ISLAMIC REPUBLIC OF MAURITANIA

Honor — Fraternity — Justice

Ministry of Economy and Finance

Directorate of Studies and Programming

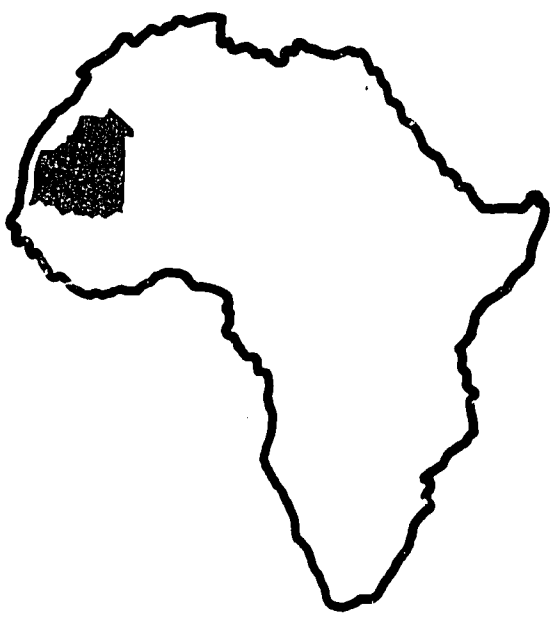
RAMS PROJECT

Rural Assessment and Manpower Surveys

Framework for Calculating Rural GDP from Basic Production Data

OP-3

June 1981



Financed by the U.S. Agency for International Development (USAID)

With the cooperation of:

Checchi and Company, Washington, D.C. 20036
Louis Berger International, Inc., East Orange, New Jersey 07019
Action Programs International, Santa Monica, California 90406

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1. Summary

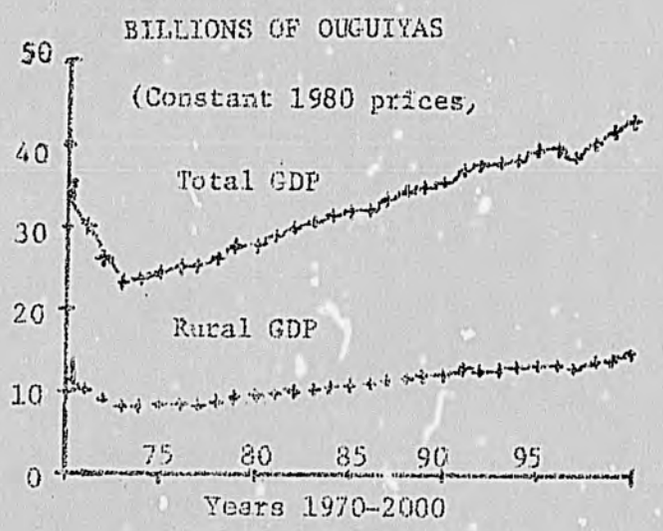
The objective of this study is to produce twenty-year baseline projections of Mauritanian rural sector gross domestic product (GDP) using three rainfall scenarios without new project options. Further, it is required that the projections be supported by commodity sector data and analysis using input-output techniques so organized as to provide a methodology describing the process involved.

Chapter 2 discusses population, rainfall, rural production and related foreign trade. The time series data and quantity projections prepared in conjunction with Chapter 2 are located in Section 2.1 and 2.2 of the Statistical Annex.

Chapter 3 considers the food-calories in rural food production and foreign trade volumes and measures the results against independently determined nutritional estimates for Mauritania. In addition to tracing the links between production, imports and people's needs, the procedure tests the base data for gaps and double counting before the analysis is continued. As carried out, the test revealed no problems of this kind. The data tables supporting this chapter can be found in statistical Section 3.

Chapter 4 introduces the input-output transaction table in which base data is organized and commodity flow patterns identified for subsequent calculations. The matrix arrangement aligns industry outputs in rows and then considers the same figures as they appear in columns as inputs, i.e. a valuable form of double-entry bookkeeping, in which sales by one industry are by their very nature purchases by another. The data for this chapter is in the annex, Sections 4 and 5.

Chapter 5 brings it all together in a series of GDP projections for the rural sector and the total economy as presented for the average rainfall case below.



GDP PROJECTIONS

The above trend lines indicate the general pattern of GDP - Baseline forecasts. Statistical tables of GDP projections have been calculated for three rainfall scenarios A, B, C. The annual GDP rate of change within 5-year periods for each scenario are as follows:

GDP - Baseline Projections

% Annual GDP Rate of Change

Scenario	1981-2000	81-85	86-90	91-95	96-2000
A	1.9	2.3	2.4	1.7	1.9
B	2.0	1.5	1.9	2.3	2.3
C	2.2	3.2	3.0	1.2	1.6

The rural sector accounts for 34.3 percent of GDP in the above projections, and of this proportion about nine-tenths is in the food producing sectc . The average annual economic growth in real terms of about 2.0 percent is less than the annual 2.4 % growth in population.1/ When food in terms of calories is considered, however, the results are more favorable with an average production increase of 2.67 percent as shown below.

Food Calorie Projection

% Annual Calorie Rate of Change

	1981-2000	81-85	86-90	91-95	96-2000
Food Production Scenario					
A	2.6	3.6	3.0	2.0	3.2
B	2.9	2.4	2.7	3.5	3.3
C	3.1	4.9	3.8	1.5	2.2
Net Food Imports Scenario					
A	3.0	1.8	2.7	3.2	2.6
B	2.8	2.7	2.9	2.9	2.5
C	2.6	1.6	2.1	3.9	3.3

Here we see food calories increasing more rapidly than population (2.4%). This is partially due to price controls on agricultural products and imports, which however favorable to final consumers and the urban sector are a disincentive to the producers and rural development.

In addition, there are two principal forces directly working to cause the difference in growth rates between GDP and calories. One is technical in nature and the other has to do with value added ratios. The calorie content is higher in those rural commodities where production is increasing (rice, for example) and lower where production is stagnant (livestock). This increases the growth rate for calories. On the other hand, the value added ratios for rice and such are lower (7%) per unit of weight than for livestock where the ratio is quite high (9%). This difference coupled with the relative changes in production acts to depress the GDP rate of growth.

1/ RAMS population projections are actually based on a 2.5% growth rate.

Food Imports

The economic implications of persisting food imports on foreign exchange deficits are illustrated below. This is a partial example in that it does not include national debt service or other non-trade transactions. The figures used are from the 1978 input-output tables in billions of ouguiyas.

Sectors	GDP	Net Foreign Trade	Comment
Rural	9.1	(2.9)	deficit
Others	17.4	1.8	surplus
Total	26.5	(1.1)	deficit

As stated above, the total deficit is considerably larger and only by completely closing the food gap can a balance be achieved without improving the net foreign exchange earnings of the other sectors.

Rural Sub-sectors

The GDP generated in rural sub-sector projections is here examined according to the percentage composition as it varies under the three rainfall scenarios. Average calories in the sub-sector production is included for comparative purposes. The results are illustrated in the exhibit on the next page.

The difference in growth rates between GDP and calories discussed above may be more clearly visualized by referring to the exhibit. The relative decline in livestock as a proportion of rural GDP is very noticeable as compared with most other sub-sectors. The artisanal sub-sector also tends to decline because of its heavy dependence on livestock for hair/wool and hides/skins as raw materials for artisanal production.

The stagnation in livestock production (off-take) is a serious drag on rural development and the GDP generated by other sub-sectors. The development efforts in the rural sector appear to be unbalanced in that range and livestock projects are not keeping pace with other efforts. Underlying this problem is the need for greatly improving water management to maximize the uses of water toward the livestock mix that produces the greatest off-take per unit of water available.

Percentage Composition
Rural Sector GDP Projections

Rural Sub-sectors	Average Calories per 100 g.	Yearly Periods 1981-85	86-90	91-95	96-2000
Scenario A					
Rural GDP (billions of UMs)		10.51	11.72	13.07	13.98
			Percent		
Cereals	348	4.9	5.6	6.6	7.9
Other crops	140	13.5	14.5	15.4	16.5
Livestock	97	59.6	56.6	53.5	49.6
Poultry	156	4.1	4.1	4.2	4.4
Fishing	67	4.4	4.7	4.9	5.3
Forestry	n.a.	5.2	5.5	5.8	6.3
Milling	354	1.7	2.1	2.8	3.7
Fish processing	121	1.7	1.9	2.0	2.3
Artisanal	n.a.	4.9	5.0	4.8	4.1
Scenario B					
Rural GDP (billions of UMs)		10.36	11.05	12.24	14.03
			Percent		
Cereals		4.8	5.4	6.9	9.1
Other crops		13.6	15.3	16.9	18.2
Livestock		59.7	55.6	51.7	47.9
Poultry		4.0	4.2	4.1	4.0
Fishing		4.3	4.7	4.8	4.6
Forestry		5.3	5.8	6.2	6.3
Milling		1.7	2.4	2.9	3.8
Fish processing		1.7	1.9	2.1	2.1
Artisanal		4.9	4.7	4.4	4.0
Scenario C					
Rural GDP (billions of UMs)		10.51	12.29	13.97	14.55
			Percent		
Cereals		4.7	5.9	6.8	7.7
Other crops		13.1	13.2	13.9	14.7
Livestock		60.2	57.7	54.8	51.0
Poultry		4.1	4.1	4.2	4.6
Fishing		4.4	4.7	5.0	5.8
Forestry		5.2	5.3	5.4	6.1
Milling		1.7	2.0	2.6	3.5
Fish processing		1.7	1.8	2.0	2.3
Artisanal		4.9	5.3	5.3	4.3

Narrative

Section 1.0

This Section constitutes the narrative portion of the Option Paper on "Framework for Calculating Rural GDP from Basic Production Data", and is followed by a Statistical Annex. It consists of five chapters, the first a summary; the second on population rainfall; rural production and related foreign trade; the third on nutritional estimates, linking production, imports and food requirements; the fourth on the input-output model; and the fifth on GDP projections for the rural sector.

ICOR

The incremental capital (input) to output (value added) ratio (ICOR) has been calculated from the input-output tables and when related to rural sub-sector GDP composition indicates the scale of capital investment called for Mauritanian rural development. The composition figures used are from the 1986-1990 period in Scenario A.

Sub-sector	GDP % Composition	ICOR Values
Cereals	5.6	5.8
Other crops	14.5	4.7
Livestock	56.6	14.7
Poultry	4.1	3.7
Fishing	4.7	9.8
Forestry	5.5	42.2
Milling	2.1	14.0
Fish Processing	1.9	1.7
Artisanal	5.0	3.7

Note that the ICOR values are historical benchmarks upon which well designed projects may well reduce required capital inputs. Nevertheless, the figures underscore the capital problem in increasing livestock off-take. Increasing fishing production faces a similar problem. The high milling demand for capital is due in part to the small scale of milling operations, which have been considered as a temporary response to the serious drought in the 1970's. This need, however, appears to have become a permanent feature as cereal imports are expected to increase with the passing of time. And finally, the capital problems facing forestry and renewable energy development are formidable indeed, which actually should be no surprise because of the long lead times involved.

The following chapters and tables provide the background for this summary.

2. Rural Sector Production and Trade

A. Introduction

Past variations in Mauritanian agriculture and livestock production do not encourage projections based on direct regression techniques. Some experts recommend models using rainfall as a principal variable. Review of rainfall data sustains their position. It clearly shows the high frequency with which rainfall drops below minimum levels needed for sustained crop and livestock production. Other specialists claim that rainfall modeling is an un-necessary complication.

Attempts to make projections without the rainfall variable or with the proposed linear rainfall models using historical data produced results with rather obvious discrepancies. Field observations verified the need for a non-linear model that would differentiate two natural phenomena, (1) the biomass front or threshold that moves north or south depending on rainfall patterns and (2) the degradation threshold of biomass with lack of rainfall, which is more rapid than is recovery as rainfall increases. Such a model was tested and calibrated independently for each breed of livestock and variety of crops produced before making the necessary quantity projections. The model was not applied to any of the irrigated crops.

The base data used in the above exercise covers the period 1967-1979 and is presented in the statistical section of this study along with related imports and exports. Most of this data set is made up of food commodities and was tested for completeness in Chapter III (Food Balance) by converting quantities to kilo-calories, and comparing the results with nutritional data on the basis k - cal per day per person. The comparison proved to be satisfactory for the base period so the food-balance approach was extended to quantity projections in order to estimate the future need for food imports. Thus, the base period plus projected period to the year 2000 constitutes a baseline food condition for Mauritania. Non-food commodities produced in the rural sector are included in the overall data set.

Producer prices are applied to the above quantity data in Chapter IV - Analysis of Gross Domestic Product (GDP).

B. Data Table Organization

The statistical tables pertinent to this chapter are organized under four principal headings:

National population.
Rainfall.
Rural production
Foreign trade in food commodities

Each category includes data for the base period 1967-1979 and projection for the period 1980-2000.

Thirty-four rural commodities were considered in the study. They are listed in Exhibit A. The general analytical process and flow applicable to the data is illustrated in Exhibit B. It is designed to provide a reasonably detailed analysis of value added by commodities produced in the rural sector and by adding other sector data derived from national accounts to arrive at projections of GDP, the ultimate purpose of this study.

C. Population

The present, mid-year 1980, resident population in Mauritania is 1,488,300 persons, of which approximately one-half lead rural sedentary lives while the remaining are about equally divided among urban residents and nomads through these classifications lend a certain precision to each group. Mauritanians are actually a very mobile people for historical and occupational reasons and the number in each group undoubtedly fluctuates rather widely both on a seasonal and yearly basis.

In this first part of the analysis the total number of people by years is mainly used for calculating quantities and values per person as needed on other categories of information.

The distribution of the rural population over the land area of Mauritania shows interesting patterns as illustrated in Exhibit C. Some 80% of the rural people in 1977 occupied 20% of the land with an average density of 3.0 persons per square kilometers, while the rest of the land had a population density of only 0.25 persons/km^2.

The distribution between rural sedentary people and nomads is also of interest. In the low rainfall zones up to 250 mm of rainfall, the sedentary and nomad population are roughly equal. In higher rainfall zones (250-450 mm) the ratio is about 3.6 sedentary to one nomad. This is explained by the lack of land (6% per table below) needed by the livestock for grazing and browsing.

