101,363	8.2	113,466	8.9	89.3
From 25 to 29	172,503	6.9	80,859	6.5	91,644	7.2	88.2
From 30 to 34	150,730	6.0	73,035	5.9	77,695	6.1	94.0
From 35 to 39	139,022	5.5	66,101	5.3	72,921	5.7	90.6
From 40 to 44	111,796	4.5	54,866	4.4	56,930	4.5	96.4
From 45 to 49	89,906	3.6	43,711	3.5	46,195	3.6	94.6
From 50 to 54	75,844	3.0	37,236	3.0	38,608	3.0	96.4
From 55 to 59	50,913	2.0	24,765	2.0	26,148	2.1	94.7
From 60 to 64	58,075	2.3	28,808	2.3	29,267	2.3	98.4
From 65 to 69	29,157	1.2	14,196	1.1	14,961	1.2	94.9
From 70 to 74	21,468	0.9	10,265	0.8	11,203	0.9	91.6
From 75 to 79	13,156	0.5	6,255	0.5	6,901	0.5	90.6
From 80 to 84	8,699	0.3	3,829	0.3	4,870	0.4	78.6
From 85 on	7,342	0.3	2,923	0.2	4,419	0.3	66.1
Age Not Declared	780		512		268		191.0

Source: America En Cifras - 1965, Instituto Interamericano de Estadística.

TABLE IV B

Population by Sex According to Age Group

Estimate July 1, 1967

	<u>Total</u>	<u>Percent</u>	<u>Male</u>	<u>Percent</u>	<u>Female</u>	<u>Percent</u>	<u>Relative No. of Males</u>
Total	3,110,271	100.0	1,541,006	100.0	1,569,265	100.0	98
Less than 1 yr.	143,669	4.6	73,587	4.8	70,082	4.5	105
From 1 to 4	425,590	13.7	214,962	13.9	210,628	13.4	102
From 5 to 9	454,296	14.6	229,575	14.9	224,721	14.3	102
From 10 to 14	388,808	12.5	197,109	12.8	191,699	12.2	103
From 15 to 19	320,754	10.3	161,983	10.5	158,771	10.1	102
From 20 to 24	259,504	8.3	128,052	8.3	131,452	8.4	97
From 25 to 29	213,513	6.9	102,283	6.6	111,230	7.1	92
From 30 to 34	180,466	5.8	85,413	5.5	95,053	6.1	90
From 35 to 39	155,836	5.0	74,132	4.8	81,704	5.2	91
From 40 to 44	131,142	4.2	64,195	4.2	69,947	4.5	92
From 45 to 49	112,172	3.6	53,923	3.5	58,249	3.7	93
From 50 to 54	90,612	2.9	43,791	2.8	46,821	3.0	94
From 55 to 59	71,048	2.3	34,533	2.2	36,515	2.3	95
From 60 to 64	55,244	1.8	26,888	1.7	28,356	1.8	94
From 65 to 69	41,248	1.4	19,852	1.3	21,396	1.4	93
From 70 to 74	27,416	.9	12,889	.8	14,527	.9	89
From 75 on	35,953	1.2	17,839	1.2	18,114	1.2	98

Source: Proyecciones de la Poblacion de El Salvador Por Departamentos y Grupos de Edad 1961 - 1971, Consejo Nacional de Planificacion y Coordinacion Economica.

TABLE V

Population by Marital Status

Census May 1, 1961

(People 15 years or older)

	<u>Total</u>	<u>Men</u>	<u>Women</u>
Total	1,385,810	663,830	721,980
Single			
Number	559,530	279,780	279,750
Per cent	40.4	42.1	38.7
Married			
Number	410,680	200,350	210,330
Per cent	25.0	30.2	29.1
Common Law Married			
Number	346,850	166,280	180,570
Per cent	25.0	25.0	25.0
Widowed			
Number	62,700	15,700	47,000
Per cent	4.5	2.4	6.5
Divorced or Separated			
Number	5,120	1,230	3,890
Per cent	0.4	0.2	0.5
Unknown			
Number	930	490	440
Per cent	0.1	0.1	0.1

Source: American En Cifras - 1965, Instituto Interamericano de Estadística.

TABLE VI
Live Births by Age of Mother
1963

<u>Age Group of Mothers</u>	<u>Live Births</u>	<u>%</u>
Less than 15	174	.1
15 to 19	19,340	14.5
20 to 24	38,340	28.7
25 to 29	31,453	23.6
30 to 34	22,283	16.7
35 to 39	14,885	11.2
40 to 44	4,430	3.3
45 to 49	876	.7
50 and older	171	.1
Unknown	<u>1,485</u>	<u>1.1</u>
	133,395	100.0

Source: America En Cifras - 1965, Instituto Interamericano de Estadística.

TABLE VII

Deaths by Age Group

1963

<u>Age Group</u>	<u>Absolute Number</u>			<u>Percentage</u>		
	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>
Total	29,614	15,711	13,903	100.0	100.0	100.0
Less than 1 yr.	9,035	5,020	4,015	30.8	32.3	29.2
From 1 to 4	5,762	2,944	2,818	19.7	18.9	20.5
From 5 to 9	1,298	652	646	4.4	4.2	4.7
From 10 to 14	447	251	196	1.5	1.6	1.4
From 15 to 19	520	294	226	1.8	1.9	1.6
From 20 to 24	745	457	288	2.5	2.9	2.1
From 25 to 29	660	395	265	2.3	2.5	1.9
From 30 to 34	752	442	310	2.6	2.8	2.3
From 35 to 39	741	403	338	2.5	2.6	2.5
From 40 to 44	689	373	316	2.4	2.4	2.3
From 45 to 49	765	390	375	2.6	2.5	2.7
From 50 to 54	878	454	424	3.0	2.9	3.1
From 55 to 59	831	433	398	2.8	2.8	2.9
From 60 to 64	1,334	720	614	4.6	4.6	4.5
From 65 to 69	1,006	528	478	3.4	3.4	3.5
From 70 to 74	1,000	506	494	3.4	3.3	3.6
From 75 to 79	934	474	460	3.2	3.0	3.3
From 80 to 84	811	368	443	2.8	2.4	3.2
85 and Older	1,102	456	646	3.8	2.9	4.7
Unknown	304	151	153	-	-	-

Source:

America En Cifras - 1965, Instituto Interamericano de Estadística.

TABLE VIII

Population Growth By Department

	<u>Census of May 1, 1961</u>		<u>Census of June 13, 1950</u>		<u>Growth</u>	
	Number	Percent	Number	Percent	Number	Percent
Total	2,510,984	100.0	1,855,917	100.0	655,067	+35.3
Ahuachapán	130,710	5.2	94,646	5.1	36,064	+38.1
Cabañas	94,590	3.8	77,628	4.2	16,962	+21.9
Cuscatlán	113,042	4.5	90,099	4.9	22,943	+25.5
Chalatenango	129,897	5.2	105,859	5.7	24,038	+22.7
La Libertad	203,480	8.1	144,004	7.8	59,476	+41.3
La Paz	130,659	5.2	96,843	5.2	33,816	+34.9
La Union	148,108	5.9	109,715	5.9	38,393	+35.0
Morazán	119,381	4.8	96,729	5.2	22,652	+23.4
San Miguel	231,821	9.2	171,234	9.2	60,587	+35.4
San Salvador	463,228	18.4	296,452	16.0	166,776	+56.3
San Vicente	112,920	4.5	87,577	4.7	25,343	+28.9
Santa Ana	259,155	10.3	202,455	10.9	56,700	+28.0
Sonsonate	166,932	6.6	120,327	6.5	46,605	+38.7
Usulután	207,061	8.2	162,349	8.7	44,712	+27.5

Source: America En Cifras - 1965, Instituto Interamericano de Estadística.

TABLE IX
Population Growth by Department

	<u>Estimated Population</u> <u>July 1, 1967</u>		<u>Census of May 1, 1961</u>		<u>Growth</u>	
	Number	Percent	Number	Percent	Number	Percent
Total	3,110,271	100.0	2,510,984	100.0	599,287	+23.9
Ahuachapán	163,511	5.3	130,710	5.2	32,801	+25.1
Cabañas	115,189	3.7	94,590	3.8	20,599	+21.8
Cuscatlán	130,375	4.2	113,042	4.5	17,333	+15.3
Chalatenango	155,320	5.0	129,897	5.2	25,423	+19.6
La Libertad	258,915	8.3	203,480	8.1	55,435	+27.2
La Paz	156,363	5.0	130,659	5.2	25,704	+19.7
La Union	182,357	5.9	148,108	5.9	34,249	+23.1
Morazán	139,640	4.5	119,381	4.8	20,259	+17.0
San Miguel	286,982	9.2	231,821	9.2	55,161	+23.8
San Salvador	606,617	19.5	463,228	18.4	143,389	+31.0
San Vicente	136,089	4.4	112,920	4.5	23,169	+20.1
Santa Ana	314,803	10.1	259,155	10.3	55,648	+21.5
Sonsonate	210,916	6.8	166,932	6.6	43,984	+26.3
Usulután	253,194	8.1	207,061	8.2	46,133	+22.3

Source: 1961 - America En Cifras - 1965, Instituto Interamericano de Estadística.

1967 - Proyecciones de la Poblacion de El Salvador Por Departamentos y Grupos de Edad 1961 - 1971, Consejo Nacional de Planificacion y Coordinacion Economica.

TABLE X

Population by Principal City

	<u>1961</u>	<u>1964</u>	
San Salvador, San Salvador	256,000	293,000	14.5
Santa Ana, Santa Ana	73,000	84,000	15.1
San Miguel, San Miguel	40,000	44,000	10.0
Nueva San Salvador (Santa Tecla) La Libertad	27,000	30,000	11.1
Villa Delgado, San Salvador	24,000	26,000	8.3
Sonsonate, Sononate	24,000	27,000	12.5
San Vicente, San Vicente	15,000	17,000	13.3
Mejicanos, San Salvador	15,000	16,000	6.7
Chalchuapa, Santa Ana	13,000	16,000	23.0
Ahuachapán, Ahuachapán	13,000	15,000	15.4
Total El Salvador	2,511,000	2,824,000	12.5

Source: 1961, Census figures as reported in America En Cifras - 1965, Instituto Interamericano de Estadística.

1964, Estimates as reported in Anuario Estadístico, Volume II, 1964, Dirección General de Estadística y Censos de El Salvador.

TABLE XI
Literacy in El Salvador
(People 15 years and older)

	May 1, 1961		June 13, 1950		<u>Percent Change</u>
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	
Total	1,694,880	100.0	1,316,685	100.0	-
Literate	813,470	48.0	514,182	39.1	+23%
Illiterate	879,760	52.0	760,113	57.7	-10%

Source: American En Cifras - 1965, Instituto Interamericano de Estadística.

TABLE XII
Literacy By Region
1961

	<u>Urban</u>		<u>Rural</u>	
	Literate	Illiterate	Literate	Illiterate
West	45.7	54.3	31.4	68.6
Central	61.4	38.6	36.8	63.2
Upper Central	43.8	56.2	34.6	65.4
East	37.1	63.9	27.2	72.8

Source: Plan de la Nacion para el Desarrollo Economico y Social 1965 - 69,
Consejo Nacional de Planificacion y Coordinacion Economica.

TABLE XIII

Population According to Economic Activity

Census May 1, 1961

(1,000 people over 10 years old)

	<u>Total</u>	<u>%</u>	<u>Men</u>	<u>%</u>	<u>Women</u>	<u>%</u>
Total	1,696	100.0	826	100.0	870	100.0
Economically Active	807	47.6	663	80.3	144	16.6
Employed	766	45.2	628	76.0	138	15.9
Unemployed	41	2.4	35	4.3	6	.7
Not Economically Active	889	52.4	162	19.6	726	83.4
Students	212	12.5	112	13.6	99	11.4
Housewives	611	36.0	-	-	611	70.2
Other ¹	66	3.9	50	6.0	16	1.8

1. Includes those on pensions, too old to work, on annuities, unable to work because of illness, and other unspecified reasons.

Source: America En Cifras - 1965, Instituto Interamericano de Estadística.

TABLE XIV

Population According to Economic Activity
Metropolitan Area of San 'Salvador

August 1964

(10 years or older)

	<u>Total</u>	<u>%</u>	<u>Men</u>	<u>%</u>	<u>Women</u>	<u>%</u>
Total	254,300	100.0	102,400	100.0	151,900	100.0
Economically Active	133,300	52.5	67,200	65.6	66,100	43.7
Employed	126,700	49.9	62,600	61.1	64,200	42.4
Unemployed	6,500	2.6	4,600	4.5	1,900	1.3
Not Economically Active	121,000	47.6	35,200	34.4	85,800	56.7
Students	59,300	23.3	29,800	29.1	29,600	19.5
Housewives	48,700	19.2	-	-	48,700	32.2
Others	13,100	5.1	5,400	5.3	7,500	5.0

Source: Gómez, Carlos J., Estudio Económico y Social de la Familia del Área Metropolitana de San Salvador (Agosto 1964).

TABLE XV

Underemployment¹ in the Working Force
In the Metropolitan Area of San Salvador
(August 1964)

	<u>Total</u>	<u>Underemployed</u>	<u>%</u>
Employed	126,700	28,000	22.1
Work for Private Enterprise	81,300	15,400	18.9
Work for Own Business	28,700	8,900	31.0
Work for Family Without Pay	7,900	3,300	41.7
Work for Government	8,800	400	4.5
Unemployed	6,500	6,500 ²	100.0

1. Underemployment is defined as those working, except domestic servants, who earn less than 18.00 ¢ per week.
2. Underemployment and unemployment together account for 25.9% of the working force.

Source: Gómez, Carlos J., Estudio Económico y Social de la Familia del Área Metropolitana de San Salvador (Agosto 1964).

TABLE XVI
Level of Urban Housing
According to Number of People per Home
1961

<u>Number of People per House</u>	<u>Number of Houses</u>	<u>%</u>	<u>Total People In Group</u>	<u>%</u>
1	13,405	7.1%	13,405	1.5%
2	21,391	11.4	42,782	4.6%
3	26,291	14.0	78,873	8.6%
4	28,334	15.0	113,336	12.3%
5	27,185	14.4	135,925	14.7%
6 - 9	60,094	31.9	450,705 ¹	48.9%
Unknown	11,580	6.2	86,850 ¹	9.4%
Total	188,280		921,876 ²	100.0%

1. Based on an average of 7.5 people per house.
2. This figure is 95.3% of the total urban population reported in the 1961 census.

Source: Plan de la Nacion Para El Desarrollo Economico y Social, 1965 - 69.

TABLE XVII

Level of Urban Housing

According to Number of Rooms per House

1961

<u>Number of Rooms per House</u>	<u>Number of Houses</u>	<u>Percentage</u>
1	110,794	58.8
2	38,202	20.3
3	15,928	8.5
4	8,861	4.7
5	5,129	2.7
6 - 9	8,053	4.3
Unknown	1,313	0.7
	<hr/>	<hr/>
Total	188,280	100.0

Source: Plan de la Nacion Para El Desarrollo Economico y Social, 1965 - 69.

TABLE XVIII
Level of Housing in the Metropolitan Area
of San Salvador
August 1964

	<u>Number of Houses</u>	<u>Percent</u>	<u>Median Number of People per Room</u>
Very Poor	8,292	14%	4
Poor	20,731	35%	3
Modest	13,623	23%	2
Comfortable	10,069	17%	1
Luxurious	6,515	11%	1

1. Based on a survey of a 5% sample believed typical of housing patterns in metropolitan San Salvador.

Source: Gómez, Carlos J., Estudio Económico y Social de la Familia del Área Metropolitana de San Salvador (Agosto 1964).

TABLE XIX
 Number of Schools and School Children
 By Department
 1964

	Kindergarten		Elementary Schools	
	<u>No. of Schools</u>	<u>No. of School Children</u>	<u>No. of Schools</u>	<u>No. of School Children</u>
Total	187	18,260	2,944	347,546
Ahuachapán	5	420	128	13,298
Santa Ana	17	1,565	285	35,421
Sonsonate	11	658	178	20,599
Chalatenango	7	517	200	15,037
La Libertad	13	1,137	224	27,887
San Salvador	77	8,385	468	96,026
Cuscatlán	7	754	145	15,790
La Paz	6	598	193	18,780
Cabañas	4	340	172	11,861
San Vicente	4	567	158	14,604
Usulután	14	1,002	244	24,745
San Miguel	12	1,409	225	26,799
Morazán	4	323	134	11,758
La Union	6	585	190	14,941

Source: Anuario Estadístico Volumen II - 1964, Dirección General de Estadística y Censos de El Salvador.

TABLE XX

Number of School Children by Age and Grade

October 1964

	<u>Total</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>	<u>4th</u>	<u>5th</u>	<u>6th</u>
Total	347,546	122,941	73,005	53,005	41,001	32,263	25,321
7 years	15,184	14,426	740	18	-	-	-
8 years	40,100	33,111	6,408	561	20	-	-
9 years	47,293	27,533	14,830	4,422	463	45	-
10 years	47,760	18,473	15,517	10,104	3,236	380	50
11 years	45,240	12,089	12,666	10,956	7,046	2,196	287
12 years	41,973	7,596	9,231	9,628	8,419	5,361	1,738
13 years	36,085	4,102	6,130	7,282	7,811	6,800	3,960
14 years	27,808	2,052	3,334	4,506	6,003	6,604	5,309
15 years or older	46,103	3,559	4,149	5,528	8,013	10,877	13,977

Source: Anuario Estadístico Volumen II - 1964, Dirección General de Estadística y Censos de El Salvador

B. Menu Study

A widespread nutrition survey has recently been carried out in El Salvador under the joint auspices of the Ministry of Health of El Salvador, the Office of International Research of the United States of America, and the Institute of Nutrition of Central America and Panama. The preliminary results of the menu study conducted during this survey are shown in Table I.

As can be seen, the average diet is heavily weighted toward cereals, 58.8% of daily consumption. Of this the overwhelming item is tortillas made from white corn, 52.6%. The next most frequently consumed items are milk products 8.5%, vegetables 6.3%, beans and other legumes 6.0%, meat 4.5%, and sugar 4.2%. This breakdown is somewhat surprising as the El Salvadorean diet has traditionally been known as tortillas and beans. However, the bean crops have been poor over the last few years and the price of beans has been steadily rising. Then two factors may have worked to reduce the importance of beans, especially the favored black beans, in the average diet.

Another perspective on urban food consumption patterns is given by examining the makeup of the "Cost of Living Index for Workers in San Salvador, Mejicanos, and Villa Delgado." Of the total index food stuffs account for 53.5%. Within the broad category of foodstuffs the subcategory of bread and cereals accounts for 34%, milk products, fats and eggs for 25%, meat and fish for 16%, roots, vegetables, and fruits for 14%, and miscellaneous food items for 11%. A detailed breakdown of the food part of this index is given in Table II.

This data appears to indicate that tortillas play a much less important role in the eating habits of city dwellers, only about 15% of the index is accounted for by tortillas. Bread is much more important, at 12%, than in the country as a whole. Also, of extreme significance, is the very minor place given to prepared foods except for bread, lard, sugar, coffee and beer.

For quite a few years the country produced insufficient quantities of corn to feed itself. This situation appears to have been overcome during the last two years. The greater availability of corn at reasonable prices coupled with the natural liking for tortillas indicate that corn will continue to be the main staple in the diet.

Although the table indicates that milk and milk products are the second most frequently consumed items in the diet this information is somewhat misleading. Most of the poorer people do not drink milk, either fresh or reconstituted with any degree of regularity. Unlike Americans, most people do not particularly like milk or have any strong underlying belief that milk is good for them or their children. If the use of milk is to be increased its price must be lowered and a good job of education carried out.

Most Salvadorean families do not own land for agricultural production. A small number do own plots averaging from 1.0 - 1.9 hectares.¹ On these they grow mostly corn, beans, and sorghum. The majority of family heads work for others for money and practice agriculture for themselves only on a minimal basis. This, of course, is even more true in the case of urban families. Most families, therefore, have to buy their food at a market, or from food stores.

There appears to be little differentiation between meals eaten at various times of the day. In many families the food is prepared once a day, eaten hot at the noon meal, and then saved and reserved at room temperature for the evening meal. Breakfast is usually the most skimpy meal.

In the poorer areas of the towns and in rural areas most families cook over open fires, either inside or outside the house. Few homes have running water. For maximum acceptance preparation of prepared food mixes should be very simple and require few implements.

1. INCAP, Preliminary Report on the Nutrition Survey of El Salvador, p.7-8

TABLE I

Average Quantities of Various Foods Consumed by El Salvadorean Families Selected for Detailed Study Expressed as Grams per Person per Day -- Calculated from Data Collected by the 24-Hour Dietary (Recall) Collection Method (Grams Based on Weighted per Caput Information).

<u>Food Item</u>	<u>Grams Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Milk Products	85	8.5%
Milk	54	5.4
Fresh cheese from semi non-fat milk	15	1.5
Cream	6	.6
Curds	2	.2
Powdered milk - non-fat	1	.1
Powdered milk - whole	1	.1
Hard cheese from whole milk	1	.1
Cottage cheese		
Cheese dried or semi hard from semi non-fat milk		
Eggs	10	1.0%
Whole eggs	10	1.0
Meat	45	4.5%
Beef	23	2.3
Hog meat	6	.6
Chicken	4	.4
Fresh crab	1	.1
Hen	1	.1
Fresh, fresh-water fish	1	.1

<u>Food Item</u>	<u>Grams Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Fresh salt water fish	1	.1%
Cattle spleen		
Hog heart		
Cracklings		
Pork liver		
Beef intestines		
Beef tongue		
Beef stomach		
Duck		
Raw hog lungs		
Salted dried beef		
Pork kidneys		
Beef brains		
Bacon		
Shrimp		
Oysters		
Canned sardines		
Flounder		
Beef feet		
Pork sausage		
Black pudding		
Salted shrimp		
Dried fish		
Pescadito usar preparado (iluminas)		

<u>Food Item</u>	<u>Grams Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Legumes and Oil Seeds	60	6.0%
Black beans	38	3.8%
Red beans	21	2.1%
Chickpeas		
Sesame		
Cocoa		
Anattotree		
Anattotree seed		
Chan		
White bean		
Peanut butter		
Kidney bean seeds		
Vegetables	63	6.3%
Chayote, guisquil perulero	14	1.4%
Ripe tomatoes	12	1.2%
Guicoyito, ayote, pepian o zapallo tierno	8	.8%
Black kidney beans	5	.5%
Ejote verde	5	.5%
Onion head	4	.4%
Cabbage	4	.4%
Cowpeas	1	.1%
Chile pasa		
Dried chile		
Garlic		
Watercress		
Guicoy - hojas y puntas		

<u>Food Item</u>	<u>Grams Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Onion - leaf and stalk		
Culantro (Cilantro)		
Cauliflower		
Crotalaria		
Chufa		
Spinich		
Mint		
Lettuce		
Fernaldia		
Elote Blanco		
Elote Tierno o Ajilote		
Cucumber		
Parsley		
Motate, Mutas o pollitas		
Radish root		
Carrot - without peel		
Black kidney beans		
Whole onion		
Sweet red or pimento chile		
Green or yellow chile		
Chile guaque verde		
Hierbamora, macuy o quilete - hojas		
Dehydrated chicken soup with fideos		

<u>Food Item</u>	<u>Grams. Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Fruits	26	2.6%
Sweet orange	11	1.1%
Watermelon	5	.5%
Jocoto o ciruela rojo	3	.3%
Ripe guava	1	.1%
Pineapple		
Cherry		
Cuchamper		
Chico, nispero o zapodilla		
Grandilla		
Lime lemon		
Sweet lime		
Lemon		
Mamey		
Mandarin orange		
Apple		
Sunsa o sunzapote		
Tamarind		
Real granadilla		
Ripe papaya		
Green papaya		
Musaceas	18	1.8%
Guineo Majoncho	5	.5%
Ripe plantain	4	.4%
Banana	3	.3%
Green plantain	3	.3%
Guineo pequeno, manzano o datil		

<u>Food Item</u>	<u>Grams Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Roots and Tubercles	14	1.4%
Papas without shell	7	.7
Yucca	6	.6
Camote Palido		
Cereals	26	2.6
Tortillas of white corn with lime	526	52.6
Rice without shell	27	2.7
Sweet bread	13	1.3
French bread	12	1.2
White or black corn	6	.6
Quesadilla	1	.1
Tortilla of yellow corn with lime	1	.1
Tortilla of white corn with lime and ash	1	.1
Tortilla of white corn with ash	1	.1
Maicena		
Polished rice		
Galletas de soda		
Maicillo		
Wheat - whole grain		
Wheat - flour of the country		
Flour of imported wheat		
Wheat - foreign flour		
Oats		
Vermicelli		

<u>Food Item</u>	<u>Grams Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Flour of grain		
Macaroni		
Sweet crackers		
Marquesote		
Bread of egg yolks		
Pan Solpor		
Pan Semita alta		
Trigor O Trigo Precocido		
Sugars	42	4.2%
Sweet white granulated sugar	25	2.5%
Brown sugar	16	1.6%
Juice of cane sugar		
Caramels		
Milk chocolates		
Fats	16	1.6%
Lard of pork	10	1.0%
Vegetable lard	4	.4%
Pure oil - all kinds	1	.1
Butter without salt		
Vegetable or animal margarine		
Miscellaneous	34	3.4%
Coffee prepared without sugar	15	1.5
Coffee - toasted grains	7	.7
Pork tamale	5	.5
Corn meal drink	1	.1
Horchata	1	.1

<u>Food Item</u>	<u>Grams Per Person Per Day</u>	<u>Percent of Total Food Consumption</u>
Vinegar		
Cafe soluble		
Chocolate tablets		
Ice cream		
Ice cream cones		
Red wine		
Beef gravy		
Frita de Guineo		
English sauce		
Apple juice		
Brandy		
Other soda water		
Refrescos lulu		
Cubitos Maggi		
Milo		
Orange juice		

Source: Preliminary Data for Nutrition Survey of El Salvador from
Office of International Research of the National Institutes
of Health of the United States of America

TABLE II

Food Items in the Cost of Living Index

For Workers in San Salvador, Mejicanos, and Villa Delgado

<u>Item</u>	<u>Weight of Item</u>	<u>Weight of Subgroup</u>	<u>% of Total Weight for Foodstuffs</u>
Bread and Cereals		34.583	34.0%
Rice	5.514		5.4
Sweet Bread	6.313		6.2
French Bread	5.585		5.5
Pasta	0.874		0.8
Tortillas	15.647		15.4
Tamales	0.650		0.6
Meat and Fish		16.175	15.9%
Beef	6.510		6.4
Beef Bones	0.692		0.6
Beef Viscera	0.402		0.4
Pork	3.078		3.0
Sausage	1.208		1.2
Cracklings	0.352		0.3
Chicken	2.635		2.6
Fresh Fish	1.298		1.3
Milk Products, Fats, and Eggs		25.239	24.8%
Fresh Milk	7.336		7.3
Powdered Milk	0.874		0.8
Cream	1.511		1.5
Cheese	2.741		2.7
Butter	0.413		0.4
Lard	7.363		7.3
Cooking Oil	0.936		0.9
Eggs	4.066		4.0
Roots, Vegetables, and Fruits		14.608	14.4%
Onions	0.872		0.8
Potatoes	0.590		0.6
Radishes	0.104		0.1
Yucca	0.233		0.2
Carrots	0.123		0.1
String Beans	0.404		0.4
White Beans	0.227		0.2
Red Beans	3.402		3.4
Black Beans	2.242		2.2

<u>Item</u>	<u>Weight of Item</u>	<u>Weight of Subgroup</u>	<u>% of Total Weight for Foodstuffs</u>
Roots, Vegetables, and Fruits (con't)			
Hisquil	0.244		0.2%
Squash	0.202		0.2
Cabbage	0.200		0.2
Tomatoes	2.237		0.2
Avocadoes	0.446		0.4
Sweet Chili	0.105		0.1
Bananas (Guineo majoncho)			
	0.632		0.6
Bananas (Guineo de seda)			
	0.538		0.5
Plaintains	0.661		0.6
Oranges	1.062		1.0
Lemons	0.084		0.1
Miscellaneous Food Stuffs		10.978	10.8%
Canela	0.077		0.1
White Sugar	3.063		3.0
Panela	0.322		0.3
Salt	0.441		0.4
Garlic	0.113		0.1
Meat Soup	0.410		0.4
Soda Pop	0.600		0.6
Beer	1.250		1.2
Refreshment Drinks	0.779		0.7
Molido Coffee	3.923		3.9

Source: Instituto Interamericano de Estadística, Metodología Utilizada por los Naciones Americanas en la Elaboración de sus Índices de Precios al Consumidor (Costo de la Vida) p. 131-132.

C. Nutritional Levels

The recent INCAP survey indicates that "the daily average intake of food for the country as a whole provides less than 90% of the caloric recommendations. Since only 8% of the population receives 50% of the total income the other 92% are at a real disadvantage in their ability to acquire the basic foods. Animal proteins are consumed only at a level of about three-fifths of recommendations and show a tendency to decrease even more as the population increases without a corresponding increase in their production."¹ The high level of apparent animal protein intake comes principally from having averaged in all families. "If these consumption patterns were broken out by socio-economic levels, this picture would have looked much less good." "From previous experience it is known that in many areas and families protein is deficient because of abnormal distribution and availability of protein foods among families and even within family members."²

Nutrients Ingested and Their Adequacy³

<u>Nutrients</u>	<u>Intake</u>	<u>Adequacy %</u>
Calories	1914 mg.	83
Proteins	59.51 g.	93
Calcium	1065 mg.	197
Iron	9.6 mg.	96
Vitamin A	773 UI	21.5
Thiamin	0.89 mg.	74
Riboflavin	0.69 mg.	63
Niacin	9.92	83
Ascorbic Acid	25 mg.	56

The INCAP survey found that "the averages for height and weight of children under eight years of age indicate chronic protein calorie malnutrition." The figures gathered indicate retardation in both height and weight beginning about six months of age (time of weaning) and increasing progressively as the children grow older." It should be noted that both the average and one standard deviation above the average fall below the INCAP curve for well nourished children of the same age pointing toward poor weaning practices and deficient intake during the pre-school age period."⁴

1. INCAP, Preliminary Report on the Nutrition Survey of El Salvador, p.7-8
2. Ibid, p.8-9
3. Ibid, p.8
4. Ibid. p. 11

A census taken in 1963 in 15 health departments in El Salvador indicated that of 1371 children under five years old who were examined only 25% (390 children) had normal weight. Forty percent (556 children) were classified as suffering from first grade malnutrition, 29% (397 children) were suffering from second grade malnutrition, and 5% (68 children) were suffering from third grade malnutrition.¹

According to the survey, there is a strong feeling of need on the part of most families to include more vitamin and protein rich foods in their diet. High food cost is presently the strongest deterrant to carrying out this desire. However, there appears to be little familiarity with nutritional diseases or specific knowledge of symptoms.

The average daily caloric intake has apparently gone down and then up again over the past fifteen or so years. In 1950 the minimum daily supply was estimated at 2,307 calories per person. By 1962 this had dropped to 1,362.² For 1965 this had increased again to 1,914. Improved corn crops probably have had the major effect in this area. If so, average daily caloric intakes for 1967 are probably close to those levels registered in 1950.

1. Ticas, Dr. Jose Maria, Quinonez Meza, Alfonso, Osegueda, Dr. Vital, and Cader, Alfonso. Conference of the Americas on Malnutrition as a Factor in Development, Country Report for El Salvador, p.1
2. Ibid, p.4

D. Local Government Programs

Most feeding programs in El Salvador are carried out by Caritas de El Salvador, an affiliate of the world wide Catholic Relief Services. The only direct involvement of the government is the Maternal-Child Health Program. The National Health Service is responsible for the distribution of milk to pre-school children. The program is directed to 45,000 pre-schoolers. Milk is distributed through the many local health centers.

With government financial support, Caritas operates the School Lunch Program and the Institutional Feeding Program. The School Lunch Program, which serves about 125,000 children, really consists of giving snacks - a glass of milk and crackers, or bulgar, etc., during the middle of the school period. In the morning this is about 10:00 A.M. The main purpose is to supplement the inadequate diets found in the home. Not all schools are covered by this program - only about 540 out of a total of approximately 2,850. Lack of funds precludes further expansion at this time. Apparently the Ministry of Education also operates a small School Lunch Program which is separate from Caritas efforts.

The Institutional Program is directed toward the needy. About 20,000 people are aided with food in this fashion. In addition Caritas operates feeding centers where destitute women and children receive a hot meal daily. Approximately 500 people are aided in this fashion.

The Vaso de Leche Program is directed at young children. Presently, about 10,000 children are receiving milk daily under this program. The Peace Corps is also connected with this program.

There is a Family Feeding Program which is carried out from about 285 distribution centers and gives out 140,000 individual meals per year. Food for Work Programs, also affiliated with the Peace Corps, assist others.

Most of the food used in the many Caritas programs is donated by the United States through the Catholic Relief Services under PL 480.

In addition to these public assistance programs there are several large hospitals in San Salvador and centers for treatment of severe malnutrition problems which also fall into this general area of feeding for nutritional purposes.

E. Food Industry

Manufacturers

Although the information presented in Tables I and II is not consistent and can't be directly compared, there is little doubt that the food industry as a whole in El Salvador is growing. The gross product for 1964, with several categories of food manufacturing missing, is substantially larger than that for 1961. The 1965 figures, which are even more skimpy, indicate that further growth occurred.

Due to the inclusion of figures for coffee preparation, the impact of the food industry as a whole is overstated. In 1961 the food industry accounted for 54% of total industrial output. If those industries associated with coffee are excluded (most coffee is exported) the food industry's share drops to 24%. If we also exclude about half of the sugar production on the grounds that it too is exported, the overall value of the domestic food industry for 1961 was about \$125 million, or 20% of total industrial production. The same general relationships appear to have held through 1964.

Prior to 1961 the food industry grew slower than the industrial economy as a whole according to most measures. Indications are that from 1961 to date the food industry has done a better job in keeping up with the rest of industry growth.

% Change 1951/1961

	<u>All Industry</u>	<u>Food Industry</u>
No. of Establishments	122.6%	29.8%
Personnel Employed	60.2	79.3
Wages Paid	108.2	147.1
Value of Raw Materials	72.3	48.6
Value of Gross Product	90.7	57.6
Value Added	99.6	61.1

Source: Direccion General de Estadistica y Censos, Tercer Censo Industrial, 1961, p. XIII-XX.

For 1965, the largest reported segment of the food industry appeared to be the manufacture of margarine and edible oils with flour milling a distant second. The available figures, however, do not include slaughterhouses or meat preparations which in 1961 was the major segment oriented primarily to domestic food consumption.

Table III sets out, for 1961 and 1964, the production of various food items by industry. Table IV gives the same type of information for 1965. Table V groups the data for 1961 across industry lines to detail total production of various food types. Not surprisingly the largest single product was coffee, with sugar second.

Of interest to the area of this contract is the $\text{Q}3.3$ million worth of fresh milk and cream, $\text{Q}.26$ million worth of powdered milk and $\text{Q}5.5$ million worth of soft drinks produced in 1961. By 1965 fresh milk and cream had crept up to $\text{Q}3.4$ million, powdered milk had dropped from the list of separately identified products, soft drinks had soared to $\text{Q}48.8$ million, and powdered drinks had moved onto the scene with $\text{Q}.95$ million. Imports of powdered milk are an important factor, but no information was uncovered which indicates the quantity or value of them.

Tables VI, VII and VIII detail the raw material consumption of the food industry for 1961, 1964, and 1965. Once again, these tables are not directly comparable as information is not given in all periods for certain industries, and industries are defined in different ways at various times.

Omitting the coffee industry which centers around Santa Ana, San Salvador is the center of the food industry (Table IX). La Libertad is close behind, according to 1961 data. Analysis of 1965 information indicates that San Salvador has probably increased its lead as the major food manufacturing center for domestic consumption.

The information shown in Table X shows that although the four largest food manufacturing establishments with sales of $\text{Q}10$ million or more were an infinitesimal portion of the total number, they accounted for about 14% of total gross product. Those firms selling more than $\text{Q}100,000$ annually accounted for 95% of total gross product, even though they were only 17% of all the companies in the business.

Although there is no information available identifying food manufacturers by sales, Table XVI does rank the larger ones by financial strength. There probably is a rough and ready correlation between the two. Putting aside the sugar, coffee and shrimp packing companies, which are mainly export oriented, we find that the largest firms are in the oil crushing and related finished food products industry, the flour industry, the brewing and soft drink industry, and the instant coffee industry. All of these require large amounts of capital equipment to operate. Except for instant coffee, most of the products made are basic of their type, and used only in the form prepared by the manufacturer. Wheat in El Salvador is used in the form of flour. There is no local tradition of home use of wheat in any home prepared fashion. Corn, on the other hand, is traditionally prepared at home for use in making tortillas. There are no corn processors on this list of food manufacturers.

In looking over the balance of this list of food manufacturers the point is reemphasized that most foods produced are basic to their kind. There are few convenience food makers, and those present such as dehydrated soup and miscellaneous prepared food manufacturers, are apt to be rather small.

Tables XI through XV detail those food manufacturing establishments that employ four or fewer persons. In 1961 this group did a bit more than 10% of total food industry business. There is no reason to suppose this segment has become more important during more recent years.

Most of the more sophisticated food products or convenience products found in El Salvadorean markets come from outside the country. U.S. products, such as prepared soups, canned vegetables, and specialty items are important. Many products such as gelatin, baking mixes, and fruit nectars come from Guatemala. Other items such as powdered milk and canned fish come from Europe.

Distribution

Most manufactured food moves to the final retail outlet through distributors. Sometimes, especially in outlying areas, there may be two levels of middlemen, the distributor and a "mayorista," or sub distributor. The distributor generally employs two types of salesmen - the regular salesman who calls on the bigger retail stores and sells on credit and "routeros" who drive panel trucks and sell, deliver, and collect from the smaller retail stores. The regular sales force might sell to mayoristas as well as to retail stores. The mayorista then performs a distribution function similar to the routero.

Some food or allied product manufacturers, most notably Colgate and Standard Brands, have set up their own distribution networks and retail sales force. Most food manufacturers, either local or foreign, work through the established distributors. Table I shows that in 1961 there were 157 distributors active in the general food area. Of these nine specialized in miscellaneous food products and three were principally importers. A somewhat interesting category of mixed trade, i.e., some wholesale and some retail, also exists. In this area there were 415 firms operating in 1961.

By 1964 the number of wholesalers in food products had dropped to 52 although the number of their employees had increased and their gross sales had gone up by 61%. This indicates the distribution function is moving into stronger hands. Probably, as distributors get larger they will be able to give both manufacturer and retailer better service. Also, the number of middlemen required to get adequate distribution will decrease.

A list of distributors is shown in Table IV. Trade sources indicate that Compania Distribuidora is probably the largest food products wholesaler with Nasser second. Other businesses may have been lumped in with distributing functions to come up with the ranking shown in the table. Compania Distribuidora handles Unilever products along with other lines. Among other items Nasser handles Proctor and Gamble and Kern lines.

The distributor works on an average margin of 15%. This is reflected in a discount from the manufacturer's list price. For this the distributor assumes ownership of the goods, sells, extends credit, invoices, collects payment, and physically distributes the product to the retail outlets. Terms of sale to the distributor are commonly cash 30 days. Payment is generally within 60-90 days of invoice date.

Retailers

The 1964 data book shows 2,498 retailers who deal in foodstuffs to some degree. This is down from 12,194 in 1961. Some of this difference undoubtedly is due to a shrinkage in numbers as stores get larger as the economy improves. But a great part is probably due to the fact that 1961 data is based on a complete census, whereas the 1964 data is not. Also, it will be noted that the gross retail sales in foodstuffs in 1964 are only half those in 1961. It stands to reason that this did not actually occur.

In San Salvador, in the wealthier neighborhoods, there are a few "supermercados" - or vest pocket supermarkets by U.S. standards. These are mainly oriented to selling dry groceries and U.S. type food products. Most sales of meat and vegetables, in these areas as in the poorer neighborhoods, take place in the market. The housewife may do her own shopping in the supermercado or specialty store, but where there are maids, shopping in the market is usually done by the maid.

There are literally thousands of small shops, general stores, etc. that sell food products. In poor neighborhoods of the cities and towns there may be several of these in a given block. Each has its stock of small packaged items. One product which is especially widely found is Kern's nectars. Exposure of a mass food product to a great number of potential consumers should not be too difficult.

Supermarkets work on a margin of about 20%. Trade sources indicate that this is also satisfactory for most of the smaller shops also. A scheme of how these discounts and markups would look for a hypothetical product with a manufacturer's list of 1.00 colones is as follows:

Distributor pays .85 colones

Retailer - supermarket - pays .95 colones
- small store - pays 1.00 colones

Consumer - in a supermarket - pays 1.09 colones
- in a small store - pays 1.20 colones

If a mayorista is involved he will probably get part of the distributor's margin, i.e., buy at ¢.90 or ¢.95 - and tack on a bit more, i.e., sell to the store at ¢1.00 to ¢1.05. In rural areas or small towns, or in a small urban store the final price to the consumer may well be higher than for the same item in supermarkets or in larger stores in more easily accessible areas.