Exhibit A

Mauritania RAMS Baseline Production Elements

- Agriculture
  - Cereals
    - Wheat
    - Barley
    - Maize
    - Rice
    - Millet/Sorghum
  - Vegetables and Fruits
    - Vegetables
    - Mellons and seeds
    - Fruits
    - Dates
  - Pulses
    - Cow peas
    - Other
  - Root Crops
    - White Potatoes
    - Sweet Potatoes
    - Yams
  - Groundnuts
- Livestock
  - Cattle
  - Sheep
  - Goats
  - Camels
  - Poultry
- Livestock Products
  - Meat
  - Milk, Butter and Cheese
  - Eggs
  - Hair
  - Skins and hides
- Fisheries
  - River Fish
  - Ocean Fish
  - Miscellaneous
  - Meal
  - Oils
- Forestry
  - Firewood
  - Charcoal
  - Timber
  - Gum Arabic

Exhibit B

Mauritania : RAMS Sector Analytical Data Flow and Calculations

A. Quantity Food Balance

Domestic Production	+	Imports	=	Exports	+	Stocks	+	Consumption	Test of Food Balance K-cal/person/day
Metric tons	+	MT	=	MT	+	MT	+	MT	
K-calories	+	K-cal	=	K-cal	+	K-cal	+	K-cal	K-cal

B. Production Output Values

Production Sectors Description	Quantity	Price	Value
Agriculture	XXX	XXX	XXXX
Livestock	XXX	XXX	XXXX
Dairy & Poultry	XXX	XXX	XXXX
Fisheries	XXX	XXX	XXXX
Forestry	XXX	XXX	XXXX

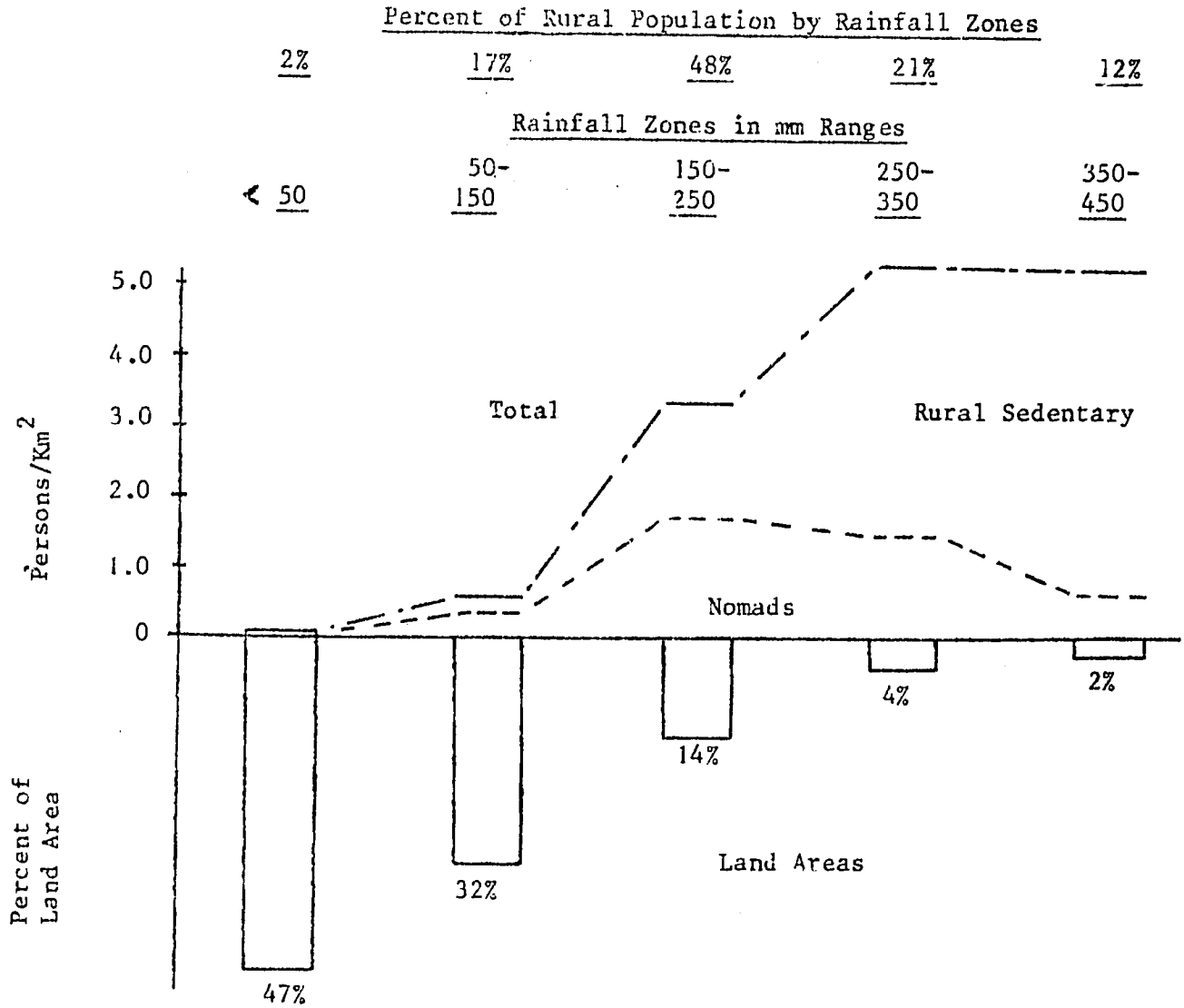
Processing Sectors Description	Quantity	Price	Value
Milling	XXX	XXX	XXXX
Butchering	XXX	XXX	XXXX
Preserving	XXX	XXX	XXXX
Freezing	XXX	XXX	XXXX
Canning	XXX	XXX	XXXX
Textiles	XXX	XXX	XXXX
Leather (Tanning)	XXX	XXX	XXXX
Charcoal	XXX	XXX	XXXX

C. Gross Domestic Product (GDP)

Production Output Values	Processing Output Values
Less:	Less:
Inter-industry Input Values	Inter-industry Input Values
Non-comparable Import Values	Non-comparable Import Values
Equals	Equals
Value Added (GDP)	Value Added (GDP)

Exhibit C

Mauritania: Distribution of Rural Population (1977)



Rainfall Avg. 1976 - 1978 mm	Land Area, Km^2	Rural, 1977 Seden.	Rural, 1977 Nomad	Persons/Km^2 Seden.	Persons/Km^2 Nomad
		(in thousands)			
350 - 450	24.7	113.5	15.7	4.61	.64
250 - 350	40.4	154.4	58.8	3.82	1.47
150 - 250	148.4	244.0	248.2	1.64	1.67
50 - 150	328.5	69.4	106.6	.21	.32
< - 50	488.4	9.7	14.7	.02	.03
Total	1,030.4	591.0	444.0		

D. Rainfall

It is hard to over estimate the critical importance of rainfall to Mauritanian agriculture and livestock production, if only because of its scarcity and irregularity, as it affects economic imbalances and the needs of the people. It touches every aspect of their lives in nutrition, health, shelter, energy and employment. As already mentioned, rainfall is more of a determinant to agriculture and livestock growth in production than its capital investments, the impact of which may often be cancelled by several years of poor erratic rainfall.

Rainfall Model

The first step undertaken to design a working model was to compile annual rainfall data gathered at 26 weather stations and extending in eight cases back to 1922. Other stations have data for shorter periods. The importance of such data is now being recognized in Mauritania and at present the number of stations has been expanded to 64 in total.

The second step was to sum the eight station's data year by year. These stations are located across the principal agricultural and livestock regions in the southern one-third of the country. Range and crop production are influenced by current year rainfall as well as by rainfall over the previous two years on a weight basis of 40 -40 - 20 percent, respectively (FAO method). The eight station's data were weighted accordingly had then reduced to yearly index figures showing the annual percentage change from year to year.

The third step was to select from this lengthy list of rainfall data three sets of 20 years of "scenarios" for use in forecasting alternative production results. The problem here is that rainfall patterns are unpredictable and regression trends through the available rainfall data have no particular validity. That is to say, all past pattern sequence can be equally true and the selection process is, therefore, quite arbitrary. Consequently, the periods chosen are: Scenario A, 1927 - 1945; Scenario B, 1937 - 1955; and Scenario C, 1947 - 1965.

The fourth step was one of testing the "rainfall model"on the available production data with the rainfall during the baseline period 1967 - 1979. The different reactions of agriculture and livestock to rainfall necessitated the development to two versions of the model. The livestock version is the more complex because of the reproduction factors in animal life as compared with vegetal growth.

Livestock Model Version

The increase or decrease in livestock herds and flocks is the net result of "gross production" and "off-take". Off-take is the number of animals domestically slaughtered plus live animal exports. The number slaughtered is a function of population demand for food modified by the size of herd of flocks and a need for supplementary pasturage available in neighboring countries where a significant number of herd are annually moved. A portion return to Mauritania but others remain as exports in exchange for cereal foods and other goods.

The rainfall model, of course, directly applies to gross herd production, which is the difference between live calves, and kids produced less animal losses for which emperical coefficients are reported in the pertinent technical studies. The effect of rainfall modifies these coefficients in the iterative running of the model. The general expression of this model is as follows:

Where : P = gross production for the given year.

H_1 = ending herd size from the previous year.

F = the coefficient for female in the herd of calf bearing age.

C = the coefficient of living calves relative to the above females.

R_1 = the rainfall index for the given year.

R_2 = the rainfall index for the previous year.

K = a constant added to the rainfall ratio and specific to the breed of animal: cattle, sheep, goats and camels.

O = off-take.

H_2 = ending herd size for the given year.

$$P = H_1 \ (F \times C \times (1 + \log R_1/R_2 + k)^2 \ + (\log R_1/R_2 + k)$$

The first part of the expression calculates the natural factor of herd increases, while the second part calculates the loss factor. Together these factors, when multiplied by the herd size, give gross production.

The expression for the ending herd size for the given year, which is then used in the next year iteration is:

$$H_2 = H_1 + P - O$$

That is the previous herd plus gross production, which in some years of serious drought may actually be a negative number, minus off-take equals the ending herd for the given year. Applied results were critically reviewed and accepted by the livestock specialist. Final estimates are given in the statistical tables.

Agricultural Model Version

The measure of agricultural production is the quantity harvested. For purposes of analysis, however, it is necessary to know the hectares over which the harvest was collected in order to arrive at the yield per hectare, which, as technical improvements are made in seeds and husbandry, will increase over time. More specifically, the hectarage planted for a given crop should also be known to arrive at the difference between hectares planted and harvested. This difference responds in part to rainfall as does the yield in any given year. The rainfall index ratio and coefficient when applied to the hectares and/or yields constitutes the agriculture model version.

Data on hectares planted are at present quite incomplete and generally unrecorded so that the working model is based on hectares harvested, yields and an expression for the rainfall coefficient.

Where: P = production

H = hectares planted

Y = yields kg/ha.

R_1 = rainfall for present year.

R = rainfall for previous year.

K = constant relating to kind of crop being considered.

$$P = H \times Y \times (1 + \log R_1/R + k)$$

In the case of paddy rice, the equation is not used because the needed water is supplied by irrigation and not directly by rainfall.

This model was applied to each agricultural crop and year as appropriate. They yearly projections and results in the tables were made by iterative runs of the model equation. The forecast calculations were carried out under the three rainfall scenarios in the same manner.

E. Production

The production tables are divided into four principal categories:

Agriculture (crops)
Livestock
Fishing
Forestry

The sub-categories are set fourth in Exhibit A at the beginning of this chapter. The detail in each sub-category includes those elements required to specify inter-industry outputs in Chapter IV.

The detailed production data are also organized to give the food component and its equivalent calorie content, which bridges production to human needs through the food balance analysis discussed in the next section.

Agriculture

An example of detailed agricultural headings is as follows, using millet/sorghum row headings.

Production
Hectares
Seed
Feed- an input to the livestock sector
Waste
Food
K-calories

The seed, feed, waste and food quantities, when added together, must equal production quantities, and the production to hectare ratio gives the average yield figure. Consistently used throughout the data compilation, the average yield figure supplies the internal consistency needed in this statistical approach.

Livestock

The approach to livestock production is somewhat different than that for agriculture, though the principles involved are similar so as to maintain consistency of results and subsequent analytical use.

Livestock in Mauritania as elsewhere depends on pasture for food, growth and reproduction. The effectiveness of pasture areas is determined by rainfall and the resulting growth of grasses for the grazing animals such as cattle and sheep, and the growth of other grasses and leaf shrubs for browsing animals such as goats and camels.

The ability of pasturage to carry or support livestock is measured in UBT's (Unite de Betail Tropicale), which differs for various breeds of animals but has the advantage of allowing these various demands to be additive. In Mauritania with its limited rainfall, it is assumed the number of livestock animals increase and decrease in proportion to the UBT's of the pasturage or range. Because such measures of carrying capacity are so difficult to determine for open and extensive range lands, the rainfall coefficient has been applied to the herd numbers to arrive at gross production for subsequent off-take estimates, which are the important production figures for GDP calculations.

It is also important to note the underlying situation relative to livestock exports. The existing national boundaries in West Africa, and Mauritania in particular, divide the livestock rangelands and surplus production from their best markets and from areas where cereal food supplies are produced at lower unit cost. Interruptions to this natural trade system, for whatever reason, work to reduce "economic advantages" as well as the incomes they produce to help satisfy human needs.

Fishing. The domestic fishing catch/production has increased very slowly over the years 1967 - 1979, except the years 1970 - 71 which involved a change in reporting by foreign fishing vessels which are now classified as imports. In general, the production is divided according to river catch and ocean catch, which may be further divided into near shore and deep sea fishing. The latter involves the foreign fishing vessels.

Projecting really major increases of fishing production is questionable for two reasons. One, the nature and high foreign exchange cost of expanding deep sea fishing and, two the problems of disproportionate cost involved in expanding fish distribution into areas of increasing distance from coastal fishing ports.

Deep sea fishing today requires highly sophisticated factory-ships and skilled personnel. Neither is available in Mauritania. Also high income markets are needed with a willingness to pay the high unit price (in foreign exchange) needed to amortize such fishing operations. Fresh fish require extremely efficient distribution systems geared to 24 - 48 hour time periods plus refrigeration on the trucks and in the shops which, in turn, require extensive and high speed road networks. This equipment and infrastructure is not available in Mauritania and will be costly to acquire. In addition, consumers have learned to distrust iced or chilled fish, as this indicates the fish have been around too long. In any case, interior Mauritanian incomes are too low to support the cost of delivered fish on an expanding basis. Dried fish with its longer "shelf life" and lower cost of transport is an alternative but consumer preferences are against dried fish becoming a major element in Mauritania diets.

Expression of these relationships and trade-offs in the form of economic equations may help to clarify the complexities of the fishing sector. The basic premise is that revenues must equal costs, which include the needed surplus or profit for continuing operations, i.e., $R - C = 0$

This relationship means in the first instance that the quantity of fish consumed domestical (Q_d) plus fish exports (Q_e) is equal to the total fishing catch (Q_t) or $Q_t = Q_d + Q_e$. Introducing domestic unit prices (P_d) and export unit prices (P_e) yields the value expression $R = Qd \times Pd + Qe \times Pe$. Too often analysis of the fishing sector stops at this point, but actually costs are the real determinant, as indicated above.