TABLE I

General Resume of the Food Manufacturing Industry by Group

(Establishments with 5 or more employees)

1961							1964				
Value in colones:							Value in colones:				
Code	Industry Group	No. of Establishments	No. of Employees	Wages Paid	Raw Materials	Gross Product	No. of Establishments	No. of Employees	Wages Paid	Raw Materials	Gross Product
20	Food manufacturing except drinks	1,620	34,124	17,485,829	239,038,663	349,480,445					383,422,924
201	Livestock slaughtering and preparation of meat	78	2,007	715,107	24,928,843	31,891,867					
2011	Slaughterhouses	74	1,985	702,032	24,816,962	31,705,563					
2012	Meat cutters	2	10	-	25,600	31,777					
2014	Preparation of ham, bacon and sausages	1	7	13,075	79,491	139,360	2	21	43,955	304,547	508,526
2016	Manufacture of lard and other edible animal fats	1	5	-	6,790	15,167	7	10	1,636	74,127	88,106
202	Milk products	23	469	728,242	5,432,067	8,505,984					
2021	Manufacture of milk products such as cheese, butter and cream	13	227	321,646	3,747,903	5,311,755	11	197	287,444	4,416,245	5,335,742
2022	Milk homogenizing, pasteurizing, and bottling plants	3	103	117,363	1,121,219	1,660,128	4	273	367,772	2,492,725	3,588,244
2023	Manufacture of ice cream and sherbet	7	139	289,234	562,945	1,534,101	7	131	269,112	901,441	2,026,232

1961							1964				
Code	Industry Group	No. of Establishments	Value in colones:			Gross Product	No. of Establishments	Value in colones:			
			No. of Employees	Wages Paid	Raw Materials			No. of Employees	Wages Paid	Raw Materials	Gross Product
203	Canning and preserving fruits and vegetables	5	180	284,476	670,507	1,627,940					
2032	Canning fruit juices and vegetables	1	25	86,331	225,810	702,765	2	68	133,641	217,830	589,721
2033	Manufacture of marmalades and jellies						1	3	3,354	22,742	49,200
2034	Manufacture of pickles, sauces and soups	2	47	88,670	52,315	290,972					
2035	Manufacture of dehydrated soups						1	-	-	49,926	155,915
2039	Dehydration and quick freezing fruits and vegetables	2	108	109,475	392,382	634,203					
204	Canning and preserving fish and other seafood	2	263	603,420	6,015,557	10,055,097					
2041	Salting, drying, dehydrating, smoking, and curing fish, shrimp and other seafood	1	159	454,352	6,012,944	9,750,097					
2049	Preserving and canning other seafood, n.e.p.	1	104	149,068	2,613	305,000					
205	Milling	185	16,615	7,999,443	163,128,119	212,905,560					
2051	Corn milling						240	303	158,985		908,808
2052	Flour milling	2	122	309,768	6,065,120	9,226,357	2	122	536,204	11,094,659	15,267,764

1961							1964				
Value in colones:							Value in colones:				
Code	Industry Group	No. of Establishments	No. of Employees	Wages Paid	Raw Materials	Gross Product	No. of Establishments	No. of Employees	Wages Paid	Raw Materials	Gross Product
2053	Rice beneficiating	4	40	44,687	539,175	744,792	9	83	113,242	7,530,756	8,565,970
2054	Rice milling	2	27	38,188	279,000	494,365	4	7	2,700	25,388	44,528
2055	Coffee beneficiating	91	14,962	7,190,543	144,743,853	187,281,411	171	17,626	7,506,296	174,538,176	236,606,107
2056	Coffee stoning and threshing	86	1,464	416,257	11,500,971	15,158,635					
2059	Miscellaneous milled products						1	41	97,060	143,778	373,025
206	Bakery products	146	1,538	1,631,714	8,105,667	14,243,278					
2061	Baking bread, pastry and cookies	144	1,525	1,626,460	8,076,444	14,190,678	100	1,447	1,893,581	7,083,270	12,558,506
2062	Manufacture of edible cones						1	23	20,531	67,246	187,616
2069	Miscellaneous bakery products	2	13	5,254	29,223	52,600					
207	Sugar refining	1,126	11,315	2,302,265	10,874,090	34,520,935					
2071	Sugar crushing	20	2,516	1,406,587	8,048,846	25,589,495	19	5,447	3,072,648	11,063,696	21,313,614
2072	Sugar refining	1	153	275,941	101,617	2,344,120	1	158	357,192	181,500	3,138,793
2073	Grinding for panela and loaf sugar	1,105	8,646	619,737	2,723,627	6,587,320	2,801	17,149	668,809	2,758,882	5,509,910
208	Cocoa, chocolate and confectionary manufacture	14	418	381,531	1,114,072	2,635,675					
2081	Manufacture of confectionary and sweets	13	329	273,508	993,702	2,250,175	12	341	454,686	1,214,632	3,218,665

1961							1964				
Value in colones:							Value in colones:				
Code	Industry Group	No. of Establishments	No. of Employees	Wages Paid	Raw Materials	Gross Product	No. of Establishments	No. of Employees	Wages Paid	Raw Materials	Gross Product
2083	Manufacture of cocoa and chocolate products						1	8	4,320	67,938	86,294
2089	Miscellaneous confectionaries	1	89	108,023	180,370	385,500					
209	Other food products	41	1,319	2,839,631	18,769,741	33,094,109					
2091	Manufacture of margarine, cooking fats, table and salad oils	5	697	1,416,458	10,879,928	17,779,320	6	558	2,204,617	36,779,713	45,389,175
2092	Ice manufacture	4	90	252,687	18,996	481,987	26	152	322,523	17,928	1,102,529
2093	Manufacture of extracts, honey and syrups	1	5	4,880	28,032	58,500	2	10	11,957	24,068	75,830
2094	Pasta manufacture	6	85	74,894	333,732	761,509	6	123	158,751	513,156	1,176,476
2095	Tortilla manufacture	2	10	1,096	7,702	15,522					
2096	Toasting and grinding coffee	7	194	736,793	4,918,664	10,037,870	12	244	511,500	3,298,340	5,080,360
2097	Manufacture of ices, sherbets, etc., except those made exclusively from milk						2	22	20,200	48,654	189,634
2098	Feed manufacturing	7	126	286,822	2,501,969	3,625,578	6	133	497,076	7,310,790	9,222,556
2099	Other miscellaneous food products	9	112	66,001	80,718	333,823	2	38	36,908	363,196	1,065,527

Source: Direccion General de Estadistica y Censos, Tercer Censo Industrial, 1961, p. 2-5

Source: Direccion de Estadistica y Censos Anuario Estadistico, Volumen II p. 322-325

TABLE II

General Resume of the Food Manufacturing Industry by Group
(Establishments with 5 or more employees)
1965

<u>Industry Group</u>	<u>No. of Employees</u>	<u>Value in colones</u>		
		<u>Wages Paid</u>	<u>Raw Material</u>	<u>Gross Product</u>
Manufacture of milk products such as cheese, butter, and cream	106	214,647	2,355,482	2,963,676
Milk homogenizing, pasteurizing, and bottling plants	134	479,147	1,907,855	3,355,325
Manufacture of ice cream, sherbets made from milk	94	228,062	456,741	1,258,884
Canning fruit juices and vegetables	68	104,484	241,461	762,850
Manufacture of jams, marmalades, and jellies	5	7,824	43,402	65,450
Manufacture of dehydrated soup	-	-	95,085	470,279
Corn milling	37	86,654	162,858	353,624
Wheat milling	138	650,837	11,931,705	17,330,088
Rice beneficiating	100	187,705	9,029,773	11,496,814
Bakeries	1,264	1,787,839	6,136,005	11,148,508
Manufacture of edible cones	63	34,426	70,679	173,584
Manufacture of confectionary and sweets	351	573,969	1,223,005	3,264,174
Manufacture of margarine, cooking fats, table or salad oils	623	2,294,992	39,171,177	49,875,020
Manufacture of ice	57	165,417	23,344	653,961
Manufacture of pasta	98	137,195	426,873	1,019,391
Toasting and grinding coffee	267	540,278	2,647,426	4,285,296
Manufacture of feed	124	439,815	8,954,920	10,841,760
Other miscellaneous food industries	59	87,971	423,924	1,285,880

Source: Direccion General de Estadistica y Censos, Boletin Estadistico Numero 68, p. 314 - 315

TABLE III

Output of Various Industry Groups, 1961 and 1964

(Establishments with 5 or more employees)

Code	Industry and Products Made	1961			1964				
		No. of Establishments	Unit	Quantity	Value in colones	No. of Establishments	Unit	Quantity	Value in colones
<u>2011</u>	Municipal slaughterhouses	74			31,705,563				
011-01	Fresh beef		Kg.	9,036,723	12,957,230				
011-03	Fresh pork		Kg.	4,105,635	8,294,253				
012-01	Pork products, dried, salted, or smoked (bacon, ham, sausage, etc. not packaged)		Kg.	3,263,125	3,799,012				
211-01	Cowhides		Kg.	2,819,194	1,129,901				
211-09	Pighides		Kg.	1,357,095	413,528				
291-01	Bones		Kg.	3,054,292	1,823,893				
411-02	Tallow		-	2,086,415	1,061,372				
	Other		-	-	2,226,374				
<u>2012</u>	Meat cutters	2			31,777				
011-01	Fresh beef		Kg.	1,656	2,700				
011-03	Fresh pork		Kg.	8,059	17,040				
012-01	Pork products, dried, salted, or smoked (bacon, ham, sausage, etc. not packaged)		Kg.	6,826	7,680				
211-01	Cowhides		Kg.	247	107				

1961						1964				
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones	
211-09	Pig Hides		Kg.	2,613	1,164					
291-01	Bones		Kg.	883	384					
411-02	Tallow		Kg.	248	108					
	Others		-	-	2,594					
<u>2014</u>	Preparation of ham, bacon, and sausages	1			139,360	2			508,526	
012-01	Pork products dried, salted, or smoked (bacon, ham, sausage, etc.) not packaged		Kg.	4,784	27,040		Kg.	48,599	179,044	
013-01	Meat of any kind prepared as sausage and similar products, not packaged		Kg.	43,056	112,320		Kg.	50,149	111,064	
	Others		-	-	-		-	-	218,418	
<u>2016</u>	Manufacture of lard and other edible animal fats	1			15,167	7			88,106	
012-01	Pork products dried, salted or smoked (bacon, ham, sausage, etc.) not packaged		Kg.	997	2,167		Kg.	9,986	26,797	
091-02	Lard		Kg.	4,875	13,000		Kg.	29,657	61,309	
<u>2021</u>	Manufacture of milk products such as cheese, butter	13			5,311,755	11			5,335,742	
021-01	Fresh milk		Ltr.	1,323,664	485,965		Ltr.	761,674	271,069	

1961						1964			
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones
021-02	Fresh cream		Ltr.	592,919	1,372,765		Ltr.	748,678	1,856,620
022-02	Powdered milk		Kg.	154,805	260,970		-	-	-
023-01	Butter		Kg.	107,894	322,647		Kg.	86,066	289,876
024-01	Cheese		Kg.	1,614,524	2,567,441		Kg.	1,892,495	2,874,953
029-08	Ice cream sticks		-	-	-		-	-	9,308
029-09	Ice cream		-	-	-		-	-	9,870
	Others		-	-	301,967		-	-	24,046
<u>2022</u>	Milk homogenizing, pasteurizing, and bottling plants				1,660,128	4			3,588,244
021-01	Fresh milk		Ltr.	2,685,102	1,219,962		-	-	-
021-02	Fresh cream		Ltr.	22,084	43,148		-	-	-
022-01	Condensed or evaporated milk and cream		-	-	-		Ltr.	3,647,687	1,716,067
022-02	Powdered milk		-	-	-		Kg.	15,392	29,397
023-01	Butter		Kg.	61,890	285,233		Kg.	121,975	483,237
024-01	Cheese		Kg.	54,564	50,215		Kg.	162,558	341,805
029-08	Ice cream sticks		-	-	-		-	-	50,498
029-09	Ice cream		Ltr.	41,269	30,997		-	-	211,409
	Others		-	-	30,573		-	-	253,299

1961						1964			
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones
<u>2023</u>	Manufacture of ice cream and ice cream sticks	7			1,534,101	7			2,026,232
021-01	Fresh milk	-	Ltr.	266,708	160,625	-	-	-	
029-08	Ice cream sticks	-	Hundred	126,198	773,931	-	-	-	1,040,661
029-09	Ice cream	-	Ltr.	407,790	506,911	-	-	-	678,079
	Others	-	-	-	92,634	-	-	-	307,492
<u>2032</u>	Canning fruit juices and vegetables	1			702,765	2			589,721
053-03	Jelly and marmalade	-	-	-	-	-	Kg.	21,487	46,710
053-05	Fruit juices	-	-	-	-	-	Ltr.	279,415	397,304
055-02	Juices, pastes, and purees of vegetables	-	-	-	-	-	Kg.	52,224	56,530
	Others	-	-	-	702,765	-	-	-	89,177
<u>2033</u>	Manufacture of marmalade and jellies	-	-	-	-	1			49,200
053-03	Pineapple jelly	-	-	-	-	-	Kg.		

1961						1964			
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones
<u>2034</u>	Manufacture of pickles, sauces, and soups	2			283,679				
053-03	Jellies and marmalades		Kg.	575	5,173				
061-06	Honey and syrup		Gal.	2,957	5,174				
	Others		-	273,332					
<u>2035</u>	Manufacture of dehydrated soups					1			155,915
013-19	Soups						Doz.	50,184	155,915
<u>2039</u>	Dehydration and quick freezing fruits and vegetables	2			634,203				
221-02	Copra		Kg.	1,726,656	634,203				
<u>2041</u>	Salting, drying, dehydrating, smoking and curing fish, shrimp and other seafood	1			9,647,180				
031-03	Shellfish, mollusks, oysters, etc.		Kg.	2,430,201	9,647,180				
<u>2049</u>	Preserving and canning other seafood, n.e.p	1		-	-				

1961						1964			
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones
<u>2051</u>	Corn milling					240			-
<u>2052</u>	Flour milling	2			9,226,357	2			15,267,764
046-01	Wheat flour		Kg.	21,836,817	9,161,077		Kg.	33,548,771	14,395,498
046-02	Fine wheat flour						Kg.	2,835,100	293,159
081-02	Bran and other secondary products		Kg.	1,000,960	65,280		Kg.	7,148,462	579,107
<u>2053</u>	Rice beneficiating	4			625,139				8,556,774
042-01	Whole rice						Kg.	1,459,756	83,043
042-02	Polished rice		Kg.	1,391,824	590,326		Kg.	19,871,969	8,262,278
042-03	Rice shells						Kg.	2,050,848	209,718
081-02	Bran and other secondary products		Kg.	265,790	26,503				
	Others			-	8,310		-	-	1,735
<u>2054</u>	Rice milling	2			386,215	4			35,416
042-02	Polished rice		Kg.	770,040	351,340				
047-09	Rice flour						Kg.	92,368	35,416
081-02	Bran and other secondary products		Kg.	12,834	2,232				
	Others			-	32,643				

1961						1964			
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones
<u>2055</u>	Coffee beneficiating	91			185,751,746	171			236,391,114
071-02	Cafe en cereza		Kg.	949,394	534,180	-		-	192,707
071-03	Cafe en pergamino		Kg.	10,607,642	15,347,732	-		-	24,731,221
071-04	Cafe en oro		Kg.	99,248,999	164,980,884	-		-	211,467,186
	Others		-	2,998,556	4,888,950				
<u>2056</u>	Coffee stoning and threshing	86			15,064,458				
071-02	Cafe en cereza		Kg.	257,278	171,268				
071-03	Cafe en pergamino		Kg.	10,849,745	14,664,196				
071-04	Cafe en oro		Kg.	160,448	228,994				
<u>2059</u>	Miscellaneous milling products					1			373,025
055-04	Kernel corn						Kg	249,407	373,025
<u>2061</u>	Baking bread, pastry and cookies	144			14,190,478	100			12,558,506
029-09	Ices, sherbets of any type		Ltr.	1,560	3,120				
048-04	French bread		-	-	3,882,852			-	4,306,754
048-06	Sweet goods, crackers, cookies and similar products		-	-	10,251,997			-	7,980,510
	Others		-	-	52,509			-	271,242

1961						1964				
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones	
<u>2062</u>	Manufacture of edible cones					1			187,616	
048-05	Cones							7,893	187,616	
<u>2069</u>	Miscellaneous bakery products	2			52,600					
048-06	Sweet goods, crackers, cookies and similar products		-	-	43,400					
062-01	Sweets of any type		-	-	9,200					
<u>2071</u>	Sugar crushing	20			25,589,495	19			21,313,614	
061-01	Unrefined sugar		Kg.	19,379,754	9,736,756		Kg.	19,699,500	7,500,753	
061-03	Pure honey		Gal.	3,820,739	533,967		Gal.	5,589,808	814,416	
061-11	Raw sugar		Kg.	42,163,830	15,190,002		Kg.	43,196,668	12,935,671	
061-12	Golden sugar		Kg.	3,200	1,050		Kg.	9,062	3,152	
061-13	Sulfited golden sugar			252,407	127,720		Kg.	179,354	59,622	
<u>2072</u>	Sugar refining	1				1				
<u>2073</u>	Grinding for panela and loaf sugar	1105			6,587,150	2,801			5,509,910	
061-03	Pure honey		Gal.	15,506	3,744					
061-04	Panela		Kg.	33,079,818	6,482,618		Kg.	28,286,136	5,384,222	

1961						1964			
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones
061-05	Loaf sugar		Kg.	186,345	87,664		Kg.	260,072	122,238
061-06	Honey and syrup		Gal.	39,420	13,077				
	Others		-	-	47		-	-	3,450
<u>2081</u>	Manufacture of confectionary and sweets	13			2,250,175	12			3,218,655
062-01	Sweets of all kinds		-	-	2,191,348				3,218,655
073-01	Chocolate and chocolate products		Kg.	42,443	58,827				
<u>2083</u>	Manufacture of cocoa and chocolate products					1			86,294
073-01	Chocolate and chocolate products						Kg.	33,079	86,294
<u>2089</u>	Miscellaneous confectionary and sweets	1	-	-	385,500				
048-06	Sweet goods, crackers and similar products		-	-	120,000				
221-01	Peanuts		Kg.	48,300	157,500				
	Others		-	-	108,000				

1961						1964			
Code	Industry and Products Made	No. of Establishments	Unit	Quantity	Value in Colones	No. of Establishments	Unit	Quantity	Value in Colones
<u>2098</u>	Feed manufacturing	7			3,476,203	6			9,222,556
081-03	Concentrates		Kg.	14,951,702	3,460,780		Kg.	40,147,279	9,222,556
	Others		-	-	15,423				
<u>2099</u>	Miscellaneous food manufacturing	9			333,823	2			1,065,527
048-08	Finely ground corn flour		Hundred bags	45,912	269,563				
062-02	Desserts, gelatin, custards, puddings						Kg.	310,268	955,144
099-09	Yeast						Kg.	41,744	37,203
599-03	Starch		Kg.	270,112	64,260				
272-05	Refined salt						Kg.	162,265	69,348
	Others						-	-	3,832

Source: Direccion General de Estadistica y Censos, Tercer Censo Industrial, 1961, p. 92-94

Source: Anuario Estadistico, Vol. II, 1964, p. 286-288

TABLE IV

Output of Various Industry Groups
(Establishments with 5 or more employees)

1965

<u>Industry and Product</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
<u>Manufacture of milk products such as cheese, butter and cream</u>			2,963,676
Cream	Ltr.	351,309	831,495
Homogenized and pasteurized milk	Ltr.	789,381	279,167
Butter	Kg.	72,161	246,110
Ice cream sticks	-	-	10,300
Hard cheese	Kg.	51,868	113,606
Fresh cheese	Kg.	576,403	749,554
Butter cheese	Kg.	179,308	590,985
Cottage cheese	Kg.	105,079	54,781
Ice cream	-	-	11,204
Cheese wedges	Kg.	10,786	40,730
Others	-	-	35,744
<u>Plants for homogenizing, pasteurizing, and bottling milk</u>			3,335,325
Cream	Ltr.	110,231	261,456
Homogenized and pasteurized milk	Ltr.	3,249,851	1,513,878
Flavored milk	Ltr.	117,371	56,024
Butter	Kg.	68,782	263,879
Ice cream sticks	-	-	49,760
Fresh cheese	Kg.	209,521	265,154
Butter cheese	Kg.	18,892	53,838
Ice cream	-	-	208,247
Others	-	-	683,089

<u>Industry and Product</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
<u>Manufacture of ice cream and ice cream sticks</u>			1,258,884
Ice cream sticks	-	-	628,866
Ice cream	-	-	564,122
Others	-	-	65,896
<u>Canning of fruit</u>			762,850
Fruit juice	Ltr.	553,562	615,216
Tomato juice	Ltr.	80,726	83,930
Tomato paste	Kg.	17,820	17,532
Fruit puree	Ltr.	4,702	3,224
Tomato sauce	Ltr.	16,311	25,053
Others	-	-	17,895
<u>Canning of preserves, marmalades and jellies</u>			65,450
Fruit jelly	Kg.	60,334	65,450
<u>Manufacture of dehydrated soups</u>			470,279
Soups		127,127	470,279
<u>Corn milling</u>			353,624
Corn flour		6,863,500	353,624
<u>Wheat milling</u>			17,330,088
Flour	Kg.	37,713,493	16,196,894
Fine flour	Kg.	4,110,788	466,754
Bran	Kg.	6,651,649	666,440
<u>Rice milling</u>			11,496,814
Polished rice (without shell)	Kg.	25,570,175	11,037,403
Polished rice (with shell)	Kg.	2,125,837	286,863

<u>Industry and Product</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
Whole rice	Kg.	1,496,736	94,896
Others	-	-	77,652
<u>Manufacture of bakery products and cookies</u>			11,148,508
French bread	-	-	3,069,231
Sweet bread	-	-	5,555,714
Biscuits (cookies)	-	-	1,074,638
Pastries	-	-	982,792
Others	-	-	466,133
<u>Manufacture of edible cones</u>			173,584
Cones	Box	7,369	173,584
<u>Manufacture of confectionary and sweets</u>			3,264,174
Confectionary	-	-	398,812
Chewing gum	-	-	144,341
Sweets in general	-	-	2,563,222
Chocolates	-	-	157,799
<u>Manufacture of margarine, cooking fats, table and salad oils</u>			49,875,020
Crude coconut oil	Gal.	872	4,284
Crude olive oil	Gal.	231,541	609,098
Crude cottonseed oil	Gal.	5,808,964	9,021,624
Refined cottonseed oil	Gal.	2,826,691	6,329,622
Clarified cottonseed oil	Gal.	730,636	1,784,350
Deodorized cottonseed oil	Gal.	1,167,422	4,107,843
Hydrogenated oil	Kg.	10,366,985	9,021,453

<u>Industry and Product</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
Fatty acids	Kg.	690,154	71,870
Olive flour	Kg.	417,816	18,166
Cottonseed flour	Kg.	37,214,891	5,421,902
Butter	Kg.	10,476,066	8,731,131
Seed paste or cake	Kg.	7,780,824	840,911
Linters and waste	Kg.	5,903,719	992,522
Margarine	Kg.	1,792,611	2,854,894
Others	-	-	65,350
<u>Manufacture of pasta</u>			1,019,391
Macaroni, fideos, etc.	Kg.	1,005,169	1,019,391
<u>Toasting and milling coffee</u>			4,285,296
Molido	Kg.	1,705,712	2,363,414
Instant	Kg.	331,213	1,919,550
Others	-	-	2,332
<u>Other diversified food industries</u>			1,285,880
Flans	Kg.	43,842	180,398
Gelatins	Kg.	304,499	883,616
Puddings	Kg.	29,190	60,050
Baking powder	Kg.	79,382	102,875
Refined salt	Kg.	126,522	58,625
Others	-	-	316

<u>Industry and Product</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
<u>Manufacture of soft drinks</u>			8,809,320
Soft drinks	Doz.	6,447,063	8,809,320
<u>Manufacture of other non-alcoholic drinks</u>			104,801
Powdered drinks	Base (625 pouches)	2,242	95,284
Chocolate	Kg.	7,540	9,517

Source: Direccion General de Estadistica y Censos, Boletin Estadistico No. 68,
Oct. - Dec. 1965, p. 271-274

TABLE V

Quantity and Value of Product Groups - 1961
(Establishments with 5 or more employees)

<u>Code</u>	<u>Industry Group</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
	<u>Meats: fresh, refrigerated and frozen</u>			21,271,223
011-01	Fresh beef	Kg.	9,038,379	12,959,930
011-03	Fresh pork	Kg.	4,113,694	8,311,293
	<u>Dried, salted, smoked, or cooked meat</u>			3,835,899
012-01	Pork products, dried, salted, or smoked (bacon, ham, sausage, etc. not packaged)	Kg.	3,275,732	3,835,899
	<u>Canned meat and meat preparations whether or not canned</u>			112,320
013-01	Meat of any kind prepared as sausage and similar products not packaged	Kg.	43,056	112,320
	<u>Fresh milk and cream</u>			3,282,465
021-01	Fresh milk	Ltr.	4,275,474	1,866,552
021-02	Fresh cream	Ltr.	615,003	1,415,913
	<u>Condensed, evaporated or dried milk or cream</u>			260,970
022-02	Powdered milk	Kg.	154,805	260,970
	<u>Butter</u>			607,880
023-01	Butter	Kg.	169,784	607,880
	<u>Cheese</u>			2,630,767
024-01	Cheese	Kg.	1,670,714	2,630,767
	<u>Ice cream and sherbet</u>			1,314,959
029-08	Ice cream sticks	Hundred	126,198	773,931
029-09	Ice cream, sherbet of all types	Ltr.	450,619	541,028

<u>Code</u>	<u>Industry Group</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
	<u>Fish: fresh or canned</u>			9,647,180
031-03	Shellfish, mollusks, oysters, etc.	Kg.	2,430,201	9,647,180
	<u>Rice</u>			941,666
042-02q	Polished rice	Kg.	2,161,864	941,666
	<u>Flour, coarse or fine, of wheat and spelt (including mixed corn and soya)</u>			30,391
047-02	Wheat flour	Kg.	68,207	30,391
	<u>Cereal products, including products made from flour and starch of fruits and vegetables</u>			15,238,118
048-03	Macaroni, fideos and other pasta	Kg.	536,236	654,784
048-04	French bread	-	-	3,882,852
048-06	Sweet breads, biscuits, cookies, etc.	-	-	10,415,397
048-07	Tortillas and similar corn products	-	-	15,522'
048-08	Finely ground corn flour	Case/packets	45,912	269,563
	<u>Preserved fruits</u>			5,173
053-03	Jellies, marmalades	Kg.	575	5,173
	<u>Sugar</u>			32,240,272
061-01	Unrefined sugar	Kg.	19,379,754	9,736,756
061-03	Pure honey	Gal.	3,836,245	537,711
061-04	Panela	Kg.	33,079,818	6,482,618
061-05	Loaf sugar	Kg.	186,345	87,664
061-06	Honey and syrups	Gal.	68,777	76,751
061-11	Raw sugar	Kg.	42,163,830	15,190,002
061-12	Golden sugar	Kg.	3,220	1,050
061-13	Sulfited golden sugar	Kg.	252,407	127,720

<u>Co.</u>	<u>Industry Group</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
	<u>Sweets of sugar and other sugar preparations</u>			2,200,548
062-01	Sweets of any type		-	2,200,548
	<u>Coffee</u>			205,790,119
071-02	Cafe en cereza	Kg.	1,206,672	705,448
071-03	Cafe en pergamino	Kg.	21,457,207	30,011,928
071-04	Cafe en oro	Kg.	99,409,447	165,209,878
071-05	Roasted and ground coffee	Kg.	1,418,649	1,881,187
071-06	Coffee concentrates	Kg.	861,350	7,981,678
	<u>Chocolate and chocolate preparation</u>			58,827
073-01	Chocolate and chocolate preparation	Kg.	42,443	58,827
	<u>Margarine and lard</u>			7,140,049
091-01	Margarine	Kg.	668,465	1,364,115
091-02	Lard	Kg.	4,875	13,000
091-03	Vegetable lard	Kg.	4,610,902	5,762,934
	<u>Non alcoholic drinks</u>			5,465,936
111-01	Soft drinks	Doz.	4,251,504	5,465,936

Source: Direccion General de Estadistica y Censos, Tercer Censo Industrial - 1961
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Quantity and Value of Raw Materials, Domestic and Imported, Consumed, 1961

(Establishments with 5 or more employees)

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
<u>2011</u>	<u>Slaughterhouses</u>	74					24,816,962	24,816,962	-
001-01	Beef livestock		Head	112,675	112,675	-	13,442,522	13,442,522	-
001-03	Pork livestock		Head	165,131	165,131	-	11,374,415	11,374,415	-
272-05	Salt		Kg.	115	115	-	25	25	-
<u>2012</u>	<u>Meat cutters</u>	2					25,600	25,600	-
001-01	Beef livestock		Head	36	36	-	2,880	2,880	-
001-03	Pork livestock		Head	308	308	-	22,720	22,720	-
<u>2014</u>	<u>Preparation of ham, bacon and sausage</u>	1					79,491	79,491	-
011-01	Fresh beef		Kg.	35,880	35,880	-	39,000	39,000	-
011-03	Pork meat		Kg.	14,352	14,352	-	31,200	31,200	-
046-01	Wheat flour		Kg.	1,435	1,435	-	686	686	-
075-02	Cinnamon and spices		Kg.	287	287	-	3,900	3,900	-
272-05	Salt		Kg.	920	920	-	100	100	-
	Others		-	-	-	-	4,605	4,605	-

<u>Code</u>	<u>Industry Group</u>	<u>No of Establish-ments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2016</u>	Manufacture of lard and other edible animal fats	1					6,790	6,790	-
012-01	Pork products dried, salted, or smoked (bacon, ham, sausage, etc.) not packaged		Kg.	5,980	5,980	-	6,760	6,760	-
272-05	Salt		Kg.	279	279	-	30	30	-
<u>2021</u>	Manufacture of milk products such as cheese, butter and cream	13					3,747,903	3,719,611	-
021-01	Fresh milk		Ltr.	14,357,612	14,357,612	-	3,142,185	3,142,185	-
022-02	Powdered milk		Kg.	2,793,983	2,773,329	20,654	571,180	555,233	15,947
061-02	Refined sugar		Kg.	3,910	3,910	-	2,009	2,009	-
075-03	Vanilla		Kg.	15	15	-	160	160	-
272-05	Salt		Kg.	169,155	169,155	-	16,355	16,355	-
272-19	Ice cream		Kg.	2,760	2,760	-	120	120	-
512-09	Rennet		Doz.	15,942	2,948	12,948	13,159	3,531	9,228
532-01	Dyes		Kg.	39	-	39	520	-	520
	Others		-	-	-	-	1,915	18	1,897

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
<u>2022</u>	Milk homogenizing, pasteurizing, and bottling plants	3					1,121,219	1,068,696	52,523
021-01	Fresh milk		Ltr.	3,425,615	3,425,615	-	1,036,003	1,036,003	-
022-02	Powdered milk		Kg.	20,100	329	19,771	22,089	393	21,696
061-02	Unrefined sugar		Kg.	28,543	28,543	-	24,514	24,514	-
272-05	Salt		Kg.	7,701	7,701	-	713	713	-
512-09	Rennet		Doz.	816	741	75	716	597	119
511-02	Fruit flavors		Kg.	108	25	83	821	122	699
	Others		-	-	-	-	36,363	6,354	30,009
<u>2023</u>	Manufacture of ice cream and sherbet	7					562,945	206,117	356,828
021-01	Fresh milk		Ltr.	55,209	55,209	-	18,523	18,523	-
021-02	Fresh cream		Ltr.	126,629	4,996	121,633	142,425	8,943	133,482
051-01	Fresh fruits		-	-	-	-	3,120	3,120	-
061-02	Refined sugar		Kg.	252,816	252,816	-	120,925	120,925	-
071-05	Toasted and grinded coffee		Kg.	1,671	1,671	-	1,805	1,805	-
071-01	Chocolate		Kg.	8,164	-	8,164	17,215	-	17,215
091-01	Margarine		Kg.	5,361	5,361	-	10,490	10,490	-
412-03	Cotton seed oil		Gal.	4,050	-	4,050	30,939	-	30,939

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
512-11	Citric acid and tartar acid		Kg.	800	-	800	5,990	-	3,990
532-01	Artificial colors		Kg.	12	-	12	552	-	552
551-02	Fruit flavors		Kg.	1,267	-	1,267	16,467	-	16,467
	Others		-	-	-	-	196,494	42,311	154,183
<u>2032</u>	Canning fruit juices and vegetables	1					225,810	104,738	121,072
051-01	Fresh fruit		-	-	-	-	58,497	55,087	3,410
052-01	Dried fruit		-	-	-	-	114,391	-	114,391
061-02	Refined sugar		Kg.	97,587	97,587	-	48,794	48,794	-
272-05	Salt		Kg.	3,942	3,942	-	857	857	-
	Others		-	-	-	-	3,271	-	3,271
<u>2034</u>	Manufacture of marmalades and jellies	2					52,315	42,898	9,417
011-01	Fresh beef		Kg.	33,743	33,743	-	24,164	24,164	-
011-03	Fresh pork		Kg.	2,171	2,171	-	3,954	3,954	-
031-01	Fresh fish		Kg.	31	31	-	34	34	-
031-03	Shellfish, mollusks, oysters, etc.		Kg.	130	130	-	182	182	-
051-01	Fresh fruit		-	-	-	-	786	786	-
061-02	Refined sugar		Kg.	1,086	1,086	-	590	590	-

<u>Code</u>	<u>Industry Group</u>	<u>No..of Establish- ments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
075-02	Cinnamon and spices		Kg.	86	--	86	394	-	394
272-05	Salt		Kg.	1,597	1,597	-	144	144	-
272-19	Honey		Kg.	2,312	2,312	-	121	121	-
661-01	Quick lime		Kg.	104	104	-	7	7	-
	Others		-	-	-	-	21,939	12,916	9,023
<u>2039</u>	Dehydration and quick freezing fruits and vegetables	2					392,382	392,382	-
221-02	Copra		Kg.	558,808	558,808	-	115,088	115,088	-
	Others		-	-	-	-	277,294	277,294	-
<u>2041</u>	Salting, drying, dehydrating, smoking, and curing fish, shrimp and other seafood	1					6,012,944	6,007,042	5,902
013-03	Shellfish, mollusks, oysters, etc.		Kg.	2,446,709	2,446,709	-	6,007,042	6,007,042	-
	Others		-	-	-	-	5,902		5,902
<u>2049</u>	Preserving and canning other seafood, n.e.p.	1					2,613	-	2,613
511-07	Amonia		Kg.	345	-	345	765	-	765
	Others		-	-	-	-	1,848	-	1,848

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2052</u>	Flour milling	2					6,065,120		6,065,120
041-01	Wheat		Kg.	26,719,422	-	26,719,422	5,946,332	-	5,946,332
048-02	Malt		-	13,263	-	13,263	26,934	-	26,934
541-01	Vitamins		-	945	-	945	3,842	-	3,842
	Others		-	-	-	-	88,012	-	88,012
<u>2053</u>	Rice beneficiating	4					539,175	539,175	-
042-01	Whole rice		Kg.	2,161,419	2,161,419	-	539,175	539,175	-
<u>2054</u>	Rice milling	2					279,000	279,000	-
042-01	Whole rice		Kg.	1,283,400	1,283,400	-	279,000	279,000	-
<u>2055</u>	Coffee beneficiating	91					144,743,853	144,743,853	-
071-01	Coffee beans		Kg.	537,930,688	537,930,688	-	135,219,075	135,219,075	-
071-02	Cafe en cereza		Kg.	3,506,478	3,506,478	-	2,454,183	2,454,183	-
071-03	Cafe en purgamino		Kg.	3,848,636	3,848,636	-	4,413,001	4,413,001	-
071-04	Cafe en oro		Kg.	2,048,288	2,048,288	-	2,657,594	2,657,594	-
<u>2056</u>	Coffee stoning and threshing	86					11,500,971	11,500,971	-
071-01	Coffee beans		Kg.	46,482,474	46,482,474	-	11,500,971	11,500,971	-

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
<u>2061</u>	Baking bread pastry and cookies	144					8,076,444	5,928,924	2,147,520
021-01	Fresh milk		Ltr.	20,791	20,791	-	8,112	8,112	-
021-02	Fresh cream		Ltr.	2,671	2,671	-	7,317	7,317	-
022-02	Powdered milk		Kg.	13,003	170	12,833	18,209	267	17,942
023-01	Butter		Kg.	19,633	19,633	-	52,672	52,672	-
024-01	Cheese		Kg.	1,034	1,034	-	1,848	1,848	-
025-01	Eggs		Doz.	928,084	928,084	-	971,939	971,939	-
046-01	Wheat flour		Kg.	6,369,607	3,912,110	2,457,497	3,280,076	1,991,055	1,289,021
047-09	Rice flour		Kg.	697,539	697,539	-	329,813	329,813	-
051-01	Fresh fruits		-	-	-	-	130	130	-
053-03	Jellies and marmalades		Kg.	3,153	3,153	-	4,100	4,100	-
061-01	Unrefined sugar		Kg.	15,454	15,454	-	8,231	8,231	-
061-02	Refined sugar		Kg.	1,529,914	1,529,914	-	826,154	826,154	-
061-03	Honey		Gal.	26,634	26,634	-	14,655	14,655	-
061-04	Brown sugar		Kg.	165,863	165,863	-	40,083	40,083	-
073-01	Chocolate and Chocolate products		Kg.	408		408	2,267		2,267
075-02	Cinnamon and spices		Kg.	1,455	422	1,033	8,765	2,440	6,325

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
081-02	Bran		Kg.	30,007	29,671	336	2,187	2,077	110
091-02	Hog fat		Kg.	553,832	367,852	185,980	1,120,988	752,808	368,180
091-03	Vegetable oil		Kg.	483,956	407,287	76,669	662,576	541,876	120,700
091-04	Cooking margarine		Kg.	2,551	2,551	-	5,856	5,856	-
099-09	Yeast		Kg.	75,119	6,227	68,892	195,261	16,099	179,162
221-09	Sesame and olive seeds		Kg.	2,949	2,949	-	1,300	1,300	-
272-05	Salt		Kg.	63,765	63,765	-	7,154	7,154	-
292-08	Gum		Kg.	2,634	-	2,634	10,533	-	10,533
412-03	Cotton seed oil		Gal.	4,460	4,460	-	17,795	17,795	-
511-06	Sodium bicarbonate		Kg.	144	144	-	156	156	-
512-08	Paraffin		Kg.	2,624	-	2,624	2,282	-	2,282
532-01	Dyes		Kg.	4	4	-	125	125	-
599-03	Starch		Kg.	7,629	7,629	-	8,292	8,292	-
	Others		-	-	-	-	447,294	305,230	142,064
<u>2069</u>	Miscellaneous bakery products	2					29,223	26,166	3,057
046-01	Wheat flour		Kg.	14,352	14,352	-	6,864	6,864	-
047-09	Rice flour		Kg.	17,940	17,940	-	8,580	8,580	-
061-02	Refined sugar		Kg.	17,480	17,480	-	9,734	9,734	-
091-03	Vegetable oil		Kg.	574	-	574	936		936

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
511-06	Sodium bicarbonate		Kg.	48	48	-	52	52	-
511-07	Amonia		Kg.	502	-	502	1,523	-	1,523
532-01	Dyes		Kg.	7	-	7	130	-	130
551-02	Fruit flavors		Kg.	234	-	234	468	-	468
	Others		-	-	-	-	936	936	-
<u>2071</u>	Sugar crushing	20					8,048,846	7,944,497	104,349
054-03	Sugar cane		Ton	676,420	676,420	-	7,928,241	7,928,241	-
272-06	Sulphur		Kg.	74,739	-	74,739	36,633	-	36,633
511-03	Caustic sodium		Kg.	21,231	-	21,231	10,609	-	10,609
511-04	Sodium carbonate		Kg.	4,416	-	4,416	1,278	-	1,278
661-01	Lime		Kg.	645,527	247,020	398,507	50,145	16,256	33,889
	Others		-	-	-	-	21,940	-	21,940
<u>2072</u>	Sugar refining	1					101,617	1,868	99,749
272-05	Salt		Kg.	21,482	21,482	-	1,868	1,868	-
511-03	Caustic sodium		Kg.	552	-	552	432	-	432
533-01			Kg.	77,004	-	77,004	66,960	-	66,960
661-01	Lime		Kg.	17,756	-	17,756	1,401	-	1,401
	Others		-	-	-	-	30,956	-	30,956

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2073</u>	Grinding for panela and loaf sugar	1,105					2,723,627	2,718,930	4,697
054-03	Sugar cane		Ton	352,795	352,795	-	2,716,990	2,716,990	-
511-03	Caustic sodium		Kg.	24	-	24	260	-	260
661-01	Lime		Kg.	1,221	1,221	-	151	151	-
	Others		-	-	-	-	6,226	1,789	4,437
<u>2081</u>	Manufacture of confectionary and sweets	13					933,702	659,969	273,733
021-01	Fresh milk		Ltr.	1,050	1,050	-	350	350	-
022-02	Powdered milk		Kg.	2,542	-	2,542	6,750	-	6,750
025-01	Eggs		Doz.	50	50	-	50	50	-
026-01	Honey		Ltr.	2,073	-	2,073	1,146	-	1,146
046-01	Wheat flour		Kg.	26,634	26,634	-	12,448	12,448	-
048-08	Corn flour			552	552	-	712	712	-
051-01	Fresh fruits		-	-	-	-	512	512	-
061-02	Refined sugar		Kg.	1,048,800	1,048,800	-	541,517	541,517	-
061-04	Brown sugar		Kg.	2,392	2,392	-	572	572	-
061-12	Yellow sugar		Kg.	35,880	35,880	-	19,500	19,500	-
072-01	Cocoa grains		Kg.	19,836	19,836	-	30,334	30,334	-

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
075-02	Cinnamon and spices		Kg.	10,208	10,208	-	7,556	7,556	-
075-03	Vanilla		Kg.	117	117	-	156	156	-
091-01	Margarine		Kg.	184	184	-	400	400	-
091-03	Vegetable oil		Kg.	112	112	-	132	132	-
221-01	Peanuts		Kg.	24,035	24,035	-	22,260	22,260	-
221-09	Sesame and olive seeds		Kg.	1,794	-	1,794	2,184	-	2,184
512-08	Paraffin		Kg.	552	-	552	432	-	432
512-11	Citric and tartar acid		Kg.	178	-	178	616	-	616
532-01	Dyes		Kg.	537	-	537	8,614	-	8,614
551-02	Fruit flavors		Kg.	7,580	1,166	6,414	19,465	2,788	16,677
599-03	Starch		Kg.	1,334	1,334	-	584	584	-
	Others		-	-	-	-	257,412	20,098	237,314
<u>2089</u>	Confectionary and sweets, n.e.p.	1					180,370	90,140	90,230
046-01	Wheat flour		Kg.	39,560	39,560	-	19,780	19,780	-
061-02	Refined sugar		Kg.	10,120	10,120	-	5,500	5,500	-
091-02	Hog fat		Kg.	1,656	1,656	-	5,040	5,040	-
091-03	Vegetable oil		Kg.	14,950	-	14,950	22,750	22,750	22,750
221-01	Peanuts		Kg.	41,400	41,400	-	38,700	38,700	-
412-03	Cotton seed oil		Gal.	11,000	-	11,000	55,000	-	55,000
	Others		-	-	-	-	33,600	33,600	12,480

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establish-ments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2091</u>	Manufacture of margarine, cooking fats, table and salad oils	5					10,879,928	10,546,138	333,790
022-02	Powdered milk		Kg.	35,177	-	35,177	52,766	-	52,766
221-02	Coco powder		Kg.	353,878	353,878	-	168,257	168,257	-
221-06	Cotton seed		Kg.	63,331,650	63,331,650	-	7,459,381	7,459,381	-
272-05	Salt		Kg.	10,615	10,615	-	1,928	1,928	-
511-03	Caustic sodium		Kg.	116,196	116,196	-	74,446	74,446	-
532-01	Dyes		Kg.	18	-	18	699	-	699
541-01	Vitamins			1,234	-	1,234	4,934	-	4,934
551-02	Fruit flavors		Kg.	68	-	68	463	-	463
	Others		-	-	-	-	3,117,054	2,842,126	274,928
<u>2092</u>	Ice manufacture	4					18,996,	2,012	16,984
272-05	Salt		Kg.	23,368	23,368	-	2,012	2,012	-
511-07	Amonia		Kg.	3,651	-	3,651	11,037	-	11,037
	Others		-	-	-	-	5,947	-	5,947
<u>2093</u>	Manufacture of extracts, honey and syrups	1					28,032	26,520	1,512
061-02	Refined sugar		Kg.	47,840	47,840	-	26,520	26,520	-