The cost elements are composed of fishing operations and distribution costs, which are sub-divided according to domestic and export proportions. Thus, four fish volumes are identified: one, for fishing expenses of a purely domestic nature (V1); another for distribution expenses of purely domestic nature (V2); a third for foreign exchange costs involved in fishing (V3); and a fourth for foreign exchange costs in distribution (V4). These volumes, with their attendant cost C_1, C_2, C_3, C_4, respectively, will together equal total costs (C_t) and also equal revenues (R_t) as specified above.

$$R_t = C_t = V_1 C_1 + V_2 C_2 + V_3 C_3 + V_4 C_4$$

Further, as the foreign exchange costs are relatively fixed in the short-term and as the export prices are established by foreign demand and markets, the result is that the export value (Qe Pe) must on average equal foreign exchange costs ($V_3 P_3 + V_4 P_4$). The variables in the system thus tend to be loaded on the domestic market where the average incomes and propensity to eat fish are both low.

The price elasticity for fish is generally reported to be high so low prices are needed to increase consumption. But, as deep sea investments and cost are high and distribution cost will rise as efforts are made to increase the domestic market size, the prospects for increasing fish consumption per capita in Mauritania will in all probability advance rather slowly.

Forestry Sector. In order to present a fair position regarding forest production the supply side will be examined first. To do so, the existing conditions must be defined.

Exclusive forest areas are a rarity in Mauritania. A more useful approach in estimating production is to first consider pasture, brush and wood land in combination with the density of trees shading off into brush and then open pasture. The opposite point of view is equally valid with pasture shading into greater density of trees.

In any case, the important factor in supply is the annual vegetal growth over the combined area. This growth will hereafter be referred to as "dry matter" whether it is in grass, brush or trees. Allocation to uses or "removals" will then be made as they are quantified. A rainfall scale will be applied to growth rates available from various sources in and out of Mauritania.

Land Area (000 Ha)[1)]

	1968	1973	1978
Total area	103,070	103,070	103,070
Land area	103,040	103,040	104,040
Crop land	273	183	195
Pasture	39,250	39,250	39,250
Wood land	15,134	15,134	15,134
Other land	48,383	48,473	48,461

The above areas compare very well with those in Exhibit C, which were developed independently on the basis of rainfall isohyets and department boundaries and areas.

Rainfall Zones, mm	Area	Land Areas 1000 km^2 FAO Data	Exhibit C
200 - 450	Woodlands	151	148
50 - 200	Pasture	392	329
50	Other lands	484	483

The above relationships to rainfall, when applied to dry-matter growth rates, provide sound estimates of the annual supply quantities of vegetal growth on a dry-matter basis.

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1) FAO, "Production Yearbook - 1979 "UN, Rome, 15 May 1980, p.46.

Annual Supply of Vegetal Growth

The annual vegetal growth, not including agriculture, on a dry-matter basis is between 0.5, 4.0 and 6.0 kg. per hectare in the Sahel depending on the amount of rainfall.[1] The weight of dry-matter in Mauritania is about 400 kg. per cubic meter. The relationship to rainfall is estimate as follows:

Rainfall mm	Dry-matter kg/ha.
50	40
150	200
350	1,600
450	2,400

Scaling this information to rainfall zones by curve-fitting and using exponential functions this set of relationships can be applied to comparable Mauritanian areas in order to estimate annual growth.

1976 - 1978 Rainfall Zones, mm	Dry-matter Production Kg/ha.	Land Area by Zones Km^2,000	Dry-matter Production MT,000
<50	40*	488.0	976
50 - 100	70*	251.5	1,408
100 - 150	115	77.5	891
150 - 200	190	78.3	1,488
200 - 250	320	70.1	2,243
250 - 300	540	25.7	1,388
300 - 350	900	14.7	1,323
350 - 400	1,500	18.0	2,700
400 - 450	2,420	6.6	1,597
Total		1,030.4	14,014

* This production is spread so thinly over vast areas that an estimated 50% and 20%, respectively, is judged to be beyond utilization.

---

1) FRIDA, "Domestic Energy in Sub-Sahara Africa", December 1980. pp. 45 - 46.

Of the 14 million metric tons of total dry matter growth, it is estimated that about 10.6 million tons are of grasses available for livestock grazing and browsing. Fifty percent of this amount is consumed and the other half is left on the pasture and dies at the end of each season, a normal biological process.

The remaining 2.7 million tons is in shrubs and trees from which removals will be made as reeds, leaves, green and dead wood for: cooking fires, charcoal, timber poles, habitats, fencing, mats, and undoubtedly for other minor uses. The estimate for these items is approximately 730,000 MT for 1980 and is expected to reach 1.5 million metric tons by the year 2000. The residual portion includes losses due to sand dune damage and decomposition and return to the soil. In summary, the disposition of the above supply is:

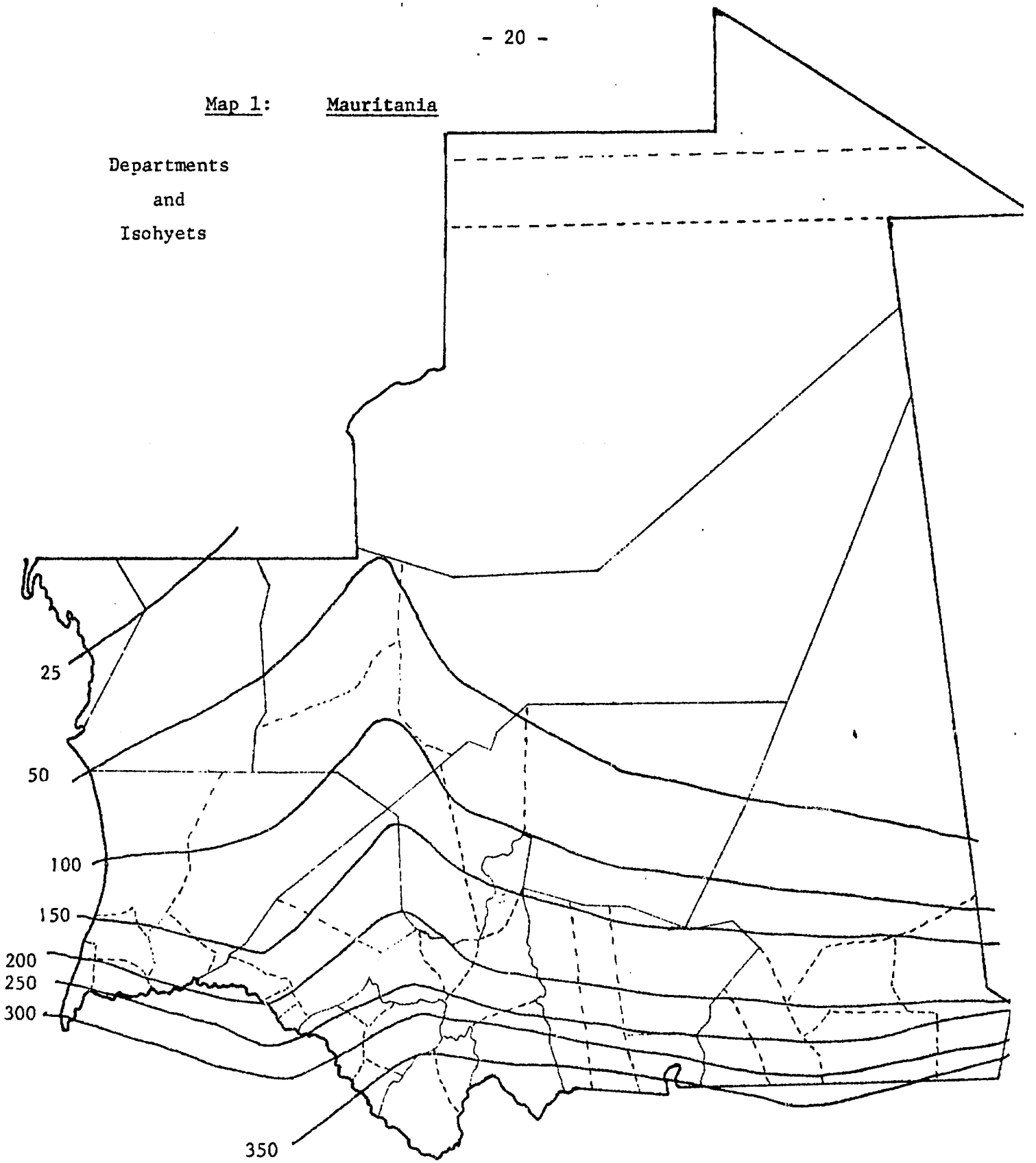
Livestock	10,592,000	MT
Wood material	730,000	"
Decomposition and losses	2,692,000	"
Supply	14,014,000	MT

Unfortunately the proportion of shrubs and trees is unknown. However, it is possible to compare gross supply to populations in rainfall zones as follows:

Rainfall Zones	Gross Supply/Person	Comment
1 - 50	13	This supply appears large because is is thinly spread over vast areas and the population is small.
2 50 - 100	21	
3 100 - 150	3	Areas of range and scattered trees.
4 150 - 200	5	
5 200 - 250	9	
6 250 - 300	9	
7 300 - 350	17	
8 350 - 400	36	Much of this supply is in protected forests and availability is limited.
9 400 - 450	27	

Map 1: Mauritania

Departments
and
Isohyets



Note: The actual map was computer divided into areas between isohyets of 25 mm. Each Department was evaluated accordingly to arrive at the average rainfall for the period 1976-1978. See larger maps for Department Identification.

Table 1

Mauritania: Rainfall Zones 1976 - 1978

1. The period 1976-78 average is used because this is the latest period for which data is available for the number of weather stations to run the calculations.

2. Tabulation of information needed in Exhibits and data shown texts.

Rinfall Zone mm	Department Department Department	Indicated average rainfall mm over area	Area km^2	Sedentary	Nomad	Urban
				(- - - in hundreds	- -)	
>400	Selibabi	440	66	479	60	60
350-400	Ould Yenge	375	37	202	31	0
	Magama	370	26	251	0	0
	Kankossa	355	117	203	66	0
300-350	M"Bout	320	52	415	69	0
	Kabonni	310	95	170	113	0
250-300	Kaedi	275	40	299	48	207
	Barnewoll	260	67	226	91	0
	Djigueni	260	39	145	79	0
	Monguel	260	18	158	47	0
	Amourj	255	93	131	141	0
200-250	Timbedra	240	91	89	161	53
	Tamchakett	240	146	71	286	0
	Gerou	240	28	108	56	0
	Kiffa	240	109	139	175	103
	M"Bagne	230	6	208	10	0
	Tintane	230	114	157	112	0
	Rosso	225	14	139	61	165
	Keur Massene	225	28	88	128	0
	Bassikounou	215	165	62	118	0
150-200	Bababe	195	9	152	17	0
	Boghe	185	16	220	59	78
	Aioun el Atrouss	175	17[illegible]	119	129	85
	Nema	175	99	122	224	79
	Boumdeid	160	45	79	46	0
	Moudjeria	160	118	35	233	0
	R"Kiz	160	77	262	202	0
	Aleg	155	163	157	218	53
	Mederdra	155	77	183	247	0

100-150	Tidjikja	125	152	147	150	79
	Magta Lahjar	125	136	139	202	0
	Boutilimit	105	288	150	335	73
	Oued Naga	105	198	39	88	0
	Nouakchott	100	1	0	0	1347
50-100	Aoujft	90	254	84	68	0
	Tichitt	75	682	14	42	0
	Oualata	65	1340	29	134	0
	Atar	60	239	92	47	162
<50	Chinguetti	45	1660	39	62	0
	Adjoujt	40	468	18	78	80
	Bir Maghreim	40	858	17	0	0
	F"Derick	40	1670	7	7	21
	Zouerate	40	1	0	0	174
	Nouadhibou	25	223	16	0	219
	Total		10304	5910	4440	3038

Table 2

Mauritania: Livestock Biomass Demand - 1980

(Dry Matter Basis)

1. UBT (Unite de Betail Tropicale) is a standardized measure relating different kinds of livestock to a common biomass base, which in these calculations is used to relate biomass to livestock demand for grass, leaves, shrubs, etc. in the following proportions.

Item	UBT Conversion Factor	Daily Biomass Demand Kg/head
Camels	1.00	8.35
Cattle	.75	6.25
Horses and Asses	.50	4.15
Sheep	.15	1.25
Goats	.15	1.25

2. Gross Biomass Demand

Item	No. of head 000	No. of Days	Daily Biomass Demand Kg/head	Annual Biomass Demand MT,000
Mauritanian				
Camels	656	365	8.35	2,000
Cattle	1,060	365	6.25	2,418
Sheep and goats	5,147	365	1.25	2,348
Horses and Asses	202	365	4.15	306
Malian				
Cattle	100	90	6.25	56
Sheep and Goats	200	90	1.25	23
Total				7,151

3. Adjustment for Transhumance and Slaughter*

Transhumance (out of country)				
Camels	68	242	8.35	137
Cattle	630	242	6.25	953
Sheep and Goats	980	242	1.25	296
Slaughter				
Camels	58	182	8.35	88
Cattle	101	182	6.25	115
Sheep and Goats	1,170	182	1.25	266
Total				1,855

4. Net Biomass Demand

Gross Demand	7,151
Less Adjustment	1,855
Total	5,296

5. Biomass on Range 10,592

Notes:

* Days out of country are a deduction from demand.

** Livestock is estimated to consume only one-half of the biomass available. The difference eventually goes back into soil.

Live animal exports are included in transhumance figures.

Human Cooking Needs

RAMS surveys give the following data on consumption of firewood and charcoal for cooking purposes and the requirements of charcoal production in which 200 kg. of charcoal requires one metric ton of wood.

Rural sedentary users	
Population, 1980	685,400
Charcoal	53 kg/person/yr
Firewood	271 kg/person/yr
Nomad users	
Population	412,200
Charcoal	34 kg/person/yr
Firewood	275 kg/person/yr
Urban users	
Population	210,500
Charcoal	138 kg/person/yr
Non-users	
Population, 1980	145,300
Population, 1980 (mid-year)	1,453,400
User Quantities:	
Charcoal, MT	79,390
Firewood, MT	299,100

The user quantity of charcoal needs to be converted at the ratio of 5 to 1,[1] in order to relate wood demand to supply (annual growth).

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1) RAMS study Rural Consumption, 1981, p. 58.

The cooking demand on the wood lands is thus:

Charcoal x 5 requires	396,950	MT of wood
Fire wood	299,100	MT of wood
Total wood equivalent	696,050	MT

Users :	Wood equivalent kg/person/yr
Sedentary	536
Nomads	445
Urban	690
Average for users only	532
Avergae for total population	479

In the year 2000 the equivalent wood demand will have increased as follows:

Population, 2000	2,335,600	No.
Sedentary rural, MT	604,600	
Nomad, MT	163,100	
Urban, MT	580,400	
Total	1,348,100	
Wood in kg/per./yr.	577	kg.