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
532-01	Dyes		Kg.	72		72	1,080	-	1,080
551-02	Fruit flavors		Kg.	54	-	54	432	-	432
<u>2094</u>	Pasta manufacture	6					333,732	182,031	151,701
021-01	Fresh milk		Ltr.	18,488	18,488	-	4,930	4,930	-
023-01	Butter		Kg.	1,208	1,208	-	4,200	4,200	-
025-01	Eggs		Doz.	10,984	10,984	-	12,345	12,345	-
046-01	Wheat flour		Kg.	626,001	318,774	307,227	288,829	146,588	142,241
061-02	Refined sugar		Kg.	460	460	-	257	257	-
272-05	Salt		Kg.	350	350	-	51	51	-
412-03	Cotton seed oil		Gal.	3,570	3,570	-	13,389	13,389	-
532-01	Dyes		-	73		73	1,332	-	1,332
	Others		-	-	-	-	8,399	271	8,128
<u>2095</u>	Tortilla manufacture	2					7,702	7,702	-
044-01	Ground corn		Kg.	30,691	30,691	-	7,666	7,666	-
661-01	Lime		Kg.	335	335	-	36	36	-

Code	Industry Group	No. of Establish-ments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
<u>2096</u>	Toasting and grinding coffee	7					4,918,664	4,918,664	-
044-01	Ground corn		Kg.	4,600	4,600	-	900	900	-
045-03	Millet		Kg.	373,336	373,336	-	50,521	50,521	-
054-02	Kidney beans		Kg.	161,920	161,920	-	63,230	63,230	-
061-02	Refined sugar		Kg.	22,770	22,770	-	11,882	11,882	-
071-04	Golden coffee		Kg.	3,371,570	3,371,570	-	4,792,131	4,792,131	-
<u>2098</u>	Feed manufacturing	7					2,501,969	1,813,553	688,416
022-02	Powdered milk		Kg.	14,582	-	14,582	13,410		13,410
044-01	Ground corn		Kg.	2,545,042	2,545,042	-	424,890	424,890	-
045-03	Millet		Kg.	2,830,840	2,830,840	-	369,247	369,247	-
046-01	Wheat flour		Kg.	214,268	214,268	-	17,822	17,822	-
061-03	Honey		Gal.	836,752	836,752	-	26,962	26,962	-
081-02	Bran		Kg.	2,861,292	2,861,292	-	199,218	199,218	-
221-08	Cotton seed flour		Kg.	635,536	635,536	-	83,075	83,075	-
272-05	Salt		Kg.	52,164	52,164	-	3,476	3,476	-
	Others		-	-	-	-	1,363,869	688,863	675,006

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2099</u>	Miscellaneous food manufacturing	9					80,718	79,324	1,394
044-01	Ground corn		Kg.	389,758	389,758	-	63,863	63,863	-
054-05	Yucca		Kg.	257,683	257,683	-	15,461	15,461	-
	Others		-	-	-	-	1,394	-	1,394

Source: Direccion General de Estadistica y Censos Tercer Censo Industrial, 1961
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TABLE VII

Quantity and Value of Raw Materials, Domestic and Imported
(Establishments with 5 or more employees)
Consumed 1964

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
<u>2014</u>	Preparation of ham, bacon and sausages	2					304,547	295,511	9,036
011-01	Fresh beef		Kg.	102,607	102,607	-	170,969	170,969	-
011-03	Pork meat		Kg.	55,523	55,523	-	118,696	118,696	-
012-01	Pork products, dried, salted or smoked (bacon, ham, sausage, etc. not packaged)		Kg.	2,932	2,932	-	4,116	4,116	-
075-02	Cinnamon and spices		Kg.	1,386	-	1,386	7,107	-	7,107
272-05	Salt		Kg.	8,740	8,740	-	1,330	1,330	-
	Others		-	-	-	-	2,329	400	1,929
<u>2016</u>	Manufacture of lard and other edible animal fats	7					74,127	74,127	-
012-01	Pork products, dried, salted, or smoked (bacon, ham, sausage, etc. not packaged)		Kg.	63,369	63,369	-	73,820	73,820	-
272-05	Salt		Kg.	2,342	2,342	-	307	307	-
	Others		-	-	-	-	-	-	-
<u>2021</u>	Manufacture of milk products such as cheese, butter and cream	11					4,416,245	4,410,721	5,524

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establish-ments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
021-01	Fresh milk		Ltr.	10,660,128	10,660,128	-	4,264,051	4,264,051	-
021-02	Fresh cream		Ltr.	32,606	32,606	-	104,338	104,338	-
061-02	Refined sugar		Kg.	4,968	4,968	-	2,592	2,592	-
272-05	Salt		Kg.	188,086	188,086	-	20,571	20,571	-
512-09	Rennet		Hundred	1,226	766	460	13,179	7,655	5,524
	Others		-	-	-	-	11,514	11,514	-
<u>2022</u>	Milk homogenizing, pasteurizing, and bottling plants	4					2,492,725	2,321,903	170,822
021-01	Fresh milk		Ltr.	5,313,508	5,313,508	-	2,125,403	2,125,403	-
021-02	Fresh cream		Ltr.	28,777	28,777	-	92,087	92,087	-
022-02	Powdered milk		Kg.	84,713	33,469	51,244	85,427	32,014	53,413
061-02	Unrefined sugar		Kg.	86,603	86,603	-	42,848	42,848	-
272-05	Salt		Kg.	18,241	18,241	-	2,604	2,604	-
512-09	Rennet		Hundred	290	131	159	3,213	1,310	1,903
	Others		-	-	-	-	141,143	25,637	115,503
<u>2023</u>	Manufacture of ice cream and ice cream sticks	7					901,441	499,108	402,333
021-01	Fresh milk		Ltr.	48,694	48,694	-	17,026	17,026	-
021-02	Fresh cream		Ltr.	632	632	-	1,800	1,800	-
022-02	Powdered milk		Kg.	205,162	75,486	129,676	280,128	125,100	155,028

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
061-01	Unrefined sugar		Kg.	482,059	479,644	2,415	241,679	240,036	1,643
073-01	Chocolate and chocolate products		Kg.	34,685	414	34,271	37,544	1,125	36,429
075-03	Vanilla		Kg.	112	-	112	2,560	-	2,560
091-03	Vegetable oil		Kg.	6,808	6,808	-	10,362	10,362	-
272-05	Salt		Kg.	552	552	-	96	96	-
512-11	Citric and tartar acid		Kg.	1,155	-	1,155	2,456	-	2,456
551-02	Fruit flavors		Ltr.	232	-	232	3,221	-	3,221
	Others		-	-	-	-	304,559	103,563	200,996
<u>2032</u>	Canning fruit juices and vegetables	2					217,830	114,145	103,685
051-06	Fresh fruits		-	-	-	-	114,484	50,325	64,159
053-06	Fruit concentrates		Kg.	24,426	10,234	14,192	36,428	17,778	18,650
061-02	Refined sugar		Kg.	77,576	77,576	-	36,488	36,488	-
272-05	Salt		Kg.	2,215	2,215	-	288	288	-
	Others		-	-	-	-	30,142	9,266	20,876
<u>2033</u>	Manufacture of marmalades and jellies	1					22,742	22,742	-
061-02	Refined sugar		Kg.	22,218	22,218	-	11,371	11,371	-
051-06	Fresh fruits		-	-	-	-	11,371	11,371	-
	Others		-	-	-	-	-	-	-

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2035</u>	Manufacture of dehydrated soups	1					49,926	18,486	31,440
048-03	Macaroni, fideos, and other pasta		Kg.	17,774	17,774	-	15,845	15,845	-
054-09	Vegetables		Kg.	316	-	316	2,374	-	2,374
091-03	Vegetable oil		Kg.	2,747	2,747	-	2,641	2,641	-
272-05	Salt		Kg.	2,868	-	2,868	2,243	-	2,243
	Others		-	-	-	-	26,823	-	26,823
<u>2051</u>	Corn milling	240							
<u>2052</u>	Flour milling	2					11,094,659	-	11,094,659
041-01	Wheat		Kg.	42,682,404	-	42,682,404	11,043,861	-	11,043,861
	Others		-	-	-	-	50,798	-	50,798
<u>2053</u>	Rice beneficiating	9					7,530,756	7,530,756	-
042-01	Whole rice		Kg.	30,411,056	30,411,056	-	7,530,756	7,530,756	-
	Others		-	-	-	-	-	-	-
<u>2054</u>	Rice milling	4					25,388	25,388	-
042-02	Polished rice		Kg.	93,104	93,104	-	25,388	25,388	-
	Others		-	-	-	-	-	-	-

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2055</u>	Coffee beneficiating	171					174,538,176	174,538,176	-
071-02	Coffee beans						131,924,525	131,924,525	-
071-02	Cafe in cereza						4,891,717	4,891,717	-
071-03	Cafe en pergamino						30,241,368	30,241,368	-
071-04	Cafe en oro						7,480,166	7,480,166	-
	Others						450	450	-
<u>2059</u>	Miscellaneous milling products	1					143,778	143,778	-
044-01	Shelled corn		Kg.	667,286	667,286	-	143,778	143,778	-
	Others		-	-	-	-	-	-	-
<u>2061</u>	Baking bread, pastry and cookies	100					7,053,270	6,081,733	971,537
021-01	Fresh milk		Ltr.	42,411	42,411	-	17,475	17,475	-
021-02	Fresh cream		Ltr.	460	460	-	1,229	1,229	-
022-02	Powdered milk		Kg.	28,715	9,086	19,629	40,508	12,065	28,443
023-01	Butter		Kg.	43,090	43,090	-	129,875	129,875	-
024-01	Cheese		Kg.	263	263	-	921	921	-
025-01	Eggs		Hundred	90,992	90,992	-	988,598	988,598	-
046-01	Wheat flour		Kg.	5,797,632	4,732,718	1,064,914	2,847,033	2,376,649	470,384
055-04	Finely ground corn flour		Kg.	7,277	7,277	-	9,965	9,965	-

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
047-09	Rice flour		Kg.	526,192	526,192	-	217,380	217,380	-
051-06	Fruits in general		-	-	-	-	75,370	69,529	5,841
052-01	Dried fruit		-	-	-	-	741	741	-
053-03	Pineapple jelly		Kg.	1,527	1,527	-	1,660	1,660	-
061-01	Unrefined sugar		Kg.	1,397,264	1,397,264	-	710,467	710,467	-
061-02	Refined sugar		Kg.	293,746	293,746	-	153,332	153,332	-
061-04	Panela		Kg.	242,143	242,143	-	86,282	86,282	-
073-01	Chocolate and chocolate products		Kg.	1,068	108	960	2,607	199	2,408
075-02	Cinnamon and spices		Kg.	1,794	1,097	697	12,775	5,963	6,812
075-03	Vanilla		Kg.	74	-	74	1,261	-	1,261
081-02	Bran		Kg.	41,072	41,072	-	9,159	9,159	-
091-01	Margarine		Kg.	7,117	6,932	185	14,263	13,904	359
091-02	Lard		Kg.	190,275	64,944	31,075	213,256	127,179	86,077
091-03	Vegetable Lard		Kg.	733,728	616,992	116,736	932,645	804,051	158,594
099-09	Yeast		Kg.	34,221	11,573	22,648	136,307	30,090	106,217
221-09	Sesame and olive seeds		Kg.	1,590	1,590	-	981	981	-
272-05	Salt		Kg.	100,224	97,177	3,047	19,900	16,573	3,327

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
412-03	Cotton seed oil		Ltr.	50,990	48,248	2,742	59,395	55,968	3,427
511-06	Sodium bicarbonate		Kg.	117	117	-	164	164	-
511-07	Amonia		Kg.	55	-	55	180	-	180
532-01	Dyes		Kg.	983	983	-	11,141	11,141	-
551-02	Flavors		Ltr.	1,843	1,069	774	11,456	3,414	8,042
599-03	Starch		Kg.	207	207	-	158	158	-
	Others		-	-	-	-	316,756	226,621	90,165
<u>2062</u>	Manufacture of edible cones	1					67,246	18,873	48,373
046-01	Wheat flour		Kg.	81,863	-	81,863	41,975	-	41,975
061-02	Refined sugar		Kg.	8,182	8,182	-	4,587	4,587	-
075-03	Vanilla		Ltr.	102	-	102	2,669	-	2,669
511-06	Sodium bicarbonate		Kg.	612	-	612	668	-	668
	Others		-	--	-	-	17,347	14,286	3,061
<u>2071</u>	Sugar crushing	19					11,063,696	11,033,027	30,669
054-03	Sugar cane		Ton	670,943	670,943	-	10,939,287	10,939,287	-
272-06	Sulphur		-	-	-	-	13,355	-	13,355
511-03	Caustic soda		-	-	-	-	17,314	-	17,314
661-01	Lime		-	-	-	-	55,091	55,091	-

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
	Others		-	-	-	-	38,649	38,649	-
<u>2072</u>	Sugar refining	1					181,500	1,832	179,668
272-05	Salt		Kg.	14,858	14,858	-	1,832	1,832	-
511-03	Caustic soda		Kg.	280	-	280	185	-	185
661-01	Lime		Kg.	10,120	-	10,120	798	-	798
	Others		-	-	-	-	178,685	-	178,685
<u>2073</u>	Grinding for panela and loaf sugar	2,801					2,758,882	2,758,882	-
054-03	Sugar cane		Ton	277,974	277,974	-	2,758,882	2,758,882	-
	Others		-	-	-	-	-	-	-
<u>2081</u>	Manufacture of confectionary and sweets	12					1,214,632	636,542	578,090
022-02	Powdered milk		Kg.	8,197	52	8,145	15,368	100	15,268
026-01	Honey		Ltr.	15	15	-	16	16	-
046-01	Wheat flour		Kg.	8,280	8,280	-	3,780	3,780	-
061-02	Refined sugar		Kg.	1,225,292	1,225,292	-	608,389	608,389	-
061-04	Panela		Kg.	972	972	-	200	200	-
061-09	Other sugars and syrups		Kg.	506	-	506	536	-	536

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establish-ments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
072-01	Cocoa grains		Kg.	40,210	-	40,210	43,692	-	43,692
075-02	Cinnamon and spices		Kg.	31	31	-	37	37	-
075-03	Vanilla		Ltr.	3	-	3	78	-	78
221-01	Peanuts		Kg.	15,903	10,403	5,520	15,103	10,543	4,560
551-06	Bicarbonate of soda		Kg.	5	-	5	5	-	5
511-07	Amonia		Kg.	2	-	2	8	-	8
532-01	Dyes		Kg.	449	-	449	7,281	-	7,281
551-02	Fruit flavors		Ltr.	1,197	-	1,197	33,900	-	33,900
	Others		-	-	-	-	486,239	13,477	472,762
<u>2083</u>	Manufacture of cocoa and chocolate products	1					67,938	36,114	31,824
061-01	Refined sugar		Kg.	71,760	71,760	-	35,880	35,880	-
072-01	Cocoa grains		Kg.	21,528	-	21,528	28,080	-	28,080
075-02	Cinnamon and spices		Kg.	215	-	215	1,872	-	1,872
075-03	Vanilla		Ltr.	9	9	-	234	234	-
	Others		-	-	-	-	1,872	-	1,872
<u>2091</u>	Manufacture of margarine, cooking fats, table and salad oils	6					36,779,713	36,395,822	383,891
022-02	Powdered milk		Kg.	17,496	-		17,096	-	17,096

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
221-06	Cotton seed		Kg.	90,299,291	90,299,291	-	10,584,814	10,584,814	-
272-05	Salt		Kg.	27,268	-	27,268	7,691	-	7,691
541-01	Vitamins		Kg.	1,443	-	1,443	10,260	-	10,260
	Others		-	-	-	-	26,159,852	25,811,008	348,844
<u>2092</u>	Ice manufacture	26					17,928	4,799	13,129
272-05	Salt		Kg.	43,125	43,125	-	4,799	4,799	--
511-07	Amonia		Kg.	3,801	-	3,801	7,243	-	7,243
	Others		-	-	-	-	5,886	-	5,886
<u>2093</u>	Manufacture of extracts, honey and syrups	2					24,068	21,882	2,186
061-01	Unrefined sugar		Kg.	33,120	33,120	-	16,800	16,800	-
512-11	Citric and tartaric acid		Kg.	58	-	58	360	-	360
532-01	Dyes		Kg.	180	180	-	2,700	2,700	-
551-02	Fruit flavors		Ltr.	87	-	87	1,560	-	1,560
	Others		-	-	-	-	2,648	2,382	266
<u>2094</u>	Pasta manufacture	6					513,156	496,322	16,834
025-01	Eggs		Hundred	944	944	-	7,604	7,604	-
046-01	Wheat flour		Kg.	1,022,014	1,022,014	-	481,772	481,772	-

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
272-05	Salt		Kg.	228	228	-	49	49	-
532-01	Dyes		Kg.	95	-	95	2,089	-	2,089
	Others		-	-	-	-	21,642	6,897	14,745
<u>2096</u>	Roasting and milling coffee	12					3,298,340	3,298,340	-
044-01	Shelled corn		Kg.	14,352	14,352	-	3,432	3,432	-
045-03	Sorghum		Kg.	456,545	456,545	-	76,778	76,778	-
071-04	Cafe en oro		Kg.	2,988,845	2,988,845	-	3,204,318	3,204,318	-
	Others		-	-	-	-	13,812	13,812	-
<u>2097</u>	Manufacture of ice cream, ice cream sticks, ices, etc., except those made exclusively from milk	2					48,654	42,973	5,681
022-02	Powdered milk		Kg.	2,211	-	2,211	3,605	-	3,605
061-02	Refined sugar		Kg.	38,732	38,732	-	19,848	19,848	-
073-01	Chocolate and chocolate products		Kg.	428	-	428	930	-	930
075-03	Vanilla		Ltr.	210	210	-	392	392	-
412-03	Cottonseed oil		Ltr.	205	205	-	238	238	-
551-02	Fruit flavors		Ltr.	79	-	79	546	-	546
	Others		-	-	-	-	23,095	22,495	600

Code	Industry Group	No. of Establishments	Unit	Quantity			Value (in colones)		
				Total	Domestic	Imported	Total	Domestic	Imported
<u>2099</u>	Miscellaneous food manufacturing	2					363,196	178,802	184,394
055-04	Finely ground corn flour		Kg.	14,011	1,445	12,566	17,164	1,421	15,743
061-02	Refined sugar		Kg.	267,624	267,624	-	136,120	136,120	-
062-02	Gelatin, flan, puddings		Kg.	23,423	-	23,423	80,852	-	80,852
272-05	Salt		Kg.	493,212	493,212	-	41,060	41,060	-
511-06	Bicarbonate of soda		Kg.	12,099	-	12,099	5,847	-	5,847
	Others		-	-	-	-	82,153	201	81,952
<u>2141</u>	Manufacture of soft drinks	3					1,734,007	1,010,081	723,926
061-02	Refined sugar		Kg.	1,971,269	1,971,269	-	968,010	968,010	-
511-01	Sulfuric acid and carbonic gas		Kg.	137,031	128,318	8,713	39,483	33,446	6,037
512-01	Sodium benzoate		-	4,616	-	4,616	10,542	-	10,542
512-11	Citric and tartaric acid		-	13,252	-	13,252	26,779	-	26,779
551-02	Fruit flavors		Ltr.	33,934	-	33,934	532,876	-	532,876
	Others		-	-	-	-	156,317	8,265	147,692

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establish-ments</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
				<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>2149</u>	Manufacture of other non alcoholic drinks	4					32,911	16,052	16,859
061-02	Refined sugar		Kg.	30,758	30,758	-	15,992	15,992	-
272-05	Salt		Kg.	552	552	-	60	60	-
512-11	Citric and tartaric acid		-	104	-	104	520	-	520
532-01	Dyes		-	255	-	255	4,588	-	4,588
551-02	Fruit flavors		Ltr.	273	-	273	5,574	-	5,574
	Others		-	-	-	-	6,177	-	6,177

Source: Direccion General de Estadistica y Censos, Gnuario Estadistico
Vol. II, 1964, p. 296 - 302

Quantity and Value of Raw Materials, Domestic and Imported, Consumer, 1965

(Establishments with 5 or more employees)

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>Manufacture of milk products such as cheese, butter and cream</u>					2,355,482	2,348,442	7,040
Sugar	Kg.	1,131,437	1,131,437	-	440,198	440,198	-
Dyes	Kg.	12	-	12	106	-	106
Cream	Ltr.	26,105	26,105	-	60,337	60,337	-
Yeast	Ltr.	-	-	-	9,802	3,598	6,204
Fresh milk	Ltr.	6,844,394	6,844,394	-	1,832,062	1,832,062	-
Salt	Kg.	104,765	104,765	-	11,125	11,125	-
Flavors	Kg.	18	-	18	60	-	60
Others	-	-	-	-	1,792	1,122	670
<u>Homogenizing, pasteurizing and canning plants</u>					1,907,855	1,737,237	170,618
Sugar	Kg.	95,699	95,699	-	46,533	46,533	-
Dyes	Kg.	785	211	574	2,392	441	1,951
Cream	Ltr.	-	-	-	-	-	-
Yeast	-	-	-	-	3,718	1,889	1,829
Fresh milk	Ltr.	5,709,699	5,709,699	-	1,598,139	1,598,139	-
Powdered milk	Kg.	97,484	39,295	58,189	112,571	44,802	67,769