The increase in use of wood equivalent in kg/person/yr from 479, to 577 is due to the faster growth of the urban population, its greater use of charcoal, which requires so much wood to produce.

F. Trade in Related Import and Export

Tables of trade follow those for production in the statistical section. Production plus imports less exports and changes in stock (inventories) equal the net supply of commodities available for domestic use and consumption. This relationship is basic to the determination of food-balances in Chapter 111 and the resulting table in the statistical section. It is equally vital in Chapter IV where the transaction tables are developed for input-output analysis and calculation of GDP. Without trade data these chapters would be inconclusive.

3. Food Balance

Introduction

Food production outputs and related trade quantities in the tables include calculations of kilo-calorie equivalents for human consumption. The K-cal data is summarized separately year-by-year in tables for the various commodities studied. The calculated results were summed for yearly totals and related to people's basic food needs through dividing the net supply by the corresponding population and days in the year. These daily calories per person figures were then reviewed for reasonableness by the nutrition specialists and agreed upon.

The figures were then compared with similar FAO data, which gave uniformly lower values. However, further investigation showed that FAO population estimates had not yet been able to take into account the lower 1977 Mauritanian census results. Adjusting for the differences then brought FAO values into close correspondence with the study figures. This was to be expected because the production and trade data used in the study were derived from FAO printouts for Mauritania.

The conclusion sought for and thus obtained was that important food commodities had not been overlooked. The study data was satisfactorily completes and projections of K-cal to food quantities could proceed.

The flow of work and integration of the steps involved by chapters is illustrated in Exhibit D. Note that the work of Chapters 2 and 3 come together after step 12 and before proceeding with value added and GDP calculations in Chapter 4.

Food - Balances

The volume of food consumed requires a long-term balance or equalizing between consumption and production augmented by imports and reduced by exports on the assumption that food is not wasted in significant quantities. In the short-term the balance is maintained between years by changes in inventories or Δ stocks, either upwards (+) or downwards (-) in accordance with production surplus or deficits and/or variances in needed imports-exports.

This balancing mechanism is illustrated in Exhibits E and F. Exhibit E assumes a year of surplus domestic production that leads to an increase in inventories (+ Δ stocks)

FAO Production Yearbook 1979, Vol.33, FAO Rome, 1980, pp. 62 and 249.

Where: P = production
M = imports
E = exports
C = consumption
Δ S = $\pm$ changes in inventory

The balance is:

$$P + M = E + C + \Delta S.$$

Exhibit F by way of contrast assumes a year of deficit food production and a withdrawal from inventories (-Δstocks). Consumption, imports and exports, on the other hand, are held constant in both cases to more clearly illustrate the effect of changes in production on changes in inventories. In the real world, of course, imports and exports will also vary and introduce additional effects or inventories. Consumption, however, changes independently and in proportion to changes in population year-by-year.

More technically, production and consumption are independent variables while imports, exports and Δ stocks are dependent variables with Δ stocks acting to "fine tune" short-term balances. Without abrogating the balancing mechanism, internal consumption patterns vary according to foods available and their prices as well as to changes in personal income levels.

Projections

After establishing the reasonableness of historical kilo-calories per day person, and determining future kilo-calorie consumption in consultation with nutritional experts, projections are made over the desired period of time, Exhibit G. From here on the process flow, in a sense, reverses itself as shown in Exhibit D. The objective of this reversal is to obtain estimates of future imports and exports by utilizing the procedures and information previously developed.

The projected daily calorie consumption per person is first multiplied by the corresponding population projections to arrive at total consumption in calorie equivalents year-by-year, step 10, Exhibit D. The total is then proportioned in nine categories on the basis of historical data and expected changes developed in the nutritional studies. The principal categories are:

1. Cereal based foods
2. Fruits and vegetables
3. Pulses (peas, beans, etc.)
4. Root crops (potatoes, yams)
5. Groundnuts
6. Livestock (meat, offal, fat)
7. Dairy and Poultry (milk, butter, cheese, meat, eggs)
8. Fisheries products
9. Other (principally oils and sugar)

Exhibit D

Progress Flow in Food Sector Statistical Preparation

Historical Data

1. Chapter II
(A.1a-A.18) Production quantities

3. Chapter II
(B.2-C.5) Import Export quantities

4. Chapter II
(A.1a-C.5) Food quantities Production Imports Exports

5. Chapter II
(A.1a-C.5) Calorie equivalent Produced Imported Exported

6. Chapter III
(E.1-E.2) Population

7. Chapter III
(F.1-F.5) Food Consumption K-cal per person

(D.1-D.4) Rainfall models

Projection Estimates

2. Chapter-II
(A.1a-A.18) Production quantities

8. Chapter III
(F.1-F.5) Food Consumptic K-cal per person

9. Chapter III
(E.1-E.2) Population

10. Chapter III
(G.1-H.1) Calorie equivalent Production Imports Exports

11. Chapter III
(G.4-H.2) Food quantities Production Imports Exports

12. Chapter III
(H.1-H.2) Import Export quantities

Value Added & GDP Calculations

13. Chapter IV
(J.1) 1980 constant production prices

14. Chapter IV
(J.1) 1980 constant Import Export prices

15. Chapter IV
(K.1) Values: Production Imports Exports

16. Chapter IV
(K.1) Less: Inter-industry Input Values

17. Chapter IV
(L.1-L.4) Value Added GDP

Exhibit E

Illustrative Example

One Year Food Supply/Demand Balance
(in millions of kilo-calories)

Production 9,000	Consumption 10,000
+	+
Imports 5,000	Exports 2,000
	=
	Direct Demand 12,000
	+
=	Additions to Stock 2,000
Supply 14,000	Demand 14,000

Exhibit F

Illustrative Example

Second Year Food Supply/Demand Balance

(in millions of kilo-calories)

Production 6,000	Consumption 10,000
+	+
Imports 5,000	Export 2,000
	+
Direct Supply 11,000	Direct Demand 12,000
Withdrawals from stock 500	
Supply 12,000	Demand 12,000

Exhibit G

Mauritania: Food Consumption in Calories

Year	Mid-year Population in thousands	Food in Billions of K - cal	Food K-cal per persons per day
1967	1086.7	839.5	2117
68	1110.8	857.0	2114
69	1135.5	877.9	2118
1970	1160.7	895.8	2114
71	1186.5	788.9	1822
72	1212.8	781.1	1764
73	1239.8	773.6	1710
74	1267.3	888.5	1921
1975	1295.4	914.2	1938
76	1324.2	936.7	1938
77	1353.6	974.0	1971
78	1386.1	1096.3	2167
79	1419.4	1151.8	2223
		Projections	
1980	1453.4	1098.1	2070
81	1488.3	1129.9	2080
82	1524.0	1162.6	2090
83	1560.6	1196.2	2100
84	1598.0	1230.7	2110
1985	1636.4	1266.2	2120
86	1675.7	1302.8	2130
87	1715.9	1340.3	2140
88	1757.1	1378.9	2150
89	1799.2	1418.5	2160
1990	1842.4	1459.3	2170
91	1886.6	1501.2	2180
92	1931.9	1544.3	2190
93	1978.3	1588.6	2200
94	2025.8	1634.1	2210
1995	2074.4	1680.9	2220
96	2124.2	1729.0	2230
97	2175.2	1778.4	2240
98	2227.4	1829.3	2250
99	2280.8	1881.4	2260
2000	2332.6	1235.2	2270

These categories are further broken-down into more detailed commodity groups as shown in the annexed tables.

The corresponding imports and exports are next developed by difference between food production and consumption with adjustments made to accommodate projected food and calorie production from step 2, in accordance with the three rainfall scenarios A, B, C initiated in steps 1 and 2. Historical trends in imports and exports are also used in making minor modifications as required. In all cases the food balance principle is applied to maintain internal consistency in the projection.

The next step 11 is to transform the calorie equivalents into food quantities following the format thus far established. These quantities must also produce a balance as a further test of accuracy. It is this built-in repetition of testability that improves the confidence level of the final results.

Finally, we arrive at step 12 in which food content is converted into quantities as imported and exported. Changes in stocks are not included in projections. Some food commodities such as wheat flour require no conversion except to allow for losses or wastage in transportation and handling. Wheat, on the other hand, involves milling or cracking before preparation in the kitchen for the final consumption and requires a conversion factor to be applied. This step of converting to commodities as received is necessary in order to apply prices and calculate import and export values in Chapter 4. The same or similar conversion procedures are applied to the domestically produced food commodities and for the same purpose.

At this point non-food commodities of agricultural production or forestry nature are added to the lists and tables as appropriate to complete the rural sector quantities presentation. This volume data provides the basis for computing values in the next chapter.

4. Transaction Tables

Introduction

The statistical tables and information so far prepared as well as that which follows clearly requires a rigorous and systematic framework for logical application in development planning and economic analysis. In such a system "... the production accounts can be subdivided to display commodity flows between industries which is a central feature of input-output studies ... it is thus possible to express in constant prices the principal product flows and stocks in the system."[1)]

The UN Studies in Methods, Series F No. 2 Rev. 3, has served as a guide in the design of the present study. Input-output reports of the US Bureau of Economic Analysis, Department of Commerce, have similarly been used with respect to the more detailed input-output accounts needed in developing estimates of value added for the rural sector of Mauritania.

The historical and projected quantities required by this approach are developed in Chapters 2 and 3, steps 1 through 12, Exhibit D. This exhibit is reproduced in this chapter for ready reference.

Prices

In order to convert quantities to values a set of corresponding prices for a selected year must be collected and tabulated, step 13, for domestically produced quantities and, step 14, for import and export quantities. The selected price year is 1980 and these prices are applied to the quantities developed for each year in the time series 1967 to 2000. Thus, values in constant prices can be calculated as specified by the adopted method. A feature of constant prices is to weigh the economic importance of each commodity so that the anomaly of adding tons of firewood to tons of butter, for example, can be removed from the calculations of gross domestic product and value added.

The resulting values for each commodity are assembled (step 15) and listed year-by-year in the annexed tables. The application of prices may in some cases pose problems that require careful attention. The answer lies in distinguishing between producer, import c.i.f.[2)] and export f.a.s.[3)] prices on the one hand and final market (consumer) prices on the other. The input methodology requires the use of producer, c.i.f.[2)] and f.a.s.[3)] prices The quantities to which they are applied must be the gross volume produced. For example, in agriculture it will be the quantity harvested and not that marketed and consumed as food on the farm. In this concept, seed, feed and waste are valued at producer prices. After all, the farm family has done work and provided other inputs to produce them. As might be expected, a means of accounting for such deductions is needed and is provided for in the inter-industry input calculations, a most useful feature of input-output methodologies, which is discussed in a following section, step 16.

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1) "A system of National Accounts", Dept. of Economic and Social Affairs, United Nations, New York, 1968, p. 1.

2) c.i.f. = cost, insurance and freight

3) f.a.s. = free along side

Exhibit H

Progress Flow in Food Sector Statistical Preparation

Historical Data

Chapter II
(A.1a-C.5)
Food quantities
Production
Imports
Exports

5. Chapter II
(A.1a-C.5)
Calorie equivalent
Produced
Imported
Exported

6. Chapter III
(E.1-E.2)
Population

7. Chapter III
(F.1-F.5)
Food Consumption
K-cal per person

Projection Estimates

8. Chapter III
(F.1-F.5)
Food Consumption
K-cal per person

9. Chapter III
(E.1-E.2)
Population

10. Chapter III
(G.1-H.1)
Calorie equivalent
Production
Imports
Exports

11. Chapter III
(G.4-H.2)
Food quantities
Production
Imports
Exports

Value Added & GDP Calculations

15. Chapter IV
(K.1)
Values:
Production
Imports
Exports

16. Chapter IV
(K.1)
Less:
Inter-industry Input Values

17. Chapter IV
(L.1-L.4)
Value Added
GDP

Values

Once the values of each commodity are calculated year-by-year, they are summed for each subsector in the rural context of this study. These sub-totals clearly represent total value output in each case. Here again the balancing principle is at work, for it should be obvious that output values must cover all input costs, where costs are defined to include all inter-industry inputs plus value added.

Further, the total value added is defined as charges against, and equal to, gross domestic product. It includes many sub-items that may or may not be applicable to any one sub-sector or commodity but will certainly apply in the total aggregate of economic activity within the country. The sub-items are:

Compensation of employees
Proprietor's income
Corporate profits
Net interest
Business transfer payments
Indirect business taxes
Less: Subsidies less current surplus of government enterprises
Capital consumption allowances.

Gross domestic product is also equal to final demand, which includes:

Personal consumption expenditures
Gross private fixed capital formation
Changes in business inventories
Government purchases, which subsumes changes in government inventories
Exports
Less: Imports

It is not necessary to account specifically for each of the above items in this study. It is sufficient to appreciate what is included and to know that input totals in each column are equal to the corresponding row output totals. Thus, inter-industry subtotals can be deducted from input totals as an estimate of value added for each sector column.

Inter-Industry Inputs

Inter-industry input values, step 16, represent purchases of one sector from each of the other sectors in the economy. A breakdown of sectors into all possible subsectors can produce a very long list of headings. In order to cope with so much detail, subsectors are grouped in a rising hierarchy of ever fewer, but more encompassing classifications. The top headings of the hierarchy are typically as follows:

Agriculture, Forestry and Fishing
Mining
Construction
Manufacturing
Transport, Communications, Electric and Sanitary Services
Finance, Insurance and Real Estate
Services
Government Enterprise and Administration
Other

This study focuses on agriculture, forestry and fishing plus directly related processing activities that have been separated from manufacturing. The study refers to the focus group as the rural sector. The input values (costs) used later in this chapter come from the annexed rural sector tables and their implicit commodity flows plus costs derived from other RAMS studies. Input costs for other industries and services are derived by inference from national account indicators and neighboring country input-output studies.

The simplified table below should help in visualizing the input-output methodology.

Transaction Table

	Sectors				
	A Rural	B Industrial	C Tertiary	Final Demand	Total Output
A	2	2	1	7	12
B	1	3	2	4	10
C	1	1	6	15	23
Value Added	8	4	14	26 = GDP	
Input	12	10	23		35

Of special interest is the inter-industry box enclosed by double lines and the cells with values 2,3,6 along the diagonal, which represent the products produced and used within the industry groupings A,B,C. It is also worth pointing out that the column and row totals are all equal. It is these equalities that test and assure the reasonable accuracy of the calculations and methods involved even in an example as simple as the one above. In cases such as the USA, where the cells in the inter-industry box regularly considered number 135,000, that is 367 sub-sectors, the need for testable accuracy at each step in the calculations becomes an objective of paramount importance. It is, of course, equally important in all work of this kind.