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
Flavors	Kg.	26,867	322	26,545	67,931	1,150	66,781
Salt	Kg.	19,208	19,208	-	2,168	2,168	-
Others	-	-	-	-	74,403	42,115	32,288
<u>Manufacture of ice cream and sherbet, made from milk</u>					456,741	153,425	303,316
Sugar	Kg.	210,433	208,815	1,617	99,867	98,790	1,077
Dyes	Kg.	44	-	44	1,797	-	1,797
Fresh milk	Ltr.	36,323	36,323	-	13,030	13,030	-
Powdered milk	Kg.	101,670	-	101,670	133,267	-	133,267
Flavors	Kg.	725	-	725	8,384	-	8,384
Salt	Kg.	437	437	-	76	76	-
Others	-	-	-	-	200,320	41,529	158,791
<u>Canning fruit juices and vegetables</u>					241,461	164,713	76,748
Acids	Kg.	581	56	525	1,719	123	1,596
Refined sugar	Kg.	74,752	74,752	-	35,078	35,078	-
Condensed fruits	Kg.	70,033	70,033	-	86,311	86,311	-
Puree of fruits	Kg.	49,090	-	49,090	63,528	-	63,528
Fresh fruit	Kg.	208,639	189,660	18,979	46,062	41,716	4,346
Salt	Kg.	2,302	2,302	-	485	485	-
Others	-	-	-	-	8,278	1,000	7,278

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>Manufacture of preserves, marmalades and jellies</u>					43,402	43,402	-
Fresh fruits	Kg.	42,090	42,090	-	22,875	22,875	-
Sugar	Kg.	42,090	42,090	-	20,527	20,527	-
<u>Manufacture of dehydrated soups</u>					95,085	42,000	53,085
Monsodium glutamine	Kg.	5,484	-	5,484	20,261	-	20,261
Refined sugar	Kg.	2,670	2,670	-	1,346	1,346	-
Vegetable oil	Kg.	5,476	5,476	-	5,875	5,875	-
Chicken ingredients	Kg.	1,121	-	1,121	8,730	-	8,730
Dextrin maltose	Kg.	2,333	-	2,333	3,032	-	3,032
Onions	Kg.	745	-	745	3,338	-	3,338
Vermicelli (thin spaghetti)	Kg.	37,633	37,633	-	29,962	29,962	-
Salt	Kg.	11,573	8,269	3,304	2,766	1,424	1,342
Powdered milk	Kg.	1,416	-	1,416	3,561	-	3,561
Corn flour	Kg.	3,658	3,658	-	3,393	3,393	-
Garlic	Kg.	109	-	109	475	-	475
Asparagus	Kg.	336	-	336	3,162	-	3,162
Tomatoes	Kg.	226	-	226	1,710	-	1,710
Others	-	-	-	-	7,474	-	7,474

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>Corn milling</u>							
Corn	Kg.	657,708	657,708	-	162,858	162,858	-
<u>Wheat milling</u>							
Wheat	Kg.	47,459,446	-	47,459,446	11,863,707	-	11,863,707
Others	-	-	-	-	67,998	-	67,998
<u>Rice beneficiating</u>							
Whole rice	Kg.	36,599,756	36,599,756	-	9,029,773	9,029,773	-
<u>Bakeries</u>							
Wheat flour	Kg.	4,833,502	3,974,120	859,382	2,313,372	1,933,860	379,512
Rice flour	Kg.	482,139	482,139	-	194,877	194,877	-
Lard	Kg.	95,202	45,395	49,807	184,138	77,558	106,580
Vegetable oil	Kg.	694,702	520,256	174,446	851,752	628,123	223,629
Powdered milk	Kg.	36,896	19,004	17,892	47,068	26,191	20,877
Sugar	Kg.	1,550,330	1,550,330	-	747,147	747,147	-
Salt	Kg.	104,915	102,376	2,539	17,738	14,702	3,036
Butter	Kg.	40,062	40,062	-	128,868	128,868	-
Margarine	Kg.	11,931	11,697	234	24,000	23,539	461
Brown sugar	Kg.	156,569	156,569	-	50,264	50,246	-
Starch	Kg.	42,926	42,926	-	9,547	9,547	-

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
Flavors	Kg.	1,945	1,432	513	10,178	3,537	6,641
Corn flour	Kg.	7,065	7,065	-	8,725	8,725	-
Cocoa	Kg.	3,791	3,581	210	6,977	5,810	1,167
Dyes	Kg.	808	67	741	8,226	631	7,595
Vegetable oil	Gal.	11,503	11,503	-	47,744	47,744	-
Natural milk	Ltr.	30,243	30,243	-	12,648	12,648	-
Eggs	Doz.	9,639,458	9,639,458	-	897,957	897,957	-
Spices	-	-	-	-	6,209	5,154	1,055
Fruits	-	-	-	-	85,045	77,186	7,859
Yeast	-	-	-	-	145,803	55,280	90,523
Others	-	-	-	-	337,740	275,957	61,783
<u>Manufacture of edible cones</u>					70,679	47,061	23,618
Wheat flour	Kg.	87,032	53,751	33,281	44,641	27,577	17,064
Starch	Kg.	10,443	10,443	-	11,352	11,352	-
Sugar	Kg.	8,703	8,703	-	4,823	4,823	-
Sodium bicarbonate	Kg.	652	172	480	711	187	524
Vegetable oil	Ltr.	2,365	2,365	-	2,367	2,367	-
Vanilla	Ltr.	109	-	109	2,820	-	2,820
Others	-	-	-	-	3,965	755	3,210

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
<u>Fabrication of confectionary and sweets</u>					1,223,005	618,240	604,765
Sugar	Kg.	1,265,428	1,265,428	-	576,633	576,633	-
Glucose	Kg.	676,253	-	676,253	364,790	-	364,790
Cocoa	Kg.	25,409	4,051	21,358	25,647	4,036	21,611
Fruit flavoring	Kg.	13,399	-	13,399	36,281	-	36,281
Citric acid	Kg.	2,487	-	2,487	9,080	-	9,080
Peanuts	Kg.	12,293	8,643	3,650	9,205	6,907	2,298
Powdered milk	Kg.	21,832	-	21,832	39,186	-	39,186
Cocoa butter	Kg.	5,316	-	5,316	15,923	-	15,923
Vegetable oil	Kg.	8,927	8,927	-	9,581	9,581	-
Instant coffee	Kg.	440	440	-	3,581	3,581	-
Chewing gum base	Kg.	6,044	-	6,044	12,877	-	12,877
Honey	Ltr.	6,895	6,895	-	3,415	3,415	-
Condensed milk	Ltr.	93,578	-	93,578	86,372	86,372	86,372
Dyes	Kg.	338	-	338	6,076	-	6,076
Others	-	-	-	-	24,358	14,087	10,271
<u>Manufacture of margarine, cooking fat, table and salad oils</u>					39,171,777	38,586,566	584,611
Cotton seed	Kg.	114,859,928	114,859,928	-	14,254,752	14,254,752	-
Sesame seed	Kg.	12,011	12,011	-	3,745	3,745	-
Olive seed	Kg.	1,383,299	1,383,299	-	576,262	576,262	-

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colons)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
Caustic sodium	Kg.	395,668	-	395,668	165,338	-	165,338
Carbon	Kg.	9,069	-	9,069	11,710	-	11,710
Fuller's earth	Kg.	145,912	-	145,912	63,578	-	63,578
Hydrogenated oil	Kg.	10,183,950	10,183,950	-	9,006,114	9,006,114	-
Crude cotton seed oil	Gal.	3,345,025	3,345,025	-	6,403,446	6,403,446	-
Purified cotton seed oil	Gal.	6,942,006	6,942,006	-	2,063,227	2,063,227	-
Crude olive oil	Gal.	875	875	-	2,479	2,479	-
Refined cotton seed oil	Gal.	2,679,748	2,679,748	-	6,162,650	6,162,650	-
Refined olive oil	Gal.	2,298	2,298	-	7,426	7,426	-
Solvents	Gal.	875,224	-	875,224	263,276	-	263,276
Powdered milk	Kg.	21,322	21,322	-	25,946	25,946	-
Salt	Kg.	34,916	-	34,916	8,760	-	8,760
Sodium benzoate	Kg.	1,806	-	1,806	3,201	-	3,201
Aromatics	Kg.	195	-	195	1,423	-	1,423
Vitamins	Kg.	3,326	-	3,326	13,138	-	13,138
Emulsifiers	Kg.	14,018	-	14,018	25,885	-	25,885
Citric acid	Kg.	407	-	407	919	-	919
Others	-	-	-	-	107,902	80,519	27,383
<u>Manufacture of ice</u>					23,344	11,010	12,334
Amonia	Kg,	3,143	-	3,143	11,421	-	11,421

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>			
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	
Salt	Kg.	49,074	-	49,074	4,317	4,317	-	
Others	-	-	-	-	7,606	6,693	913	
<u>Manufacture of pasta</u>					426,873	420,584	6,289	
Wheat flour	Kg.	911,876	911,876	-	415,541	415,541	-	
Dyes	Kg.	56	-	56	824	-	824	
Eggs	Doz.	39,932	39,932	-	3,143	3,143	-	
Others	-	-	-	-	7,365	1,900	5,465	
<u>Coffee toasting and grinding houses</u>					-	2,647,426	2,647,426	-
Golden coffee	Kg.	2,433,735	2,433,735	-	2,529,355	2,529,355	-	
Millet	Kg.	451,438	451,438	-	100,033	100,033	-	
Others	-	-	-	-	18,038	18,038	-	
<u>Feed products</u>					8,954,920	5,359,302	3,595,618	
Corn	Kg.	11,530,728	11,530,728	-	2,435,616	2,435,616	-	
Millet	Kg.	5,190,949	5,190,949	-	1,037,448	1,037,448	-	
Rice shells	Kg.	682,769	682,769	-	84,202	84,202	-	
Wheat flour	Kg.	2,744,065	2,744,065	-	320,433	320,433	-	
Flour:								
Cotton seed flour:	Kg.	2,952,948	2,952,948	-	441,928	441,928	-	
Coconut flour	Kg.	65,173	365,173	-	39,820	39,820	-	

<u>Industry and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
Meat scraps	Kg.	2,021,883	-	2,021,883	731,923	-	731,923
Bone meal	Kg.	93,855	-	93,855	15,308	-	15,308
Soya	Kg.	4,135,893	-	4,135,893	1,279,912	-	1,279,912
Alfalfa	Kg.	1,484,016	-	1,484,016	350,371	-	350,371
Salt	Kg.	229,626	229,626	-	15,500	15,500	-
Starch	Kg.	4,965,202	4,965,202	-	506,050	506,050	-
Concha molida	Kg.	2,331,588	2,331,588	-	128,872	128,872	-
Vitamins	Kg.	1,010,260	-	1,010,260	908,384	-	908,384
Honey	Gal.	2,683,674	2,683,674	-	216,291	216,291	-
Animal fat	Kg.	172,347	-	172,347	109,746	-	109,746
Others	-	-	-	-	333,116	133,142	199,974
<u>Other miscellaneous industries</u>					423,924	176,909	247,015
Fumaric acid	Kg.	4,467	-	4,467	9,705	-	9,705
Ascorbic acid	Kg.	179	-	179	2,501	-	2,501
Corn starch	Kg.	20,909	-	20,909	27,500	-	27,500
Refined sugar	Kg.	326,940	326,940	-	148,680	148,680	-
Sodium bicarbonate	Kg.	27,400	-	27,400	10,763	-	10,763
Calcium carbonate	Kg.	17,476	-	17,476	7,321	-	7,321
Sodium citrate	Kg.	5,281	-	5,281	12,398	-	12,398
Calcium phosphate	Kg.	3,811	-	3,811	2,901	-	2,901
Gelatine	Kg.	28,785	-	28,785	108,134	-	108,134

<u>Activity and Raw Material</u>	<u>Unit</u>	<u>Quantity</u>			<u>Value (in colones)</u>		
		<u>Total</u>	<u>Domestic</u>	<u>Imported</u>	<u>Total</u>	<u>Domestic</u>	<u>Imported</u>
Lactogel	Kg.	1,469	-	1,469	8,107	-	8,107
Sodium pyrophosphate	Kg.	34,013	-	34,013	26,431	-	26,431
Flavors	Kg.	2,315	-	2,315	28,084	-	28,084
Salt	Kg.	331,674	331,674	-	25,231	25,231	-
Silicate	Kg.	2,763	-	2,763	1,932	-	1,932
Iodine	Kg.	29	-	29	261	-	261
Others	-	-	-	-	3,980	2,998	982

Source: Direccion General de Estadistica y Censos, Boletín Estadístico No. 68, Oct.- Dec. 1965
p. 282 - 289

TABLE IX

General Resume of the Food Manufacturing Industry by Department, 1961

Establishments with 5 or more employees

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Value in colones</u>		
				<u>Wages Paid</u>	<u>Raw Materials</u>	<u>Gross Product</u>
20	Food manufacturing industry, except drinks					
	Ahuachapan	51	1,249	365,008	9,331,754	11,655,543
	Santa Ana	77	5,730	3,334,787	58,543,870	74,803,727
	Sonsonate	39	2,329	1,162,808	17,379,509	25,901,310
	Chalatenango	63	647	115,393	1,208,730	2,822,264
	La Libertad	93	5,757	2,452,782	52,446,172	71,825,535
	San Salvador	159	4,922	6,060,455	47,645,944	84,224,418
	Cuscatlan	210	2,020	248,033	2,076,011	4,132,493
	La Paz	183	1,910	504,474	7,128,797	9,790,803
	Cabañas	89	696	70,052	549,437	1,069,829
	San Vicente	239	2,684	567,534	5,422,187	8,548,279
	Usulután	94	2,190	1,317,924	21,116,809	32,145,910
	San Miguel	187	3,038	1,228,577	15,132,139	21,163,448
	Morazan	123	825	39,256	647,444	930,959
	La Union	13	128	18,746	359,860	465,927

Source: Direccion General de Estadistica y Censos Tercer Censo Industrial, 1961 p. 12-23

TABLE X

Food Industry Establishments Classified by Size of Gross Sales, 1961

Establishments with 5 or more employees

<u>Code</u>	<u>Trade Category</u>	<u>Value in colones</u>					
		<u>Establishments which sell from (in colones):</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Value of Gross Product</u>	<u>Value Added</u>
20	Food manufacturing industry, except drinks						
Total			1,620	34,124	17,485,829	349,480,445	97,583,438
1,000 to 5,000			799	5,640	195,091	1,539,550	755,479
5,001 to 10,000			167	1,388	119,631	1,158,494	506,584
10,001 to 25,000			154	1,450	261,544	2,447,654	1,030,266
25,001 to 50,000			117	1,014	322,580	4,214,709	1,488,922
50,001 to 100,000			115	1,176	667,118	8,180,308	2,765,983
100,001 to 500,000			149	4,042	2,405,355	34,800,324	10,284,476
500,001 to 1,000,000			44	3,070	1,756,674	32,212,159	9,580,886
1,000,001 to 5,000,000			60	10,144	6,865,038	132,904,658	41,506,879
5,000,001 to 10,000,000			11	3,089	3,254,084	83,782,859	18,474,143
10,000,000 or More			4	3,111	1,638,714	48,239,730	11,189,820

Source: Direccion General de Estadistica y Censos Tercer Censo Industrial, 1961 p. 134-135

TABLE XI

General Resume of the Food Manufacturing Industry by Group, 1961
(Establishments with 4 or less employees)

Code	Industry Group	No. of Establishments	No. of Employees	Value in Colones		
				Wages Paid	Raw Materials	Gross Product
20	Food manufacturing industry except drinks	7,813	14,855	1,423,478	26,810,437	45,954,892
201	Livestock slaughtering and preparation of meat	2,596	4,503	164,275	12,875,781	7,930,150
2012	Meat cutters	1,155	2,231	82,717	6,665,277	8,110,693
2014	Preparation of ham, bacon and sausages	2	3	-	14,634	21,885
2015	Preparation of salami and pork sausage	11	57	11,377	705,315	950,197
2016	Manufacture of lard and other edible animal fats	1,428	2,212	70,181	5,490,555	8,847,375
202	Milk products	858	1,585	160,178	3,155,922	5,028,182
2021	Manufacture of milk products such as butter and cream	832	1,531	140,377	3,008,979	4,680,994
2023	Manufacture of ice cream and sherbet	26	54	19,801	146,943	347,188
203	Canning and preserving fruits and vegetables	2	6	2,340	21,146	45,100
2034	Manufacture of pickles, sauces and soups	2	6	2,340	21,146	45,100
204	Canning and preserving fish and other seafood	8	17	-	10,586	14,761
2041	Salting, drying, dehydrating, smoking, and curing fish, shrimp, and other seafood	8	17	-	10,586	14,761
205	Milling	14	925	362,281	606,546	2,848,790
2051	Corn milling	691	871	332,680	-	2,034,351
2053	Rice beneficiating	8	26	21,569	411,382	561,766

<u>Code</u>	<u>Industry Group</u>	<u>Value in colones</u>				
		<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Raw Materials</u>	<u>Gross Product</u>
2054	Rice milling	2	24	8,032	192,960	246,433
2059	Miscellaneous milled products	3	4	-	2,204	6,240
206	Bakery products	782	1,766	499,749	5,184,266	9,148,805
2061	Baking bread, pastry and cookies	779	1,757	495,599	5,177,710	9,131,281
2069	Miscellaneous bakery products	3	9	4,142	6,556	17,524
207	Sugar refining	680	2,541	42,403	300,662	785,735
2073	Grinding for panela and loat sugar	680	2,541	42,403	300,662	785,735
208	Cocoa, chocolate and confectionary manufacture	80	179	15,991	287,501	517,234
2081	Manufacture of confectionary and sweets	73	165	15,991	275,496	491,166
2089	Miscellaneous confectionaries	7	14	-	12,005	26,068
209	Other food products	2,093	3,333	176,269	4,368,027	9,636,135
2092	Ice manufacture	31	77	96,405	36,564	677,127
2093	Manufacture of extracts, honey, and syrups	5	11	900	122,317	174,746
2094	Pasta manufacture	1	3	2,502	17,820	30,240
2095	Tortilla manufacture	1,996	3,067	59,817	4,061,090	8,511,777
2096	Toasting and grinding coffee	10	23	8,921	73,533	112,058
2097	Manufacture of ices, sherbets, etc., except those made exclusively from milk	6	12	-	22,882	37,367
2099	Other miscellaneous food products	44	140	7,724	33,821	88,545

Source: Direccion General de Estadistica y Censos Tercer Censo Industrial, 1961 p. 154 - 155

TABLE XII

Output of Various Industry Groups, 1961

(Establishments with 4 or less employees)

<u>Code</u>	<u>Industry and Products Made</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
<u>2012</u>	Meat cutters	1,155			8,110,693
011-01	Fresh beef		Kg.	1,390,079	1,792,653
011-03	Fresh pork		Kg.	1,672,013	3,337,462
012-01	Pork products, dried salted, or smoked (bacon, ham, sausage, etc., not packaged)		Kg.	1,331,289	1,501,173
091-02	Lard		Kg.	240	640
211-01	Cowhides		Kg.	448,276	173,405
211-09	Pig hides		Kg.	535,101	181,282
291-01	Bones		Kg.	488,131	299,150
411-02	Tallow		Kg.	298,890	160,069
	Others		-	-	664,861
<u>2014</u>	Preparation of ham, bacon, and sausages	2			21,885
013-01	Meat of any kind prepared as sausage and products, not packaged		Kg.	5,041	21,885
<u>2015</u>	Preparation of salami and pork sausages	11			950,197
013-01	Meat of any kind prepared as sausage and products, not packaged		Kg.	329,460	950,197
<u>2016</u>	Manufacture of lard and other edible fats (animal fats)	1,428			8,847,375
012-01	Pork products, dried salted, or smoked (bacon, ham, sausage, etc., not packaged)		Kg.	752,663	2,001,347
091-02	Lard		Kg.	2,993,389	6,834,078
	Others		-	-	11,950

<u>Code</u>	<u>Industry and Products Made</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
<u>20</u>	Manufacture of milk products such as cheese, butter	832			4,680,994
021-02	Fresh cream		Ltr.	203,630	429,798
023-01	Butter		Kg.	23,551	46,369
024-01	Cheese		Kg.	1,939,998	4,155,769
	Others		-	-	49,058
<u>2023</u>	Manufacture of ice cream and sherbet	26			347,038
029-08	Ice cream		Hundred	137,122	198,456
029-09	Sherbets made from milk		Ltr.	86,230	142,182
	Others		-	-	6,400
<u>2034</u>	Manufacture of pickles sauces and soups	2			45,100
	Others		-	-	45,100
<u>2041</u>	Salting, drying, dehydrating, smoking, and curing fish, shrimp, and other seafood	8			14,761
031-02	Dried, salted, and smoked fish		Kg.	8,519	9,739
031-03	Shellfish, mollusks, oysters, etc.		Kg.	4,333	5,022
<u>2051</u>	Corn milling	691			-
<u>2053</u>	Rice beneficiating	8			511,840
042-02	Polished rice		Kg.	583,096	242,554
081-02	Bran and other secondary products		Kg.	993,200	252,483
	Others		-	-	16,803
<u>2054</u>	Rice milling	12			220,735
047-09	Rice flour		Kg.	420,072	213,245
	Others		-	-	7,490

<u>Code</u>	<u>Industry and Products Made</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
<u>201</u>	Miscellaneous milling products	3			6,240
	Others		-	-	6,240
<u>2061</u>	Baking bread, pastry, and cookies	779			9,131,021
048-04	French bread		-	-	3,414,641
048-06	Sweet goods, crackers, cookies and similar products		-	-	5,712,780
	Others		-	-	3,600
<u>2069</u>	Miscellaneous bakery products	3			17,524
048-06	Sweet goods, crackers, cookies and similar products		-	-	7,300
	Others		-	-	10,224
<u>2073</u>	Grinding for panela and loaf sugar	680			782,343
061-03	Pure honey		Gal.	4,416	960
061-04	Panela		Kg.	3,577,318	781,373
	Others		-	-	10
<u>2081</u>	Manufacture of confectionary and sweets	73			490,936
062-01	Sweets of all kinds		-	-	480,496
073-01	Chocolate and chocolate products		Kg.	5,661	10,440
<u>2089</u>	Misc. confectionary and sweets	7			26,068
073-01	Chocolate and chocolate products		Kg.	6,050	9,340
	Others		-	-	16,728
<u>2092</u>	Ice manufacture	31			677,127
272-19	Ice		Kg.	9,673,242	677,127

<u>Code</u>	<u>Industry and Product Made</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
<u>2093</u>	Manufacture of extracts, honey and syrups	5			174,746
061-06	Pure honey and syrups		Gal.	78,740	174,746
<u>2094</u>	Pasta manufacture	1			30,240
048-03	Macaroni, fideos, and other pasta		Kg.	33,120	30,240
<u>2095</u>	Tortilla manufacture	1,996			8,511,477
048-07	Tortilla and similar corn products		-	-	8,503,304
	Others		-	-	8,173
<u>2096</u>	Toasting and grinding coffee	10			112,058
071-05	Coffee toasting and grinding		Kg.	62,213	112,058
<u>2097</u>	Manufacture of ices, sherbets, etc., except those made exclusively from milk	6			37,367
029-09	Ice cream of any type		Hundred	3,754	15,216
029-09	Ices and sherbets of all kinds		Ltr.	13,943	22,151
<u>2099</u>	Miscellaneous food manufacturing	44			88,545
075-02	Cinnamon and spices		Kg.	5,980	14,560
221-02	Copra		Kg.	188,140	12,270
599-03	Refined starch		Kg.	192,786	47,900
	Others		-	-	13,815

Source: Direccion General de Estadistica y Censos, Tercer Censo Industrial, 1961 p. 212-214

TABLE XIII

Quantity and Value of Product Groups, 1961

(Establishments with 4 or less employees)

<u>Code</u>	<u>Industry Group</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
	<u>Meats: fresh, refrigerated, and frozen</u>			5,130,115
011-01	Fresh beef	Kg.	1,390,079	1,792,653
011-03	Fresh pork	Kg.	1,672,013	3,337,462
	<u>Dried, salted, smoked, or cooked meat</u>			4,474,602
012-01	Pork products, dried, salted, or smoked (bacon, ham, sausage, etc. not packaged)	Kg.	2,083,952	3,502,520
013-01	Meat of any kind prepared as sausage and products, not packaged	Kg.	334,501	972,082
	<u>Fresh milk and cream</u>			429,798
021-02	Fresh cream	Ltr.	203,630	429,798
	<u>Butter</u>			46,369
023-01	Butter	Kg.	23,551	46,369
	<u>Cheese</u>			4,155,769
024-01	Cheese	Kg.	1,939,998	4,155,769
	<u>Ice cream and sherbet</u>			378,005
029-08	Ice cream sticks, ice cream and sherbet	Hundred	140,876	213,672
029-09	Sherbets made from milk	Ltr.	100,173	164,333
	<u>Fish: fresh or canned</u>			14,761
013-02	Dried, salted, or smoked fish	Kg.	8,519	9,739
031-03	Shellfish, mollusks, oysters, etc.	Kg.	4,333	5,022

<u>Code</u>	<u>Industry Group</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
	<u>Rice</u>			242,554
042-02	Polished rice	Kg.	583,096	242,554
	<u>Rice milling</u>			213,245
047-09	Rice flour	Kg.	420,072	213,245
	<u>Material for cereals</u>			17,668,265
048-03	Macaroni, fideos, and other pasta	Kg.	33,120	30,240
048-04	French bread	-		3,410,641
048-06	Sweet goods, crackers, cookies and similar products	-		5,720,080
048-07	Tortilla and similar corn products	-		8,503,304
	<u>Sugar</u>			957,079
061-03	Honey	Gal.	4,416	960
061-04	Brown sugar	Kg.	3,577,318	781,373
061-06	Pure honey and syrups	Gal.	78,740	174,746
	<u>Other sugar products</u>			480,496
062-01	Sweets of all kinds	-	-	480,496
	<u>Coffee</u>			112,058
071-05	Toasted and grinded coffee	Kg.	62,213	112,058
	<u>Chocolate</u>			19,780
073-01	Chocolate and chocolate products	Kg.	11,711	19,780
	<u>Flavorings</u>			14,560
075-02	Cinnamon and spices	Kg.	5,980	14,560
	<u>Feed materials</u>			252,483
081-02	Bran and other secondary products	Kg.	993,200	252,483

<u>Cc</u>	<u>Industry Group</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value</u>
	<u>Margarine and fats</u>	,		6,834,718
091-02	Hog fat	Kg.	2,993,629	6,834,718

Source: Direccion General de Estadistica y Censos Tercer Censo Industrial, 1961
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TABLE XIV

Quantity and Value of Raw Materials Consumed, 1961

(Establishments with 4 or less employees)

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
<u>2012</u>	Meat cutters	1,155			6,665,277
001-01	Fresh beef		Head	21,526	2,047,035
001-03	Fresh pork		Head	75,351	4,617,403
272-05	Salt		Kg.	5,193	779
	Others		-	-	60
<u>2014</u>	Preparation of ham, bacon, and sausage	2			14,622
011-03	Pork meat		Kg.	6,845	13,392
075-02	Cinnamon and spices		Kg.	95	515
272-05	Salt		Kg.	323	35
	Others		-	-	692
<u>2015</u>	Preparation of salami and pork sausages	11			705,315
011-01	Fresh beef		Kg.	574	998
011-03	Fresh pork		Kg.	339,948	385,203
012-01	Pork products dried, salted, or smoked (bacon, ham, sausage, etc.) not packaged		Kg.	142,680	239,064
075-02	Cinnamon and spices		Kg.	1,222	5,471
272-05	Salt		Kg.	5,020	671
	Others		-	-	73,908

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
<u>2016</u>	Manufacture of lard and other edible animal fats	1,428			5,490,555
012-01	Pork products dried, salted, or smoked (bacon, ham, sausage, etc.) not packaged		Kg.	4,633,850	5,478,425
272-05	Salt		Kg.	74,444	12,085
	Others		-	-	45
<u>2021</u>	Manufacture of milk products such as cheese, butter	882			3,008,979
021-01	Fresh milk		Ltr.	14,499,449	2,938,615
272-05	Salt		Kg.	280,556	33,594
272-19	Ice		Kg.	299	15
512-09	Lactic acid		Doz.	33,836	36,748
	Others				7
<u>2023</u>	Manufacture of ice cream and sherbet	26			146,943
021-01	Fresh milk		Ltr.	51,009	18,748
021-02	Fresh cream		Ltr.	814	2,316
022-02	Powdered milk		Kg.	17,537	25,792
025-01	Eggs		Doz.	517	730
051-01	Fresh fruits		-	-	7,399
052-01	Dried fruits		-	-	727
061-01	Unrefined sugar		Kg.	2,105	1,098
061-02	Refined sugar		Kg.	266,589	44,415
061-06	Pure honey and syrup		Gal.	7	36

<u>Cc</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
073-01	Chocolate and materials		Kg.	1,104	2,400
075-02	Cinnamon and spices		Kg.	198	558
075-03	Vanilla		Kg.	84	556
272-05	Salt		Kg.	20,046	2,331
272-19	Ica		Kg.	233,910	10,492
412-07	Coconut oil		Gal.	38	312
512-11	Citric acid and tartar sauce		Kg.	46	300
522-01	Artificial coloring		Kg.	8	144
551-02	Natural or artificial fruit flavoring		Kg.	387	4,235
	Others		-	-	24,354
<u>2034</u>	Manufacture of pickles sauces and soups	2			21,146
075-02	Cinnamon and spices		Kg.	288	3,475
272-05	Salt		Kg.	644	63
	Others		-	-	17,608
<u>2041</u>	Salting, drying, dehydrating, smoking and curing fish, shrimp and other seafood	8			10,586
031-01	Fresh fish		Kg.	10,495	6,645
031-03	Shellfish, mollusks, oysters, etc.		Kg.	8,666	3,300
272-05	Salt		Kg.	3,904	641
<u>2053</u>	Rice beneficiating	8			411,382
042-01	Whole rice		Kg.	1,822,888	411,382

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
<u>2054</u>	Rice milling	12			192,960
042-02	Polished rice		Kg.	463,036	192,960
<u>2059</u>	Miscellaneous milling products	3			2,204
	Others		-	-	2,204
<u>2061</u>	Baking bread, pastry and cookies	779			5,177,710
011-03	Pork meat		Kg.	191	499
021-01	Fresh milk		Ltr.	10,892	4,575
021-02	Fresh cream		Ltr.	2,511	5,477
022-02	Powdered milk		Kg.	2,977	4,531
023-01	Butter		Kg.	3,120	7,625
024-01	Cheese of any kind		Kg.	20,086	38,467
025-01	Eggs		Doz.	413,494	451,509
026-01	Bee honey		Ltr.	1,620	2,160
042-02	Polished rice		Kg.	3,708	1,662
044-01	Ground corn		Kg.	22,672	5,789
045-03	Millet		Kg.	828	144
046-01	Wheat flour		Kg.	4,639,965	2,418,210
047-02	Corn flour		Kg.	10,727	3,411
047-09	Rice flour		Kg.	415,853	209,695
051-01	Fresh citric fruits		-	-	251
061-01	Unrefined sugar		Kg.	28,212	14,510
061-02	Refined sugar		Kg.	915,583	507,079
061-04	Brown sugar		Kg.	193,156	34,987
061-12	Yellow sugar		Kg.	1,638	791

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
075-02	Cinnamon and spices		Kg.	1,324	9,082
075-03	Vanilla		Kg.	256	390
091-02	Lard		Kg.	435,565	892,566
091-03	Vegetable oil		Kg.	190,256	279,362
099-09	Yeast		Kg.	73,203	195,117
221-09	Sesame and olive seed		Kg.	270	328
272-05	Salt		Kg.	80,887	13,015
412-03	Cotton seed oil		Gal.	3,617	14,102
412-07	Coconut oil		Gal.	72	360
511-06	Sodium Barcarbonate		Gal.	346	477
511-07	Amonia (without water or in solution)		Kg.	317	1,125
532-01	Synthetic dyes		Kg.	19	247
551-02	Flavors		Kg.	93	316
599-03	Starch		Kg.	6,478	3,623
	Others		-	-	54,734
<u>2069</u>	Bakery products	3			6,556
046-01	Wheat flour		Kg.	7,045	3,623
061-02	Refined sugar		Kg.	4,823	2,676
599-03	Starch		Kg.	662	233
	Others		-	-	24
<u>2073</u>	Grinding of cane for brown sugar cakes and loaf sugar	680			300,662
054-03	Sugar cane		Ton	38,464	300,238
661-01	Lime		Kg.	42	8
	Others		-	-	416

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
<u>2081</u>	Manufacture of confectionary and sweets	73			275,496
021-01	Fresh milk		Ltr.	23,125	9,914
021-02	Fresh cream		Ltr.	20	48
022-02	Powdered milk		Kg.	1,149	2,574
025-01	Eggs		Doz.	650	780
044-01	Whole corn		Kg.	166	36
046-01	Wheat flour		Kg.	18,199	9,501
051-01	Fresh fruits		-	-	3,357
052-01	Dried fruits		-	-	2,317
054-05	Yucca		Kg.	613	200
061-01	Unrefined sugar		Kg.	10,051	5,437
061-02	Refined sugar		Kg.	329,767	174,359
061-03	Honey		Gal.	7,360	1,200
061-04	Brown sugar		Kg.	38,369	8,906
061-12	Yellow sugar		Kg.	1,472	913
072-01	Cocoa grains		Kg.	5,310	8,190
075-02	Cinnamon and spices		Kg.	415	3,139
075-03	Vanilla		Kg.	165	440
091-02	Lard		Kg.	19	42
221-01	Peanuts		Kg.	9,787	10,626
221-09	Sesame and olive seed		Kg.	1,851	1,009
272-05	Salt		Kg.	50	8
412-03	Cotton seed oil		Gal.	75	187
512-11	Citric and tartaric acid		Kg.	6	.26

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
532-01	Synthetic dyes		Kg.	55	1,572
551-02	Flavors		Kg.	299	6,701
599-03	Starch		Kg.	96	52
	Others		-	-	23,962
<u>2089</u>	Miscellaneous confectionary and sweets	7			12,005
022-02	Powdered milk		Kg.	276	600
042-02	Polished rice		Kg.	552	312
044-01	Whole corn		Kg.	1,104	192
061-01	Unrefined sugar		Kg.	191	104
061-02	Refined sugar		Kg.	5,044	2,735
072-01	Cocoa beans		Kg.	1,924	3,653
075-02	Cinnamon and spices		Kg.	163	985
091-02	Lard		Kg.	144	312
221-01	Peanuts		Kg.	4,250	1,886
272-05	Salt		Kg.	127	20
412-03	Cotton seed oil		Gal.	32	160
	Others				11,546
<u>2092</u>	Manufacture of ice	31			36,564
272-05	Salt		Kg.	117,433	10,872
511-07	Amonia		Kg.	3,889	18,499
	Others		-	-	7,193
<u>2093</u>	Manufacture of extracts, honey, and syrups	5			122,317
051-01	Fresh fruits		-	-	316
061-01	Unrefined sugar		Kg.	126,960	65,312

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
061-02	Refined sugar		Kg.	84,916	46,461
512-11	Citric and tartar acid		Kg.	96	516
532-01	Chemical (synthetic) dyes		Kg.	384	6,016
551-02	Flavors		Kg.	406	2,948
	Others		-	-	748
<u>2094</u>	Manufacture of pasta	1			17,820
046-01	Wheat flour		Kg.	37,260	17,820
<u>2095</u>	Tortilla manufacture	1,996			4,061,090
044-01	Whole corn		Kg.	16,086,057	4,022,404
045-03	Millet		Kg.	4,140	720
047-09	Rice flour		Kg.	4,198	2,190
661-01	Lime		Kg.	294,971	35,677
	Others		-	-	99
<u>2096</u>	Toasting and grinding coffee	10			73,533
044-01	Whole corn		Kg.	2,576	560
045-03	Millet		Kg.	14,444	2,716
071-04	Golden coffee		Kg.	61,180	69,137
	Others		-	-	1,120
<u>2097</u>	Manufacture of ice cream, sherbets, etc., except those made exclusively from milk	6			22,882
021-01	Fresh milk		Ltr.	6,044	2,053
051-01	Fresh citric fruits		-	-	4,933

<u>Co</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>Unit</u>	<u>Quantity</u>	<u>Value (in colones)</u>
061-02	Refined sugar		Kg.	14,478	8,078
075-02	Cinnamon and spices		Kg.	14	93
075-03	Vanilla		Kg.	9	156
272-05	Salt		Kg.	7,810	898
272-02	Ice		Kg.	56,362	2,677
551-02	Fruit flavors		Kg.	146	199
	Others		-	-	3,795
<u>2099</u>	Miscellaneous food manufacturing	44			33,821
011-03	Pork		Kg.	308	661
012-01	Hog meat, dried, salted, or smoked (bacon, ham, saus. etc.) not packaged		Kg.	264	612
021-01	Fresh milk		Ltr.	274	110
044-01	Whole corn		Kg.	5,112	1,317
045-02	Unmilled oats		Kg.	185	120
046-01	Wheat flour		Kg.	168	110
054-05	Yucca		Kg.	45,816	14,661
061-01	Unrefined sugar		Kg.	168	110
061-02	Refined sugar		Kg.	368	180
072-01	Cocoa beans		Kg.	368	480
075-02	Cinnamon and spices		Kg.	11,959	10,743
075-03	Vanilla		Kg.	3	32
091-02	Lard		Kg.	870	1,792
661-01	Lime		Kg.	180	9
	Others		-	-	2,884

Source: Dirección General de Estadística y Censos Tercer Censo Industrial - 1961
p. 181 - 185

TABLE XV

General Resume of the Food Manufacturing Industry, 1961

Establishments with 4 or less employees

Value in Colones

<u>Code</u>	<u>Industry Group</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Raw Materials</u>	<u>Gross Product</u>
20	Food manufacturing industry, except drinks					
	Ahuachapán	293	488	57,400	919,385	1,686,983
	Santa Ana	718	1,173	136,816	2,163,370	3,967,230
	Sonsonate	293	501	99,481	1,089,279	2,129,644
	Chalatenango	485	959	23,422	937,890	1,507,386
	La Libertad	500	850	162,760	1,863,002	3,408,747
	San Salvador	1,590	2,692	438,382	7,879,372	14,243,721
	Cuscatlan	493	1,192	38,084	1,281,638	2,000,052
	La Paz	475	1,062	90,464	1,732,700	2,712,385
	Cabañas	162	340	17,676	678,661	1,006,618
	San Vicente	471	915	47,701	1,452,580	2,360,025
	Usulután	684	1,199	120,300	2,527,240	4,190,843
	San Miguel	819	1,684	87,103	2,522,356	3,817,245
	Morazan	452	963	54,053	1,001,753	1,573,377
	La Unión	378	837	49,836	761,211	1,350,636

Source: Dirección General de Estadística y Censos Tercer Censo Industrial, 1961
p. 162 - 173

TABLE XVI

Food Manufacturing Firms in El Salvador

Financial Strength

Over ₡1,500,000

Sugar Mill and Refining

Compania Agricola E Industrial, San Salvador

Duenas Trigueros y Cia, San Salvador

Ingenio El Castano, S.A., San Salvador

La Cabana, S.A., San Salvador

Melendez y Cia, Ingenio El Angel, San Salvador

Refineria Salvadoreña de Azucar, San Salvador

Compania Agricola Bustamante, Santa Tecla

Coffee Roasting

Battle Hermanos, Santa Ana

Llach Prudencio, San Salvador

Alvarez El Molino, Santa Clara

Cotton Seed Oil, Shortening, Other Edible Oils

El Dorado, S.A., San Salvador

La Fabril de Aceites, San Salvador

Flour and Feed

Fabrica Molinera Salvadoreña, S.A., San Salvador

Molinos de El Salvador, San Salvador

Brewery and Soft Drink Bottler

La Constancia, S.A., San Salvador

Instant Coffee

Productos de Cafe, S.A., San Salvador

Shrimp Packers

Pesca, S.A., San Salvador

From ¢750,000 to ¢1,500,000

Soft Drink Bottlers

Canada Dry, S.A., San Salvador

La Cascada, S.A., San Salvador

Bakery

Hernandez Abril y Cia, San Salvador

Candy, Confectionary

Fabrica de Productos Alimenticios Delicia, S.A., San Salvador

Dairy Products

Empresas Lacteas Foremost, S.A., San Salvador

Grain and Rice Mill

Concentrados Union, San Salvador

Instant Coffee and Bean Flour

Alimentos Centro Americanos, S.A., San Salvador

From ¢250,000 to ¢750,000

Edible Oils, Margarine, Lard

Frixone Daniel, "Super Manteca La Marquita," San Salvador

Grasas Aceitas y Derivados, S.A., San Salvador

Productos Alimenticios, S.A., San Salvador

Productos Nacionales, S.A., San Salvador

Candy, Confectionary

Delicia, S.A., San Salvador

Duarte, Jose G., Dulceria El Sol, San Salvador

Dairy Products

Industrias Lacteas Alfa, San Salvador

Productos Lacteos, S.A., San Salvador

Fisheries

Pesquera del Pacifico, S.A., San Salvador

Pesquera del Triunfo, S.A., San Salvador

Bakery

Pan Lido, S.A., San Salvador

Coffee Roasting

Araujo and Cia, S.A., San Salvador

Fruit Juice Cannery

Alimentos Envasados, S.A., San Salvador

Ice Cream Cones, Straws

Zablah Kattan, Miguel David, San Salvador

Meat Packers

Pacific Cannery, Santa Tecla

Poultry Farming

Incubadora Oak Crest de Centro America, San Salvador

Rice Mill

Empresas Industriales San Benito, S.A., San Salvador

From ¢100,000 to ¢250,000

Poultry Farms

Bustamante Portillo, Roberto y Leonidas, Santa Ana

Gonzalez, Lemus Palomo y Cia, San Salvador

Granja Aqua Caliente Soyapango, San Salvador

Candy, Chewing Gum and Confectionary

Cabrera, Carmen de, Confiteria Americana, San Salvador

Lases y Cia, Alejandro, San Salvador

Lopez M, Armando, San Salvador

Pasta

Corticelli, Carlos, San Salvador

Olono y Tesak, San Salvador

Bakery

Gonzalez, Maria Luisa, San Salvador

Dairy Products

Cooperativa Lechera de Oriente, San Salvador

Dehydrated Soup, Pasta

Cader, Alfonso E, San Salvador

Pickles, Meat Preserves

Compania Salvadoreña de Alimentos, S.A., San Salvador

Preserves

Jacir, Salomon J., San Salvador

Sugar

Cooperativa Azucarera Salvadoreña Ltda, San Salvador

From ¢40,000 to ¢100,000

Bakery

Riccio y Cia, Antonio, San Salvador

Verri, Bruno, San Salvador

Miscellaneous Food Products

Bendix, Bevelheimer y Cia, San Salvador

Industria Centro Americana de Alimentos, San Salvador

Poultry Farming

Incubaciones Avinsa, S.A., San Salvador

Paredes Barahona, S.A., San Salvador

Cannery

Enlatadora Santaneca, Santa Ana

Soft Drink Bottlers

Villa Vicencio, Clara Bonilla de, San Salvador

From ¢12,500 to ¢40,000

Candy, Confectionary

Garcia, Francisco German, San Salvador

Mena, Jose A., San Salvador

Rodriguez, Ndrés Aparicio, San Salvador

Bakery

Galloni, Elpidio, San Salvador

Poultry Farming

Cooperativa Avicola de Occidente, Santa Ana

Below \$12,500 or Unranked

Coffee

Alfaro and Cia, San Salvador

Salaverria Hnos

Dairy

Cooperativa Lechera de Oriente, San Miguel

Flour Mill

Dominquez, Sucs. Gustavo J., San Salvador

Gelatin

Compania Diaz Papini, San Salvador

Miscellaneous Food Products

Lacayo L. Salvador, San Salvador

Poultry Farming

Paredes and Co., Mario, Santo Tomas

Rice Milling

Industrias de Arroz, San Salvador

TABLE I

General Resume, By Category, of Wholesale and Retail Trade
in the Food Area
1961

<u>Code</u>	<u>Category</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Gross Sales</u>	<u>Purchases During 1961</u>
611	Wholesale trade	326	1,507	4,629,681	251,704,343	46,790,672
611-01	Wholesale trade in materials primarily of animal and vegetable origin	57	105	33,457	5,001,629	5,936
611-01	Grain	25	51	19,786	2,212,107	5,936
611-02	Cotton	3	6	-	63,200	-
611-03	Coffee	3	9	8,717	1,208,565	-
611-04	Balsam and resins	3	4	1,440	104,960	-
611-05	Stem tobacco	1	2	-	27,375	-
611-06	Honey	2	4	1,586	16,524	-
611-08	Cattle	15	23	1,928	1,117,550	-
611-09	Other materials primarily of animal and vegetable origin	5	6	-	251,348	-
611-08	Wholesale trade in food products, drinks and tobacco	157	479	923,934	16,966,870	8,297,802
611-81	Fruit and vegetables	5	14	3,331	228,100	-
611-83	Poultry and products	27	80	56,152	1,841,485	-
611-84	Fish and shellfish	2	39	208,026	1,885,068	-
611-85	Milk, butter, cheese and other dairy products	96	178	208,430	3,629,623	1,049,140
611-86	Alcoholic and non-alcoholic drinks	16	64	93,826	4,900,501	3,579,390