The above diagram is commonly referred to as an input-output table and has many interesting features and relationships exclusive of the numbers involved. Some of the conceptual relationships have already been listed above under final demand and value added, where personal needs such as employment, proprietorship, personal consumption

and private capital formation (housing, farm improvements, etc.) are all taken into account. This concern can be considered in ever greater detail by recognizing and analyzing progressively more microscopic divisions within sub-sectors all of which include the same personal components.

The inter-industry cells also breakdown into areas of considerable social concern. For example, a highly detailed set of subsectors will include:

- Doctors and dentists
- Hospitals
- Other medical and health services
- Educational services
- Non-profit organizations
- Household industry
- Government expenditures for
  - Education
  - Health
  - Welfare
  - Sanitation
  - Other

In each of these subsectors employment and personal consumption are evaluated.

Occasionally one hears that economic indicators such as GDP and added value are insensitive to human needs. It is not so much that these indicators are insensitive as it is that they so clearly point to the willingness or unwillingness of any given society to make the economic transfer between subsectors. At any given moment in time any society has a flow of revenues to be allocated between wealth formation, costs and consumption, all of which are derived between the public and private domains. The allocations are determined by thousands of daily decisions at many levels in the society so as to take care of human needs both basic and in many other ways. It is not a question of the indicators or economy supplying basic needs through a "hidden hand". Rather, what the indicators suggest and how they should be used relates most specifically to a conscious recognition of how the decision process is actually allocating revenues and which of the decision making processes may be most beneficially modified. It is necessary at all times to remember that the decisions are made by individual people with their own special interest.

This study is designed to assist the decision-making process and to facilitate desired changes by providing the necessary detail as well as the consolidating framework of inter-industry tables so that the resulting indicators can be back-tracked through the many steps to the elemental level where desired changes will have to take place, if the many decisions needed are to be successfully implemented.

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In order to fill in the cells, it is necessary to utilize the detail provided at the elemental level times corresponding prices so that we may now work in value terms, for example:

Item	Quantity	Price	Value	
Production	x x x	x x	x x x	
= Output			x x x	(1)
= Input			x x x	(2)
Less:				
Seed	x x x	x x	x x x	(3)
Waste	x x x	x x	x x x	(4)
= Food				

The xxx's merely show where numbers will be inserted.

Thus, cells (1), (2), and (4) are first derived. Values (1) and (2) are straightforward calculations that establish the parameters that are equal or in balance. All subsequent data in the corresponding rows and columns must add up to these totals. This is the essential discipline of the input-output method. It helps protect against cummulative errors in compiling data. Values (3) are an example. Without them, other inputs and outputs will not add up and this is one reason why value added as a difference is ofter overstated to balance total inputs.

Value (4) is of particular interest because it supplies feed, an inter-industry input to livestock in the above case. It acts to reduce intermediate inputs of the initiating subsector so that the value by difference is increased. At the same time an intermediate input to livestock is accounted for with, however, a decrease in value added. To the extent that livestock off-take provided a measure of fertilizer to agriculture, the steps in a sense are reversed.

These row and column procedures may at first be a bit difficult to understand but they are worth mastering because they point to potential relationships where inter-industry activities are waiting to be expanded. By concentrating projects where the potential is the greatest, investments will be most productive and incomes can increase faster. The input-output methodology ranks such potentials by producing an incremental capital (investment) to output (value added) ratio that indicates the amount of capital input needed to produce one unit of value added.

Such ratios make useful benchmarks for evaluating new projects. The benchmarks tell us whether an investment to value added ratio, as calculated in the preparation study of a new project, is above or below the norm for the subsector in which the project can be grouped. If the project ratio varies considerably from the norm, the evaluator will want to find out if costs and incomes have been realistically prepared before judging the project's merits by other criteria.

Let us, therefore, examine the rows and columns in another manner. The horizontal rows, in value terms, show the sales or transfer to each subsector industry and to final users of commodities output by the subsector named at the beginning of the row. As the total of such entries must equal output, we are led to consider the potential demand for each subsector commodity by all of the other subsectors. If in the process we identify in detail the constraints on demand or use, including imports and exports, then we are in a better position to design policy projects to modify the constraints and thus clear the way for more rapid economic growth and benefits.

At the same time, the above row entries identify, column-by-column, the inputted values of raw materials, semi-finished goods, and services. Thus, we can cross-check vertically estimated input values and rapidly resolve discrepancies. The result is a double-entry method of accounting for inputs and outputs. Remembering that inputs equal outputs, we can, with a high level of confidence, now estimate by difference the value added in each column.

Where:

V = value added
T = intermediate or inter-industry inputs
M = non-comparable imports such as fertilizer in agriculture
I = total sector inputs = outputs

then by difference:

$$V = I - T - M$$

Ideally, the detailed data making up value added ought to be available, but in rural sectors such data is generally unavailable because of the large subsistence component as in Mauritania. Thus, an estimate by difference is the next best approach particularly when intermediate inputs are carefully analysed and evaluated as suggested above.

The use of intermediate tables requires that in all cases producer prices must be used. Such prices exclude distribution costs, which are treated in separate subsectors: transportation and margins only in wholesale and retail trades where the producers costs of commodities are not included because they would cause double counting. Transportation costs and trade margins thus become inputs to other subsectors and the problem is avoided.

Flow Examples

The following brief comments apply to the fold-out transaction table, Exhibit 1.

The figure 252.37 in the milling column represents a transfer of imported grain plus a portion of domestic production that requires milling or pounding and winnowing to produce a regularly edible product. The commodity flow is thus from the cereal production row down to the milling row, where this activity is recorded. The minus value (-39.17)

in the services column and cereals row represents the losses on the imported quantities chargeable to the traders involved and consequently passed on to consumers.

Fishing and fish processing is another good flow example. Here, domestic and imported fishing production flow into domestic consumption and into exports before the difference flows through inter-industry transactions to fish processing and additional domestic consumption and exports.

The use of the input-output matrix can thus be seen to greatly assist in tracing and accurately recording flow in the economy before analysis is started.

Transaction Matrices

The transaction matrix provides the framework in which to organize the data for a selected year using tables so far prepared. Actually, averages of the data for the three years 1977-79 were used. The period is the most recent in which complete data was found and averaging reduces the variances due to seasonality. A one-year time frame is used. It corresponds with other annual data that will be used in making projections. Also, the transaction matrix is used to calculate input coefficients, which "... in general do not change rapidly and ... retain their usefulness for economic analysis over a period of several years".[4] Projections to the year 2000 exceed this period of reliability and twenty-year extrapolations have a probability approaching zero in any case. Suggestions for updating the model appear below.

The first transaction matrix served to organize and balance the quantities of 49 rural commodities. The second matrix uses values after prices are applied to the quantities and expands the format to 59 rows in order to accomodate non-rural sectors and value added calculations. This value matrix is next partitioned into the inter-industry matrix with 57 rows and columns and four vectors (lists of 57 values in one column or row). The four vectors are value added, final demand, inputs and outputs. Value added and final demand are equal in sum; inputs and outputs are equal in sum and identical in order. The final demand vector is the sum of:

Personal consumption expenditures
Gross private fixed capital formation
Government purchases
Exports
Imports (-)
Change in business inventories (Δ stocks).

The first three items are combined, for lack of precise allocation information, in the matrix under the heading "consumed".

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4) Survey of Current Business, February 1979, Vol. 59, No. 2, Bureau of Economic Analysis, US Dept. of Commerce, p. 37.

Exhibit I

Transaction Table Mauritania: Input-Output Structure - 1978

(in millions of Ouguiyas - 1980 constant prices)

...dity ...tors	1. Cereals	2. Other Crops	3. Livestock	4. Poultry	5. Fishing	6. Forestry	7. Milling	8. Fish Processing	9. Rural Artisan	10. Construction	11. Transportation	12. Trade	13. Other Sectors	14. Public Sector	Final Demand: Consumed	Final Demand: Imports	Final Demand: Exports	Final Demand: ΔStock	Total Outputs	
...ls	65.31		71.49	22.80			252.37					-39.17			903.77	- 854.22			442.35	49.55
... Crops		267.28										- 4.86	9.57		1542.93	- 330.04	50.15		1535.03	1263.04
...stock	16.10	23.00	395.09						270.27		4.00		4.05		5348.57	- 525.57	543.19		6380.65	5568.19
...ry				151.33									5.65		555.42				716.40	559.42
...ing					55.32			295.59					2.73		438.95	- 732.73	539.60		599.46	245.32
...stry	7.96	5.80				12.93									517.81		11.52		556.02	529.33
...ing			39.03	7.10			31.20					-30.33	3.88		1386.62	-1018.63		39.55	458.42	407.54
... Prc								225.87							69.55		320.98		616.40	395.53
...sanal	11.24	15.46	14.61		9.02		3.00		235.01						817.09				1105.43	817.09
...truction			0.88	5.56	25.68			0.16	3.07	78.91	39.20	13.33	364.22		3467.28	- 653.29			3345.00	2913.99
...sportation	9.03	14.91	51.53	1.76	10.66	14.19	11.76	1.75	14.71	50.69	107.18	28.91	796.65		204.05	- 86.76			1231.02	117.29
...le	8.39	28.64	38.86	11.90	15.39	66.29	34.17	1.00	5.67	58.64	14.12	70.68	228.31		1307.38	304.68			1584.76	1002.70
...er Sectors	5.31	8.17	89.24	51.13	116.88	0.21		1.39	66.54	1643.28	254.46	396.62	5528.00		10874.83	-5039.48	6423.00		20419.58	12258.35
...lic Sector															440.07				440.07	440.07
...ue Added	319.01	1171.77	5679.92	444.82	366.51	462.40	125.92	90.64	410.21	1513.48	812.06	1149.58	13476.52	440.07					26462.91	0
...al Inputs	442.35	1535.03	6380.65	716.40	599.46	556.02	458.42	616.40	1105.43	3345.00	1231.02	1584.76	20419.58	440.07	27878.32	-9543.40	8088.44	39.55	65593.50	26462.91

The detail in this large transaction matrix is appropriate to the data available, but the matrix itself is too large to be handled in the memory of the RAMS computer. The problem is resolved by consolidating the data into a smaller sized matrix of nine rural commodity sectors and five others for the rest of the economy. The 14 headings with consolidated sub-headings are as follows:

1. Cereals
   Includes:
   wheat, paddy rice, barley, maize, millet/sorgo, water/irrig.

2. Other crops
   Includes:
   fruits, vegetables, pulses, root crops groundnuts/oil extraction, water/irrig.

3. Livestock
   Includes:
   cattle, sheep, goats, camels, meat, offal, fat, milk etc., hides/skins, hair/wool, water

4. Poultry
   Includes:
   eggs, slaughtered birds

5. Fishing
   Includes:
   river fish, demersal, pelagic, other fish, cephalopods

6. Forestry
   Includes:
   firewood, charcoal, other wood, gum arabic

7. Milling
   Includes:
   cereal milling and pounding.

8. Fish processing
   Includes:
   curing, freezing, canning, meal/oil.

9. Rural artisan
   Includes:
   weaving, leather, rural shelter, other.

10. Construction

11. Transportation

12. Trade

13. Other sectors

14. Public sector

15. Value added
    Final demand
    Includes:
    consumed, imports exports, Δ stock

16. Inputs/Outputs

The large matrix is used to calculate value added coefficients and the proportion of value added in the rural sector to that of the total economy as needed for projections in the next chapter.

5. GDP Projections

The transaction matrices give an excellent grasp on the statistical information generated in other governmental departments and how commodities flow between sectors. They can be beneficially prepared on an annual or bi-annual basis by overall economic planners whetheror not the input-output calculations discussed in this chapter are performed.

Value Added Coefficients

Dividing value added by total input value column-by-column yields added coefficients. Applying these coefficients to their respective quantity output projections at constant prices produces a projection of GDP generated by each rural sub-sector.

Rural development does not occur without parallel growth in the urban sector, though the opposite case is frequently observed. Trends in Mauritania since 1972 follow such as parallel movement within a narrow range of ± 2%. Thus, if the proportion of total rural sector value added to that of the total economy persists, then the proportion can be used as determined from the transaction matrix to project total GDP.

GDP Projections

A principal purpose of the study is a projection of GDP from 1980 to 2000 in constant prices. The results are strictly a baseline case. New or proposed investment options are not included. When and if such schemes are implemented, these improvements can be measured against the baseline projections of this study.

The basic parameter used in agriculture is hectares cultivated. It was necessary, however, in this study to use hectares harvested because the preferred data were not available. The hectare yields were varied according to the rainfall model and then applied to the projected hectares to obtain projections of agricultural outputs crop by crop. The outputs were priced and then converted to GDP using value added ratios. As the projected crop patterns varied so does the overall sum of GDP values. Similar methodology was applied to other commodities as appropriates.

A total set of GDP projections are included in the statistical section. A seven sector GDP forecast using the "short" matrix, five-year intervals, and rainfall scenario A is presented in Exhibit J.

Exhibit J

A Seven Sector GDP Forecast - Scenario A

(in millions of constant 1980 Ouguiyas)

	1970	1975	1980	1985	1990	1995	2000
Agriculture	229,874	164,293	179,244	234,770	275,865	337,947	414,695
Livestock	738,690	551,519	603,871	657,067	690,226	725,279	734,525
Fishing	52,064	33,408	40,566	49,803	59,040	68,277	77,514
Forestry	46,806	45,700	50,023	58,447	68,373	80,222	94,018
Fish Processing	14,116	9,504	15,553	19,407	23,882	28,728	33,995
Industry	60,837	46,370	63,386	79,034	93,915	115,016	132,416
Services	2,184,366	1,626,809	1,821,555	2,100,503	2,316,137	2,591,802	2,843,615
Total GDP	3,326,753	2,477,603	2,774,198	3,199,031	3,527,438	3,947,271	4,330,778

Note: Associated processing is combined in primary sectors, not in industry.

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The mathematics needed to achieve the above goal are complex. The example which follows details the procedure.

An example

First, a transaction matrix is needed and is set-up as a four sector economy below.

Transaction Table

Inter-industry Matrix

	Agriculture	Agri. Processing	Other Industry	Services	Final demand vector	Output vector
Agriculture	6	47	0	0	33	86
Ag. Processing	4	10	2	0	62	78
Other Industry	3	1	31	14	67	116
Services	2	1	29	24	82	138
Value Added	71	19	54	100	0	244
Total Inputs	86	78	116	138	244	418*

* Total inputs and outputs (418) exclude the value added and final demand total as they are already included.

Second, the inter-industry coefficients are calculated.

$$A = \begin{matrix} .070 & .603 & 0 & 0 \\ .047 & .128 & .017 & 0 \\ .035 & .013 & .267 & .101 \\ .023 & .013 & .250 & .174 \end{matrix}$$

Third, the coefficients are subtracted from the identity matrix.

$$(I - A) = \begin{matrix} .930 & -.603 & 0 & 0 \\ -.047 & .872 & -.017 & 0 \\ -.035 & -.013 & .733 & .101 \\ -.023 & -.013 & -.250 & .826 \end{matrix}$$

Fourth, the above matrix is inverted

$$(I - A)^{-1} = \begin{matrix} 1.114 & .770 & .019 & .023 \\ .061 & 1.190 & .029 & .036 \\ .061 & .066 & 1.426 & .175 \\ .051 & .060 & .433 & 1.264 \end{matrix}$$

Fifth, the inverse matrix is multiplied by the final demand vector and the result equals the output vector by matrix multiplication, another complex computation.

$$\left| (I - A)^{-1} \right| * \left| \begin{matrix} \text{F. D.} \\ 33 \\ 62 \\ 67 \\ 82 \end{matrix} \right| \quad \left| \begin{matrix} \text{Output} \\ 86 \\ 78 \\ 116 \\ 138 \end{matrix} \right|$$

<u>Output Changes</u>

If final demand for agriculture increases by one unit, it will lead to changes in all outputs in the following proportions:

$$\left| (I - A)^{-1} \right| * \left| \begin{matrix} \text{F. D.} \\ 1 \\ 0 \\ 0 \\ 0 \end{matrix} \right| \quad \left| \begin{matrix} \text{Output} \\ 1.114 \\ .061 \\ .061 \\ .051 \end{matrix} \right|$$

Note that the increased output figures are the same as those in the first column of the inverse matrix. Thus, changes in final demand, are shown to increase productive activity with a resulting increase in GDP.

ICOR

An incremental capital to (value added) output ratio is another way of stating the above results. The diagonal coefficients in the inverse table above are used. The reciprocal of each coefficient after deducting the integer one (1) in each case gives the capital input needed to increase its GDP by a value of one unit. This relationship is abbreviated as ICOR.

Below is a thirteen sector set of Mauritanian ICOR. The livestock associated activities of dairy and butchering are combined in livestock. Also water/irrigation is allocated to user sectors. These acti-activities do not stand alone in the present context; though their flow ... were readily identified, they are incomplete until incorporated in their basic section.

Sector	ICOR
Cereal products	5.78
Other crops	4.74
Livestock products	14.68
Poultry	3.73
Fishing	9.83
Forestry	42.18
Milling cereals	14.04
Fish processing	1.73
Artisan	3.68
Construction	25.50
Transportation	8.97
Trade	20.35
Other sectors	2.42

Though the ICOR analysis is highly informative, it is less dynamic than adopting a method of adding project data to the transaction table. This approach requires project planning teams to estimate costs and sales according to the input-output classifications. Exhibits K on the following page lists industry sectors to which sales can be made and/or from which products and services can be purchased. Using such a check list helps to ensure thoroughness in preparing estimates in a standard form for input-output analysis.

Exhibit K

Industry Classifications for Input-Output Tables

Agriculture, Forestry, and Fisheries

1. Livestock and livestock product
2. Other agricultural products
3. Forestry and fishery products
4. Agricultural, forestry, and fishery services

Mining

5. Iron and ferroalloy ores mining
6. Nonferrous metal mining
7. Coal mining

8. Crude petroleum and natural gas
9. Stone & clay mining and quarrying
10. Chemical and fertilizer mining

Construction

11. New consruction

12. Maintenance and repair construction

Manufacturing

13. Ordinance and accessories

14. Food and kindred products
15. Tobacco manufactures
16. Broad and narrow fabrics, yarn and thread mills
17. Miscellaneous fabricated textile goods and floor covering
18. Apparel
19. Miscellaneous fabricated textile products
20. Lumber and wood products, except containers
21. Wood containers
22. Household furniture
23. Other furniture and fixtures
24. Paper and allied products, except containers and boxes
25. Paperboard containers and boxes
26. Printing and publishing
27. Chemicals and selected chemical products
28. Plastics and synthetic materials

29. Drugs, cleaning and toilet preparations
30. Paints and allied products
31. Petroleum refining and related industries
32. Rubber and miscellaneous plastic products
33. Leather tanning and finishing
34. Footwear and other leather products
35. Glass and glass products
36. Stone and clay products
37. Primary iron and steel manufacturing
38. Primary nonferrous metals manufacturing
39. Metal containers
40. Heating, plumbing, and fabricated structural metal products
41. Screw machine products and stampings
42. Other fabricated metal products
43. Engines and turbines
44 Farm and garden machinery
45 Construction and mining machinery
46. Materials handling machinery and equipment
47 Metalworking machinery and equipment
48 Special industry machinery and equipment
49 General industrial machinery and equipment
50 Miscellaneous machinery, except electrical
51 Office, computing, and accounting machines
52 Service industry machines
53 Electrical transmission and distribution equipment and industrial apparatus
54 Household appliances
55 Electric lighting and wiring equipment
56 Radio, TV, and communication equipment
57 Electronic components and accessories
58 Miscellaneous electrical machinery, equipment, and supplies
59 Motor vehicles equipment
60 Aircraft and parts
61 Other transportation equipment
62 Professional, scientific, and controlling instruments supplies
63 Optical, opthalmic, and photographic equipment and supplies
64 Miscellaneous manufacturing

Transportation, Communication, and Utilities

65 Transportation and warehousing
66 Communications, except radio and TV
67 Radio and TV broadcasting
68 Electric, gas, water and sanitary services

Wholesale and Retail Trade

69. Wholesale and retail trade

Finance, Insurance, and Real Estate

70. Finance and insurance
71. Real estate and rental

Services

72. Hotels and lodging, personal and repair services (except auto)
73. Business services

74. Eating and drinking places
75. Automobile repair and services
76. Amusements
77. Health, educational, and social services and nonprofit organizations

Government Enterprises

78. Federal Government enterprises
79. State and local government enterprises

Dummy and Special Industries

80. Noncomparable imports
81. Scrap, used, and secondhand goods
82. Government industry
83. Rest of the world industry
84. Household industry
85. Inventory valuation adjustment

Final Demand

91. Personal consumption expenditures
92. Gross private domestic fixed investment
93. Change in business inventories
94. Exports
95. Imports
96. Federal Government purchase, national defense
97. Federal Government purchases, nondefense
98. State and local government purchases, education
99. State and local government purchases, other

This approach forces project planning teams to more fully consider project variables than is often the case.

For example, project evaluation using the input-output techniques outlined above requires, of course, the traditional input costs or purchases from other sectors in the economy, as well as imports that are not comparable to final products. The typical elements of payrolls, interest, and profits less subsidies are included in value added. The element of depreciation normally estimated with the above must now be treated as capital consumption. That is, the capital invested is divided by its expected life and is included in value added. In addition, an estimate of wastages either in scrap or lost materials or products consumed in production (seeds are an example) needs to be made. This element is usually subsumed in the products available for sale, but it must now be estimated separately.

On the sales side the conventional sales and income figures must be expanded to show estimates of sales to other sectors as well as to both domestic demand and export exports.

The above estimates must be made on the basis of normal expected production, which will be less than capacity production by a stated percent figure. The first year in which this normal production is expected to occur is also needed. As all the above estimates will be in current dollars or currencies when made, it will be necessary in project evaluation to use appropriate deflator coefficients so the estimates will be in constant 1980 prices.

Adding projects in the above manner requires adding one more row and column to the transaction table, and entering into them the project estimates as outlined above.

Statistical Annex

Section 2.1

Table A - 1a & 1b	Cereal Grain Production by Years
Table A - 1c	Forecast of Cereal Production
Table A - 2a & 2b	Vegetable and Fruit Production
Table A - 2c	Forecast of Vegetable and Fruit Porduction
Table A - 2e	Forecast of Melon Seed Production, Food & Kilo-calories
Table A - 3a & 3b	Pulses Production
Table A - 3c	Forecast of Pulses Production
Table A - 4a & 4b	Root Crop Production
Table A - 4c	Forecast of Root Crop Production
Table A - 5a & 5b	Groundnuts, Oil & Meal Production
Table A - 5c & d	Forecast of Groundnut Production, Food & Kilo-calories
Table A - 6a & 6b	Total Livestock Production and Off-take
Table A - 7a & 7b	Products of Cattle (Domestic)
Table A - 7c	Forecast of Cattle Production and Off-take
Table A - 9a & 9b	Products of Sheep (Domestic)
Table A - 9c	Forecast of Sheep Production and Off-take
Table A - 11a & 11b	Products of Goats (Domestic)
Table A - 11c	Forecast of Goats Production and Off-take
Table A -13a & 13b	Products of Camels (Domestic)
Table A -13c	Forecast of Camel Production and Off-take
Table A -15a & 15b	Poultry and Egg Production
Table A- 15c	Forecast of Poultry and Egg Production
Table A - 16a & 16b	Fishery Production and Processing
Table A - 16c & b	Forecast of Fisheries Production, Food & Kilo-calories
Table A - 17a & 17b	Miscellaneous Fishery Production
Table A - 18	Forestry Sub-sector - Production and Projections

Statistical Annex (continuation)

Section 2.1

Table D - 1	Rainfall
Table D - 2	Annual Rainfall
Table D - 3	Calculation Sheet - Future Rainfall Series of Equal Probabilities
Table D - 4	Rainfall in Southern Areas
Table E - 1	Population Estimates
Table E - 2	Resident Population by Region and Department

Table A - 1a

Mauritania : Cereal Grain Production by Years (in metric tons)
Mauritanie : Production de Céréales par Année (en tonnes métriques)

Item	K - cal / 100 g.	1967	1968	1969	1970	1971	1972
Wheat/blé							
Hectares/hectares		230	230	240	240	200	200
Seed /semences		380	380	380	300	310	350
Feed /alimentation		23	23	23	10	22	18
Waste /déchet		37	37	30	40	31	32
Food /nourriture	363	10	10	10	10	9	9
Paddy Rice/champs de riz		160	160	160	171	138	141
Hectares/hectares		400	514	497	1,370	1,370	2,500
Seed /semences		300	730	612	1,000	1,500	2,000
Feed /alimentation		59	49	83	120	160	80
Waste /déchet		26	35	32	97	94	180
Food /nourriture	364	101	135	101	367	356	700
Barley/Orge		214	293	256	736	760	1,524
Hectares/hectares		200	220	220	220	220	200
Seed/semences		300	320	320	320	320	300
Feed/alimentation		21	21	21	21	20	18
Waste /déchet		51	56	56	56	57	53
Food/nourriture	337	10	11	11	11	11	10
Maize/Maïs		113	132	132	132	132	124
Hectares /hectares		5,700	4,000	4,000	3,000	3,800	3,500
Seed/semences-		6,500	6,700	6,700	6,600	6,700	6,500
Feed /alimentation		221	221	218	221	215	198
Waste/déchet		280	179	179	160	170	158
Food /nourriture	350	544	379	370	300	350	329
Millet/ Sorgho /Mil/Sorgho		4,375	3,221	3,224	3,050	3,056	2,815
Hectares/hectares		90,000	95,000	110,000	83,000	50,000	37,500
Seed/semences		250,000	250,000	280,000	250,000	260,000	200,000
Feed/alimentation		5,000	5,600	5,000	5,200	4,000	2,600
Waste/déchet		6,640	6,772	7,350	5,892	3,480	2,642
Food/nourriture	345	10,135	10,375	12,465	9,316	5,545	4,187
All Cereals/Toutes les Céréales		68,425	71,252	84,575	62,532	38,075	28,071
Hectares/hectares		90,730	99,934	114,957	88,630	55,590	43,500
Seed/semences		257,400	258,138	288,012	258,398	268,830	209,150
Feed/alimentation		5,324	5,914	5,350	5,501	4,417	2,909
Waste/déchet		6,814	7,080	6,256	6,254	3,832	3,073
Food /nourriture		10,300	11,212	12,988	10,054	5,280	5,243
		73,592	75,758	83,355	66,741	41,061	32,675
K - cal, m. / K - cal, m		254,188	261,602	305,056	230,580	141,973	113,176

Table A-1 b

Mauritania : Cereal Grain Production By Years (in metric tons)

Mauritanie : Production Céréales par Années (Tonnes métriques)

Item /Article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Wheat /Blé		150	150	170	250	200	180	200		
Hectares /hectares		300	300	310	420	400	340	400		
Seed /semences		18	19	25	24	20	24	24		
Feed /alimentation		25	25	28	44	35	30	34		
Waste /déchet		4	6	7	10	8	7	8		
Food /nourriture	364	103	100	110	172	137	119	134		
Paddy Rice/champ de riz		3000	3000	3840	3960	3600	3500	4000		
Hectares /hectares		1000	1000	1036	1187	1600	1700	2000		
Seed /semences		80	83	95	128	136	160	160		
Feed/alimentation		326	326	406	416	375	363	417		
Waste/déchet		809	808	1050	1075	973	937	1078		
Food /nourriture	364	1785	1783	2289	2341	2116	2040	2345		
Barley /Orge		150	160	170	180	200	150	200		
Hectares .hectares		200	210	220	230	240	300	300		
Seed /semences		14	14	15	16	20	20	20		
Feed /alimentation		38	40	44	45	49	37	50		
Waste /déchet		8	9	9	10	11	8	11		
Food /nourriture	337	90	97	102	109	120	85	119		
Maize /Maïs		1500	3000	4000	4500	4000	4800	5000		
Hectares/hectares		6000	6000	8000	8500	8000	8800	9000		
Seed/semences		198	264	281	264	290	297	297		
Feed /alimentation		156	168	176	201	182	213	223		
Waste/déchet		36	233	376	425	356	453	472		
Food /nourriture	350	1110	2335	3167	3610	3172	3837	4008		
Millet /Mil		25000	50000	45000	36000	21000	17200	35000		
Hectares /hectares		130000	160000	109000	70000	60000	109000	110000		
Seed /semences		3200	2180	1400	1200	2180	2200	2200		
Feed /alimentation		3100	6808	6209	4956	2678	2135	4669		
Waste /déchet		1133	2435	2206	1759	963	769	1673		
Food /nourriture	345	17567	38577	35185	28085	15179	12096	26458		
Cereals /céréales		29800	56310	53180	44890	29000	25830	44400		
Hectares/hectares		137500	167510	118566	80337	70240	120140	121700		
Seed /semences		3510	2560	1816	1632	2646	2701	2701		
Feed /alimentation		3645	7367	6863	5662	3319	2778	5393		
Waste/déchet		1990	3491	3648	3279	2311	2174	3242		
Food /nourriture		20655	42892	40853	34317	20724	18177	33064		
K-cal, m		67793	143441	141549	119043	72075	63306	114733		

Source: Derived from FAO 06/28/80 computer print-out.

Tiré du listing informatique FAO/06/28/80.