<u>Code</u>	<u>Category</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Gross Sales</u>	<u>Purchases During 1961</u>
611-87	Sweets, chicles and confectionary products	2	31	162,434	1,082,710	687,380
611-89	Miscellaneous food products	9	73	191,735	3,399,383	2,981,842
611-95	Importers of food products, drinks and tobacco	3	36	63,682	1,249,821	653,086
612	Retail Trade	15,988	35,233	10,646,333	299,982,228	77,756,909
612-0	Retail trade in foodstuffs	12,194	24,001	1,298,882	126,087,436	5,439,136
612-01	Meat and fish	174	1,382	76,323	16,513,785	409,306
612-02	Milk and milk products	553	994	114,306	4,696,574	-
612-03	Fruit and vegetables	236	2,400	4,980	8,084,160	31,010
612-04	Bread and baked goods	91	383	49,349	2,579,378	-
612-05	Grain	423	1,905	34,949	11,789,045	-
612-06	Groceries and candy shops	81	266	161,491	3,549,948	703,077
612-07	Poultry and products	41	148	6,024	961,869	-
612-08	Food stores, general stores, and other establishments where a variety of food stuffs are sold	10,459	16,036	759,079	75,345,148	4,130,493
613	Mixed Trade	941	6,749	13,176,730	270,161,023	165,626,816
613-0	Mixed trade in food stuffs	415	1,707	2,227,527	83,152,177	57,252,612
613-01	Meat and fish	17	80	49,773	1,493,219	282,292

<u>Code</u>	<u>Category</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Gross Sales</u>	<u>Purchases During 1961</u>
613-02	Milk and milk products	29	62	65,647	1,706,789	113,867
613-03	Fruits and vegetables	12	33	11,215	478,120	
613-04	Bread and baked goods	18	157	296,632	3,281,742	469,607
613-05	Grain	99	255	78,488	9,573,503	633,001
613-06	Groceries and candy shops	24	207	460,196	13,339,921	1,348,816
613-07	Poultry and products	24	63	33,487	760,954	
613-08	Food stores, general stores, and other establishments where a variety of food stuffs are sold	158	528	243,140	15,059,149	5,183,779
613-09	Other miscellaneous food stuff dealers	34	322	988,949	37,458,780	49,221,250

Source: Direccion General de Estadistica y Censos, Tercer Censo de Comercio y Servicios, 1961, p. 1-4

TABLE II

General Resume, By Category, of Wholesale and Retail Trade
in the Food Area
1964

<u>Code</u>	<u>Category</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Gross Sales</u>	<u>Purchases during 1964</u>
	Wholesale trade	524	8,303	28,263,023	565,857,359	426,880,177
	Wholesale trade in materials primarily of animal and vegetable origin	78	399	1,395,337	88,519,330	76,481,354
611-11	Grain	26	88	126,831	5,030,308	3,878,999
611-12	Cotton	11	9	17,430	3,376,516	2,736,584
611-13	Coffee	30	162	789,639	68,066,942	56,594,987
611-04	Balsams and resins	4	10	13,924	265,825	301,401
611-15	Stem tobacco	2	4	2,330	366,036	268,606
611-17	Importers and exporters of materials primarily of animal and vegetable origin	1	12	42,487	2,248,432	2,236,816
611-18	Cattle	4	47	45,467	1,547,376	914,271
611-19	Other materials primarily of animal and vegetable origin	6	67	357,229	12,144,835	9,549,690
	Wholesale trade in food products, drinks and tobacco	52	661	1,663,383	27,814,215	20,255,065
611-81	Fruits, vegetables	2	14	33,345	936,306	657,300
611-82	Meat	3	28	46,690	1,759,293	1,330,755
611-83	Poultry and products	3	45	60,171	1,594,095	1,293,791
611-85	Milk, butter, cheese and other dairy products	8	110	233,727	3,101,045	2,098,594

<u>Code</u>	<u>Category</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Gross Sales</u>	<u>Purchases During 1964</u>
611-86	Alcoholic and non alcoholic drinks	25	289	781,335	13,173,848	6,876,208
611-87	Sweets, chicles and confectionary products	5	25	33,031	1,423,613	1,298,036
611-89	Miscellaneous food products	6	150	475,084	5,826,015	6,700,381
	Retail trade	5,514	14,811	12,170,414	317,024,123	257,017,810
	Retail trade in foodstuffs	2,498	4,937	1,318,313	66,753,630	53,633,608
612-11	Poultry and products	2	12	10,710	121,199	88,275
612-12	Liquor and sweets	67	239	319,645	11,461,088	9,930,252
612-13	Milk and products	14	32	34,448	1,056,995	872,220
612-14	Meat, fish, etc.	14	50	46,274	1,133,183	890,471
612-15	Fruits and vegetables	4	12	5,685	102,894	85,299
612-16	Bread and baked goods	15	36	31,618	641,438	254,890
612-18	Supermarkets, food stores, etc.	2,362	4,485	830,743	52,236,833	41,209,948
612-19	Others	20	71	39,190	386,110	302,253

Source: Direccion General de Estadística y Censos Anuario Estadístico, Vol II, 1964 p. 330-337

TABLE III
 General Resumé of Food Stores and General Stores
 By Department

1961				
<u>Department</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Gross Sales</u>
Ahuachapán				
Retail Trade	614	973	22,478	2,612,531
Mixed Trade	6	19	2,784	260,700
Santa Ana				
Retail Trade	1,472	2,106	118,021	9,317,451
Mixed Trade	25	64	19,605	1,534,191
Sonsonate				
Retail Trade	792	1,278	28,332	4,988,803
Mixed Trade	8	26	10,868	527,642
Chalatenango				
Retail Trade	393	583	8,594	1,516,911
Mixed Trade	1	2	-	12,775
La Libertad				
Retail Trade	1,057	1,614	62,526	5,957,511
Mixed Trade	11	28	6,612	687,750
San Salvador				
Retail Trade	3,064	4,773	419,993	33,945,504
Mixed Trade	65	270	175,938	9,906,321

<u>Department</u>	<u>No. of Establishments</u>	<u>No. of Employees</u>	<u>Wages Paid</u>	<u>Gross Sales</u>
Cuscatlan				
Retail Trade	395	559	8,205	2,271,749
Mixed Trade	7	17	1,440	143,674
La Paz				
Retail Trade	417	671	13,068	2,177,461
Mixed Trade	5	13		130,530
Cabanas				
Retail Trade	188	315	6,468	1,102,857
Mixed Trade	4	8	720	128,200
San Vicente				
Retail Trade	354	505	6,000	1,751,925
Mixed Trade	1	1	-	18,000
Usulután				
Retail Trade	628	950	11,114	3,500,040
Mixed Trade	9	33	18,673	837,959
San Miguel				
Retail Trade	677	1,065	39,714	3,945,210
Mixed Trade	13	38	4,340	767,557
Morazan				
Retail Trade	148	262	480	750,645
Mixed Trade	3	9	2,160	103,850
La Union				
Retail Trade	260	382	14,086	1,506,550
Mixed Trade	-	-	-	-

Source: Dirección General de Estadística y Censos Tercer Censo de Comercio y Servicios, 1961, p. 5-21

TABLE IV

1961

Establishments, Employees, Wages Paid, and Sales Volume for Selected Segments of Wholesale and Retail Trade

Trade Category	Total	Establishments which sell from (in colones):									
		1,000 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 to 500,000	500,001 to 1,000,000	1,000,001 to 5,000,000	5,000,001 to 10,000,000	10,000,001 or More
611-89 Wholesale Trade in Miscellaneous Food Products											
No. of Establishments	9	1	1	2	2	1	-	-	2	-	-
No. of Employees	73	1	1	6	3	2	-	-	60	-	-
Wages Paid	191,735	-	-	-	-	1,300	-	-	190,435	-	-
Value of Sales	3,399,383	1,800	9,100	25,600	69,600	73,000	-	-	3,220,283	-	-
611-95 Importers of Miscellaneous Food Products											
Establishments	3	-	-	-	-	1	1	1	-	-	-
No. of Employees	36	-	-	-	-	7	2	27	-	-	-
Wages Paid	63,682	-	-	-	-	8,238	1,200	54,244	-	-	-
Value of Sales	1,249,821	-	-	-	-	58,539	402,850	788,432	-	-	-

Trade Category	Total	Establishments which sell from (in colones):									
		1,000 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 to 500,000	500,001 to 1,000,000	1,000,001 to 5,000,000	5,000,001 to 10,000,000	10,000,001 or More
Retail Trade											
612-01											
Meat and Fish Stores											
No. of Establishments	174	49	17	33	24	21	25	2	3	-	-
No. of Employees	1,382	73	28	65	76	166	504	48	422	-	-
Wages Paid	76,323	810	1,015	2,300	1,599	7,378	46,861	1,550	14,810	-	-
Value of Sales	16,513,785	129,693	121,005	519,116	861,841	1,895,912	4,878,255	1,209,545	6,898,418	-	-
612-02											
Milk and Dairy Products											
No. of Establishments	553	353	114	51	18	9	8	-	-	-	-
No. of Employees	994	463	168	112	59	49	143	-	-	-	-
Wages Paid	114,306	36,887	32,704	26,701	5,519	8,986	3,509	-	-	-	-
Value of Sales	4,696,574	895,322	790,893	778,223	641,176	594,876	996,084	-	-	-	-
612-03											
Fruits and Vegetables											
No. of Establishments	236	152	31	20	10	8	13	1	1	-	-
No. of Employees	2,400	194	91	132	87	282	1,116	239	259	-	-
Wages Paid	4,980	-	-	2,160	1,200	-	1,260	360	-	-	-
Value of Sales	8,084,160	307,481	221,424	342,318	361,620	947,632	3,433,877	553,756	1,916,052	-	-

Trade Category	Total	Establishments which sell from (in colones):									
		1,000 to 5,000	5,001 to 10,000	10,001 to 25,000	25,000 to 50,000	50,001 to 100,000	100,001 to 500,000	500,001 to 1,000,000	1,000,001 to 5,000,000	5,000,001 to 10,000,000	10,000,000 or More
612-04											
Bread and Baked Goods											
No. of Establishments	91	22	19	22	12	12	4	-	-	-	-
No. of Employees	383	29	30	78	65	126	55	-	-	-	-
Wages Paid	49,349	468	5,228	3,240	3,060	17,236	20,117	-	-	-	-
Value of Sales	2,579,378	52,088	139,929	343,338	433,500	920,005	690,518	-	-	-	-
612-05											
Grain											
No. of Establishments	423	117	120	87	54	19	25	1	-	-	-
No. of Employees	1,905	150	189	174	263	156	901	72	-	-	-
Wages Paid	34,949	984	1,200	2,480	10,824	5,152	13,409	900	-	-	-
Value of Sales	11,789,045	305,189	855,774	1,351,187	1,887,276	1,287,220	5,528,131	574,268	-	-	-
612-06											
Groceries and Candy Stores											
No. of Establishments	81	22	8	19	12	13	7	-	-	-	-
No. of Employees	266	32	20	38	31	52	93	-	-	-	-
Wages Paid	161,491	4,492	144	3,420	5,882	19,406	128,147	-	-	-	-
Value of Sales	3,549,948	59,728	61,665	320,092	479,473	908,705	1,720,285	-	-	-	-

Establishments which sell from (in colones):

Trade Category	Total	Establishments which sell from (in colones):									
		1,000 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 to 500,000	500,001 to 1,000,000	1,000,001 to 5,000,000	5,000,001 to 10,000,000	10,000,000 or More
612-07											
Poultry and Poultry Products											
No. of Establishments	41	19	5	8	4	1	4	-	-	-	-
No. of Employees	148	28	8	15	14	12	71	-	-	-	-
Wages Paid	6,024	-	540	1,800	1,500	-	2,184	-	-	-	-
Value of Sales	961,869	41,703	35,388	120,361	119,860	57,713	586,844	-	-	-	-
612-08											
Food Stores, General Stores and other Establishments where a variety of Food Stuffs are sold											
No. of Establishments	10,459	6,619	2,042	1,377	297	79	43	1	1	-	-
No. of Employees	16,036	8,775	3,128	2,414	694	426	527	46	26	-	-
Wages Paid	759,079	52,527	86,515	181,886	130,795	63,886	140,210	64,010	39,250	-	-
Value of Sales	75,345,148	15,870,598	14,331,209	20,516,555	9,814,423	5,637,473	7,574,657	516,292	1,083,941	-	-
Mixed Trade											
613-01											
Meat and Fish											
No. of Establishments	17	3	-	1	5	3	5	-	-	-	-
No. of Employees	80	4	-	1	14	6	55	-	-	-	-
Wages Paid	49,773	-	-	-	7,840	5,400	36,533	-	-	-	-
Value of Sales	1,493,219	7,416	-	15,600	170,462	190,851	1,108,890	-	-	-	-

Establishments which sell from (in colones);

Trade Category	Total	Establishments which sell from (in colones);									
		1,000 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,000 to 100,000	100,001 to 500,000	500,001 to 1,000,000	1,000,001 to 5,000,000	5,000,001 to 10,000,000	10,000,001 or More
613-02											
Milk and Dairy Products											
No. of Establishments	29	3	4	9	7	1	5	-	-	-	-
No. of Employees	62	6	5	12	11	1	27	-	-	-	-
Wages Paid	65,647	-	1,087	4,720	1,580	-	58,260	-	-	-	-
Value of Sales	1,706,789	7,020	30,087	143,238	231,015	60,000	1,235,429	-	-	-	-
613-03											
Fruits and Vegetables											
No. of Establishments	12	2	-	5	2	2	1	-	-	-	-
No. of Employees	33	2	-	12	3	14	2	-	-	-	-
Wages Paid	11,215	-	-	5,040	-	5,425	750	-	-	-	-
Value of Sales	478,120	6,300	-	76,677	62,500	116,643	216,000	-	-	-	-
613-04											
Bread and Baked Goods											
No. of Establishments	18	-	1	2	3	7	3	1	1	-	-
No. of Employees	157	-	2	5	6	23	30	52	39	-	-
Wages Paid	296,632	-	-	-	3,226	15,307	45,166	166,805	66,128	-	-
Value of Sales	3,281,742	-	6,120	39,000	81,440	462,725	744,803	766,625	1,181,029	-	-

Trade Category	Total	Establishments which sell from (in colones):									
		1,000 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 to 500,000	500,001 to 1,000,000	1,000,001 to 5,000,000	5,000,001 to 10,000,000	10,000,001 or More
613-05 Grain											
No. of Establishments	99	5	4	23	22	19	23	2	1	-	-
No. of Employees	255	16	10	45	46	54	63	18	3	-	-
Wages Paid	78,488	360	2,160	4,920	3,135	11,945	50,241	5,727	-	-	-
Value of Sales	9,573,503	16,584	31,220	399,982	807,000	1,391,605	4,403,052	1,429,060	1,095,000	-	-
613-06 Groceries and Candy Stores											
No. of Establishments	24	-	2	5	3	3	7	-	4	-	-
No. of Employees	207	-	3	6	9	8	31	-	150	-	-
Wages Paid	460,196	-	300	250	500	3,421	26,661	-	429,064	-	-
Value of Sales	13,339,921	-	12,840	91,021	124,153	216,893	1,159,292	-	11,735,722	-	-
613-07 Poultry and Poultry Products											
No. of Establishments	24	2	6	9	3	2	2	-	-	-	-
No. of Employees	63	3	12	14	5	9	20	-	-	-	-
Wages Paid	33,487	-	2,145	6,316	2,640	10,766	11,620	-	-	-	-
Value of Sales	760,954	3,950	50,500	174,299	113,621	119,743	298,841	-	-	-	-

Trade Category	Total	Establishments which sell from (in colones):									
		1,000 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 to 500,000	500,001 to 1,000,000	1,000,001 to 5,000,000	5,000,001 to 10,000,000	10,000,001 or More
613-08											
Food Stores, General Stores, and other Establishments where a variety of Food Stuffs are sold.											
No. of Establishments	158	2	4	40	39	37	30	5	1	-	-
No. of Employees	528	3	8	85	97	120	146	59	10	-	-
Wages Paid	243,140	-	-	5,604	18,259	48,096	92,111	69,224	9,846	-	-
Value of Sales	15,059,149	6,220	32,235	701,400	1,306,744	2,727,071	5,212,612	3,685,171	1,386,696	-	-
613-09											
Other Miscellaneous Dealers in Food Stuffs											
No. of Establishments	34	4	3	3	3	7	3	4	6	-	1
No. of Employees	322	6	5	8	5	31	21	50	185	-	11
Wages Paid	988,949	600	2,250	6,816	2,160	52,542	40,508	120,604	710,189	-	53,280
Value of Sales	37,458,780	12,935	21,361	48,027	109,861	490,472	719,453	2,840,673	15,580,996	-	1735,002

Source: Dirección General de Estadística y Censos Tercer Censo de Comercio y Servicios, 1961 p. 84-103

TABLE V

Food Wholesale Firms in El Salvador

Financial Strength

Over ¢1,500,000

Distributors - Wholesale Groceries

Nasser and Co.

Henriques and Co. M.C.

Mixed Trade - Wholesale Groceries

Batarse e Hijos and Co., Pedro I

Moreno and Cia

Olivella, S.A., Felix

Veciana Hnos

Vidri Ponades and Cia

Financial Strength

¢750,000 to ¢1,500,000

Distributors - Wholesale Groceries

Compania Distribuidora, S.A.

Financial Strength

¢250,000 to ¢750,000

Mixed Trade - Wholesale Groceries

Chavez and Co. Jesus

Orellana Navarrete, Francisco

Hernandez Olimpia

Moore Commercial S.A.

Financial Strength

¢100,000 to ¢250,000

Distributors - Wholesale Groceries

Castro, Raul

Melgar, Humberto R.

Mixed Trade - Wholesale Groceries

Chavez Hijo, Jesus

Martinex de Fodor Carmen

Melara, Luis

Quan Hijo, Calixto

Quan Sham, Arturo

Van Vonderen, John H.

Vidri Duch and Co.

Financial Strength

¢40,000 to ¢100,000

Distributors - Wholesale Groceries

Martinez de Hernandez Olimpia

Financial Strength

¢12,500 to ¢40,000

Mixed Trade - Wholesale Groceries

Roma Moreno F.

Promociones Industriales y Comerciales PRINCO

Financial Strength

¢ Below ¢12,500 and Unclassified

Distributors - Wholesale Groceries

Arroyo Q. Jose Antonio

Mixed Trade - Wholesale Groceries

Bonnet E. Hijos, Antonio

Negocios en Cadena