Table A - 2a

Mauritania: Vegetable and Fruit Production (in metric tons)

Mauritanie : Production de Fruits et Légumes (en tonnes métriques)

Item	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Fresh Vegetables /Légumes frais		2,000	2,100	2,100	2,100	2,000	1,800
Hectares /hectares		500	525	525	525	500	450
Seed/semences		20	21	21	21	20	18
Waste /déchet		180	189	189	189	180	162
Food /nourriture	20	1,800	1,890	1,890	1,890	1,800	1,620
Watermelon / Pastèques		1,500	1,500	1,500	1,500	1,500	1,300
Hectares /hectares		110	110	110	110	110	110
Waste /déchet		150	150	150	150	150	130
Food/nourriture	14	1,350	1,350	1,350	1,350	1,350	1,170
Food Seeds /Graines alimentaires	518	1,650	1,700	1,750	1,800	1,750	1,500
Fresh Fruit /Fruits frais		2,200	2,000	2,200	2,200	2,200	2,000
Hectares /hectares		-	-	-	-	-	-
Waste /déchet		220	200	220	220	220	200
Food /nourriture	60	1,980	1,800	1,980	1,980	1,980	1,800
Dates /Dattes		13,000	14,000	12,500	15,000	10,000	10,000
Hectares /hectares		-	-	-	-	-	-
Waste /déchet		1,300	1,400	1,250	1,500	1,000	1,000
Food /nourriture	70	11,700	12,600	11,250	13,500	9,000	9,000
Sum /Total		18,700	19,600	18,300	20,800	15,700	15,100
Hectares /hectares		610	635	635	635	610	560
Seed /semences		20	21	21	21	20	18
Waste/déchet		1,850	1,939	1,809	2,059	1,550	1,492
Food /nourriture		16,830	17,640	16,470	18,720	14,130	13,590
Food Seeds/Graines alimentaires		1,650	1,700	1,750	1,800	1,750	1,500
K - cal, m.		18,474	19,273	18,695	20,529	17,102	15,638

Source; Derived from FAO 06/28/80 computer printout
Tiré du listing informatique 06/28/80.

Table A - 1c

Mauritania : Forecast of Cereal Production (in thousands of metric tons)

Mauritanie : Prévision de Production Céréalière (en milliers de tonnes métriques)

Année Year	Champs de riz Paddy Rice	Scenario A Wheat/Blé Barley /Orge Maize /Maïs	Millet /Mil	Champ de riz Paddy Rice	Scenario B Wheat/Blé Barley/Orge Maize /Maïs	Millet/mil	Champ de riz Paddy Rice	Scenario C Wheat /Blé Barley/Orge Maize /Maïs	Millet/mil
1980	4.8	4.9	27.5	4.8	4.9	27.5	4.8	4.9	27.5
81	5.9	5.3	33.1	5.9	5.3	33.1	5.9	5.3	33.1
82	7.4	5.6	37.5	7.5	6.0	39.6	7.1	5.7	34.5
83	9.0	6.4	41.1	8.5	6.1	36.2	8.5	6.1	36.2
84	10.3	6.7	40.2	9.7	6.3	34.9	9.9	6.4	36.1
1985	11.7	6.9	39.0	11.6	6.9	38.4	11.9	7.0	40.5
86	13.7	7.1	37.1	13.2	6.8	34.5	14.8	7.6	45.0
87	16.4	7.5	43.7	14.2	6.5	28.4	17.7	6.2	48.1
88	19.8	8.2	43.8	17.9	7.5	34.8	19.9	8.3	44.6
89	22.1	8.3	41.4	21.9	8.3	40.5	22.8	8.6	45.0
1990	24.5	8.5	39.4	25.5	8.8	43.8	26.9	9.3	49.9
91	30.6	9.3	45.8	28.6	8.7	38.9	32.3	9.8	52.8
92	35.1	9.5	44.9	32.8	9.0	38.2	37.0	10.1	51.5
93	38.7	9.5	40.8	38.7	9.5	41.0	41.8	10.2	49.6
94	43.3	9.6	39.4	43.7	9.8	40.8	46.2	10.3	46.8
1995	50.3	[illegible]	43.3	51.4	10.5	45.8	50.4	10.3	43.7
96	53.5	10.1	39.1	59.6	11.3	50.8	54.9	10.4	41.4
97	54.0	9.5	32.0	67.7	11.9	54.2	59.4	10.4	39.4
98	65.1	10.7	39.2	72.2	11.9	50.2	64.6	10.6	38.4
99	75.9	11.7	45.3	79.2	12.2	50.6	72.9	11.2	41.4
2000	85.3	12.4	49.1	89.9	13.0	56.0	82.5	11.9	44.4

Table A-2 b

Mauritania : Vegetable and Fruit Production (in metric tons)
~~Mauritanie : Production Fruits et Légumes (en Tonnes métriques)~~

Item /article	K- cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Fresh Veg/Lég. F.		1500	1600	1700	1700	1800	2000	2300		
Hectares/Ha		375	400	425	425	450	500	575		
Seed /semences		15	16	17	17	18	20	23		
Waste/déchet		135	144	153	153	162	180	207		
Food /nourrit.	20	1350	1440	1530	1530	1620	1800	2070		
Water-melon/Pastèque		1000	1500	1500	3000	3000	4000	4300		
Hectares		120	200	200	400	400	500	700		
Waste /déchet		100	150	150	300	300	400	430		
Food/nourrit.	14	900	1350	1350	2700	2700	3600	3870		
Food seeds /Gr.A.	519	1200	1400	1600	1600	1800	1800	2000		
Fresh Fruit/Fruits frais		1500	1600	1600	1700	1800	1800	2000		
Hectares		-	-	-	-	-	-	-		
Waste /déchet		150	160	160	170	180	180	200		
Food/nourriture	60	1350	1440	1440	1530	1620	1620	1800		
Dates /Dattes		10400	10400	10600	10000	11000	12000	12000		
Hectares		-	-	-	-	-	-	-		
Waste /déchet		1040	1040	1060	1000	1100	1200	1200		
Food/nourriture	70	9360	9360	9540	9000	9900	10800	10800		
Sum Total		14400	15100	15400	16400	17600	19800	20600		
Hectares		495	600	625	825	850	1000	1275		
Seed /semences		15	16	17	17	18	20	23		
Waste /déchet		1425	1494	1523	1623	1742	1960	2037		
Food /nourriture		12960	13590	13860	14760	15840	17820	18540		
Food seeds		1200	1400	1600	1600	1800	1800	2000		
K- cal, m.		13974	15145	16325	16190	17928	18720	19956		

Source : Derived from FAO 06/28/80 computer print-out.
Tiré du listing informatique FAO 06.28/80.

Table A - 2c

Mauritania : Forecast of Vegetable and Fruit Production (in thousands of metric tons)
Mauritanie : Prévision de Production des Fruits et Légumes (en milliers de tonnes métri.

Année Year	Légume frais Fresh Veg.	Scenario A Pastèque Water melon	Scenario A Fruit Fresh Fruit frias	Dattes Dates	Scenario B Légumes Fresh Veg. Frais	Scenario B Pastèques Water melon ques	Scenario B Fruits Fresh Fruit frais	Scenario B Dattes Dates	Scenario C Légumes Fresh Veg. frais	Scenario C Pastèque Water melon que	Scenario C Fruits Fresh Fruit Frais	Scenario C Dattes Dates
1980	2.30	4.45	2.01	11.2	2.30	4.45	2.01	11.2	2.30	4.45	2.01	11.2
81	2.43	4.67	2.09	11.6	2.42	5.00	2.11	11.5	2.36	4.58	2.06	11.3
82	2.56	4.91	2.16	11.9	2.54	5.58	2.22	11.7	2.41	4.72	2.11	11.4
83	2.69	5.15	2.24	12.2	2.66	6.16	2.33	12.0	2.47	4.86	2.16	11.5
84	2.81	5.41	2.31	12.6	2.80	6.73	2.44	12.3	2.53	5.01	2.22	11.6
1985	2.94	5.63	2.39	12.9	2.94	7.29	2.57	12.6	2.59	5.16	2.27	11.7
86	3.07	5.96	2.46	13.2	3.08	7.85	2.69	12.9	2.65	5.31	2.33	11.8
87	3.20	6.26	2.54	13.5	3.24	8.39	2.83	13.2	2.72	5.47	2.39	11.9
88	3.33	6.59	2.61	13.8	3.40	8.94	2.97	13.5	2.78	5.64	2.45	12.0
89	3.46	6.90	2.69	14.2	3.57	9.47	3.12	13.9	2.85	5.81	2.51	12.1
1990	3.59	7.25	2.76	14.5	3.75	10.01	3.27	14.2	2.92	5.98	2.57	12.2
91	3.71	7.61	2.84	14.8	3.93	10.53	3.44	14.5	2.99	6.16	2.64	12.3
92	3.84	7.99	2.91	15.1	4.13	11.05	3.61	14.9	3.06	6.34	2.70	12.5
93	3.97	8.39	2.99	15.4	4.34	11.56	3.79	15.2	3.19	6.53	2.77	12.6
94	4.10	8.81	3.06	15.8	4.55	12.07	3.98	15.6	3.21	6.73	2.84	12.7
1995	4.23	9.25	3.14	16.1	4.78	12.57	4.18	16.0	3.28	6.93	2.91	12.8
96	4.36	9.71	3.21	16.4	5.02	13.07	4.39	16.4	3.36	7.14	2.98	12.9
97	4.49	10.20	3.29	16.7	5.27	13.56	4.61	16.8	3.44	7.36	3.06	13.0
98	4.61	10.71	3.26	17.0	5.54	14.05	4.84	17.2	3.52	7.58	3.13	13.1
99	4.74	11.24	3.44	17.4	5.81	14.53	5.08	17.6	3.61	7.80	3.21	13.2
2000	4.87	11.81	3.51	17.7	6.10	15.01	5.33	18.0	3.70	8.04	3.29	13.3

Table A - 2e

Mauritania: Forecast of Mellon Seed Production, Food and Kilo-Calories
(in thousands of metric tons)

Mauritanie : Prévision de Production de Graines de Melon, Nourriture et Kilo Calories ('000 T.M.)

	Scenario A		Scenario B		Scenario C	
	Production & Food /Nourrit.	K - cal millions	Production & Food /Nourr.	K - cal millions	Production & Food /Nourrit.	K - cal millions
1980	1.96	10,153	1.96	10,153	1.96	10,153
81	2.08	10,774	2.01	10,412	2.08	10,774
82	2.19	11,344	2.06	10,671	2.20	11,396
83	2.30	11,914	2.11	10,930	2.33	12,069
84	2.41	12,483	2.16	11,189	2.46	12,743
1985	2.51	13,002	2.22	11,500	2.60	13,468
86	2.62	13,572	2.27	11,759	2.75	14,245
87	2.73	14,141	2.33	12,069	2.91	15,074
88	2.84	14,711	2.39	12,380	3.08	15,954
89	2.95	15,281	2.45	12,691	3.26	16,887
1990	3.06	15,851	2.51	13,002	3.45	17,871
91	3.17	16,421	2.57	13,313	3.65	18,907
92	3.27	16,939	2.64	13,675	3.86	19,995
93	3.38	17,508	2.70	13,986	4.09	21,186
94	3.48	18,078	2.77	14,349	4.32	22,378
1995	3.60	18,648	2.84	14,711	4.58	23,724
96	3.71	19,218	2.91	15,074	4.84	25,071
97	3.82	19,788	2.98	15,436	5.12	26,522
98	3.93	20,357	3.06	15,851	5.42	28,076
99	4.03	20,875	3.13	16,213	5.73	29,681
2000	4.14	21,445	3.21	16,628	6.07	31,443

Table A - 3a

Mauritania: Pulses Production (in metric tons)
Mauritanie : Production de Légumineuses (en tonnes métriques)

Item	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Cowpeas, dry /Pois chiche secs		15,000	9,400	10,000	10,000	10,000	9,000
Hectares		34,000	27,000	30,000	30,000	29,000	25,000
Seeds /semences		1,080	1,200	1,200	1,150	1,000	400
Waste /déchet		1,500	1,140	1,050	1,050	1,050	900
Food /nourrit.	168	8,920	9,060	8,250	8,290	8,450	7,700
Δ Stock		-3,500	+2,000	+500	+500	+500	
Other Pulses /Autres Légumineuses		9,000	9,500	10,000	10,000	10,000	8,000
Hectares		23,000	23,000	25,000	25,000	26,000	23,000
Seed /semences		1,150	1,250	1,250	1,300	1,150	1,050
Waste /déchet		899	949	1,000	1,000	1,000	800
Food /Nourrit.	168	6,951	7,301	7,750	7,700	7,850	6,150
Pulses /légumineuses		24,000	18,900	20,000	20,000	20,000	17,000
Hectares		57,000	50,000	55,000	55,000	55,000	48,000
Seed /semence		2,230	2,450	2,450	2,460	2,150	1,450
Waste /déchet		2,399	2,089	2,050	2,050	2,050	1,700
Food /nourriture		15,671	16,361	16,000	15,990	16,300	13,650
Δ Stock		-3,500	+2,000	+ 500	+500	+500	
K - cal		26,063	27,486	26,880	26,863	27,384	23,268
Δ Stock		-5,880	+3,360	+840	+840	+840	

Source: Derived from FAO 06/28/80 computer printout.
Tiré du listing informatique FAO 06/28/80.

Table A - 3b

Mauritanie : Production des Légumineuses (en tonnes métriques)

Mauritania: Pulses Production (in metric tons)

Item	K - cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980
Cow peas, dry / Pois chiche secs		2,060	4,000	8,300	10,000	12,000	13,000	14,000	
Hectares		10,000	16,000	25,000	29,400	35,000	36,000	37,000	
Seed /semences		640	1,000	1,176	1,400	1,440	1,480	1,480	
Waste /déchet		206	400	830	1,000	1,200	1,300	1,400	
Food /nourriture	166	1,214	2,600	6,294	7,600	9,360	10,220	11,120	
Other Pulses / Autres Légumineuses		5,000	6,500	9,000	10,000	10,500	11,500	12,000	
Hectares		21,000	21,000	24,000	25,000	25,000	26,000	26,000	
Seed/semences		1,050	1,200	1,250	1,250	1,300	1,300	1,300	
Waste /déchet		441	597	900	1,000	1,050	1,150	1,200	
Food /Nourrit.	168	3,509	4,703	6,850	7,750	8,150	9,050	9,500	
Pulses /Légumineuses		7,060	10,500	17,300	20,000	22,500	24,500	26,000	
Hectares		31,000	37,000	49,000	54,400	60,000	62,000	63,000	
Seed /smences		1,690	2,200	2,426	2,650	2,740	2,780	2,780	
Waste /déchet		647	997	1,730	2,000	2,250	2,450	2,600	
Food /nourriture		4,723	7,303	13,144	15,350	17,510	19,270	20,620	
K - cal, m.		7,935	12,269	22,082	25,788	29,417	32,374	34,642	

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique FAO 06/28/80.

Table A - 3c

Mauritania Forecast of Pulses Production (in thousands of metric tons)

Mauritanie : Prévision de Production des Légumineuses (en milliers de tonnes métriques)

Année / Year	Scenario A	Scenario B	Scenario C
1980	23.5	23.5	23.5
81	26.2	26.2	26.2
82	28.4	29.0	27.4
83	30.3	28.7	28.7
84	30.8	29.0	29.5
1985	31.2	29.7	31.7
86	31.4	30.5	34.0
87	33.0	28.5	35.8
88	35.4	32.2	35.6
89	35.6	35.2	36.8
1990	35.7	37.3	39.3
91	39.0	36.4	41.2
92	39.7	37.5	41.0
93	39.2	39.2	42.4
94	39.5	40.2	42.4
1995	42.3	43.2	42.4
96	41.5	46.3	42.5
97	38.8	48.7	42.8
98	43.7	48.4	43.3
99	47.7	49.8	45.8
2000	50.6	53.3	48.4

Table A - 4a

Mauritania : Root Crop Production (in metric tons)

Mauritanie : Production de Plants à Tubercules (en tonnes métriques)

Item /Article	K-cal 100 g.	1967	1968	1969	1970	1971	1972
Potatoes/Pommes de terre		2,100	2,000	2,100	2,100	2,000	1,800
Hectares		100	100	100	100	100	100
Seed /semences		80	80	80	80	80	80
Waste /déchet		209	199	209	207	196	175
Food /nourriture	71	1,811	1,721	1,811	1,813	1,724	1,545
Sweet Potatoes/Patates douces		2,100	2,000	2,100	2,000	2,000	1,800
Hectares		200	200	300	300	370	410
Waste/déchet		210	200	210	200	200	180
Food /nourriture	90	1,890	1,800	1,890	1,800	1,800	1,620
Yams /ignames		2,100	2,000	2,100	2,100	2,100	1,900
Hectares		300	200	300	300	300	310
Waste/déchet		210	200	210	210	210	190
Food /nourriture	90	1,890	1,800	1,890	1,890	1,890	1,710
Root Crops /Plantes à tubercules		6,300	6,000	6,300	6,200	6,100	5,500
Hectares		600	600	700	700	770	820
Seed /semences		80	80	80	80	80	80
Waste /déchet		620	599	620	617	606	545
Food /nourriture		5,591	5,321	5,591	5,503	5,4[illegible]	4,875
K - cal, m.		4,915	4,670	4,915	4,830	4,766	4,294

Source : Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique FAO 06/28/80.

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Table A-4b

Mauritania : Root Crop Production (in metric tons)
Mauritanie : Productions de Plantes à Tubercules (en tonnes métriques)

Item /Article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	19
Pomme de terre Potatoes										
Hectares		1500	1600	1800	2500	2500	4160	4000		
Seed/semences		100	120	150	200	200	250	300		
Waste/déchet		96	120	160	160	200	240	280		
Food /nourrit.	71	144	152	174	244	243	410	390		
Patates douces Sweet Potatoes		1260	1328	1466	2096	2057	3510	3330		
Hectares		700	1600	1700	1700	1800	1800	2000		
Waste /déchet		200	430	440	450	460	460	500		
Food /nourrit.	96	70	160	170	170	180	180	200		
Yams /ignames		630	1440	1530	1530	1620	1620	1800		
Hectares		1700	1800	1800	1900	2000	2000	2000		
Waste /déchets		320	320	330	340	350	350	350		
Food /nourrit.	96	170	180	180	190	200	200	200		
Plantes à tuber. Root Crops		1530	1620	1620	1710	1800	1800	1800		
Hectares		3900	5000	5300	6100	6300	7960	8000		
Seed /semences		620	870	920	990	1010	1060	1150		
Waste /déchet		96	120	160	160	200	240	280		
Food /nourrit.		384	492	524	604	623	790	790		
		3420	4388	4616	5336	5477	6930	6930		
K - cal, m		2968	3880	4065	4599	4744	5775	5820		

Source : Derived from FAO 06/26/80 computer print-out.

Tiré du listing informatique FAO 06/28/80.

Table A - 4c

Mauritania : Forecast of Root Crop Production (in thousands of metric tons)
Mauritanie : Prévision de Production de Plantes à Tubercules (en tonnes métriques)

Année Year	Scenario A: Pomme de terre White Potatoes	Scenario A: Patates douces Sw. Pot & Yams Ignames	Scenario B: Pomme de terre White Potatoes	Scenario B: Patates douces Sw. Pot. & Yams Ignames	Scenario C: Pomme de terre White Potatoes	Scenario C: Patates douces Sw. Pot. & Yams Ignames
1980	3.8	3.80	3.8	3.80	3.8	3.80
81	4.6	4.26	4.6	4.26	4.6	4.26
82	5.3	4.63	5.4	4.72	5.1	4.47
83	5.9	4.94	5.9	4.69	5.5	4.58
84	6.4	5.25	6.5	4.75	5.1	4.83
1985	6.7	5.14	6.7	5.23	6.8	5.21
86	7.5	5.18	7.6	5.03	7.5	5.21
87	7.6	5.47	8.0	4.72	8.3	5.93
88	8.4	5.88	7.7	5.34	8.5	5.92
89	8.7	5.92	8.8	5.86	9.0	6.13
1990	9.0	5.97	9.4	6.24	9.9	6.57
91	10.0	6.54	9.3	6.10	10.5	6.91
92	10.4	6.68	9.9	6.32	11.0	7.06
93	10.6	6.61	10.4	6.61	11.3	7.16
94	10.7	6.70	10.9	6.82	11.5	7.20
1995	11.6	7.12	11.8	7.35	11.9	7.22
96	11.5	7.08	12.9	7.90	11:8	7.26
97	12.5	6.65	13.7	8.34	12.3	7.33
98	12.4	7.51	13.7	8.32	13.1	7.44
99	13.6	8.23	14.3	8.61		7.90
2000	14.6	8.75	15.4	9.23	14.0	8.31

Table A - 5a

Mauritania: Groundnuts, Oil and Meal Production (in metric tons)

Mauritanie : Production Huile et Tourteaux (en tonnes métrique)

Item/Article	K - cal 100 g.	1967	1968	1969	1970	1971	1972
In Shell /En cocque		800	700	1,000	3,000	2,000	1,000
Hectares		1,600	1,700	1,900	6,000	4,000	2,000
Seed/semences		119	133	420	280	140	119
Waste/déchet		16	16	20	60	40	20
Δ Stocks			+100				
Shelling Input/Intrant en décortiquant		665	651	560	2,660	1,820	861
Shells/cocques		199	195	168	798	546	258
Shelled/décortiqués		466	456	392	1,862	1,274	603
Food Use/Usage aliment.549		250	260	190	250	250	200
Oilmill, Input/Intrant machine à huile		216	196	202	1,612	1,024	403
Feed Cake/Tourteaux		91	82	85	677	430	169
Waste /déchet		28	26	26	210	133	53
Oil/Food/huile/nourrit.884		97	88	91	725	461	181
K - cal, m.		2,230	2,205	1,848	7,782	5,448	2,698

Source: Derived from FAO 06/28/80 computer printout

Tiré du listing informatique FAO 06/28/80.

Table A - 5c & d

Mauritania: Forecast of Groundnut Production, Food and Kilo-Calories

(in thousands of metric tons and million of kilo-calorie)

(Voir ci-dessous titre) en français

Année Year	Scenario A Production	Scenario A Food Nourriture	Scenario A K-cal	Scenario B Production	Scenario B Food Nourriture	Scenario B K-cal	Scenario C Production	Scenario C Food Nourriture	Scenario C K-cal
1980	3.24	.94	7,763	3.24	.94	7,763	3.24	.94	7,763
81	3.67	1.06	8,794	3.67	1.06	8,794	3.67	1.06	8,794
82	4.03	1.17	9,656	4.11	1.19	9,848	3.89	1.13	9,321
83	4.34	1.26	10,399	4.11	1.19	9,848	4.11	1.19	9,848
84	4.47	1.30	10,711	4.21	1.22	10,088	4.23	1.24	10,255
1985	4.58	1.33	10,974	4.54	1.32	10,878	4.64	1.35	11,118
86	4.64	1.35	11,118	4.51	1.31	10,806	5.03	1.46	12,052
87	4.92	1.43	11,789	4.25	1.23	10,183	5.33	1.55	12,771
88	5.31	1.54	12,723	4.82	1.40	11,549	5.34	1.55	12,795
89	5.36	1.55	12,843	5.30	1.54	12,699	5.54	1.61	13,274
1990	5.41	1.57	12,963	5.65	1.64	13,538	5.96	1.73	14,281
91	5.93	1.72	14,209	5.53	1.60	13,250	6.27	1.82	15,024
92	6.05	1.75	14,496	5.73	1.66	13,730	6.40	1.86	15,335
93	5.99	1.74	14,353	5.99	1.74	14,353	6.48	1.88	15,527
94	6.06	1.76	14,520	6.16	1.79	14,760	6.51	1.89	15,599
95	6.47	1.88	15,551	6.63	1.92	15,836	6.51	1.89	15,599
96	6.37	1.85	15,263	7.11	2.06	17,036	6.54	1.90	15,670
97	5.96	1.73	14,281	7.48	2.17	17,923	6.57	1.91	15,742
98	6.71	1.95	16,078	7.43	2.15	17,803	6.65	1.93	15,934
99	7.31	2.12	17,515	7.65	2.22	18,330	7.03	2.04	16,845
2000	7.74	2.24	18,546	8.16	2.37	19,552	7.41	2.15	17,755

Mauritanie : Prévision de Production d'Arachide, Nourriture et Kilo Calorie

(en milliers de tonnes métriques et en millions de kilo-calorie)

Table A-5 b

Mauritania : Groundnuts, Oil and Meal Production (in metric tons)
Mauritanie : Production d'Arachides, Huile et Tourteaux (en tonnes)

Item /Articles	K- cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
In shell/en cocque		980	1000	2000	3000	3000	3200	3500		
Hectares		1700	2000	4000	4500	4500	4700	5000		
Seed /semences		140	280	315	315	329	350	350		
Waste /déchet		20	20	39	59	60	64	70		
Intrant en décorti. Shelling input		620	700	1646	2626	2611	2786	3080		
Shells/cocques		46	210	494	788	783	836	924		
Shelled /Décort.		574	490	1152	1838	1828	1950	2156		
Food use Usage Al.	549	150	150	150	150	150	150	150		
Intrant machine à huile Oil mill input		424	340	1002	1688	1678	1800	2006		
Feed cake/tourteaux		178	143	421	709	705	756	906		
Waste/déchet		55	44	130	220	218	234	347		
Oil/Food	884	191	153	451	759	755	810	753		
K-cal, m.		2512	2176	4810	7533	7498	7984	7480		

Source: Derived from FAO 06/28/80computer print-out.

Tiré du listing informatique FAO 06/28/80

Table A - 6a

Mauritania: Total Livestock Production and Off-Take (in thousands of head)
Mauritanie : Production Totale de l'Elevage et Taux d'Exportation (en milliers de têtes)

Year Année	Cattle Production Gross brute Production	Cattle Total Off-Take	Cattle Troupeau Ending Herd /Restant	Sheep/Moutons Gross Production	Sheep/Moutons Total Off-Take	Sheep/Moutons Ending Flock /Troupeau Restant
1967	314	197	2,507	1,418	1,055	4,663
68	-31	190	2,286	685	1,059	4,289
69	314	197	2,403	1,403	1,091	4,602
1970	100	193	2,310	989	1,106	4,476
71	-61	182	2,067	548	990	4,034
72	-369	154	1,544	-286	843	2,905
73	-231	140	1,173	-51	785	2,149
74	168	143	1,198	723	597	2,275
1975	173	146	1,225	763	614	2,424
76	200	150	1,275	892	636	2,680
77	-23	144	1,102	339	637	2,382
78	194	146	1,150	886	659	2,609
79	200	148	1,202	964	684	2,889

Source : Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique FAO 06/28/80.

Table A - 6b

Mauritania : Total Livestock Production and Off-Take (in thousands of head)
Mauritanie : Totale Totale de l'Elevage Taux d'Ecploitation (en milliers de têtes)

nnée ear	Goats/chèvres Production Gross brute Production	Goats/chèvres Total Off-take	Goats/chèvres Ending /Troupeau Herd Restant	Camels Chameaux Production Gross brute Production	Camels Chameaux Total Off-take	Camels Chameaux Ending /Troupeau Herd /restant
967	853	763	2,790	72	49	673
68	785	778	2,797	56	50	679
69	877	795	2,879	75	52	702
970	907	815	2,971	76	52	726
71	800	714	3,056	53	53	726
72	62	644	2,475	0	54	672
73	140	577	2,038	10	55	627
74	632	589	2,081	70	56	641
975	656	603	2,134	72	57	656
76	753	620	2,267	79	58	677
77	659	633	2,293	50	59	668
78	817	653	2,456	81	61	688
79	870	675	2,650	83	63	708

ource: Derived from FAO 06/28/80 computer printout.
Tiré du listing informatique FAO 06/28/80.

Table A - 7a

Mauritania: Products of Cattle (Domestic)

Mauritanie : Produits du Bétail (domestiques)

Item / Article	K - cal 100 g.	1967	1968	1969	1970	197
Bétail abattu, Cattle, Slaughter, 000		98	100	102	101	10
Carcasse/ Carcass, Wt. Kg.		120	120	120	120	12
Nourriture / Food, MT, 000	159	11.76	12.00	12.24	12.12	11.0
Trijaille/Offal, Wt. Kg.		24	24	24	24	2
Nourriture / Food, MT, 000	95	2.35	2.40	2.45	2.42	2.4
Graisse/ Fat, Wt. Kg.		3.6	3.6	3.6	3.6	3.
Nourriture / Food, MT, 000	685	.35	.36	.37	.36	.36
K - cal, m.		23,328	23,826	24,324	24,036	22,236
Lait / Milk Cattle, 000		314	288	314	309	268
Rendement/ Yield, Kg.		500	500	500	500	500
Production, MT, 000		157.0	144.0	157.0	154.5	134.0
Veaux/ To Calves (150 Kg.)		47.1	43.2	47.1	46.3	40.2
Déchet/ Waste (35 Kg.)		5.5	5.0	5.5	5.4	4.7
Nette/Pro. Net Production, MT, 000	92	104.4	95.8	104.4	102.8	89.1
Food, MT, 000 /Nourriture		83.5	76.6	83.5	82.2	71.3
K - cal, m,		96,048	88,136	96,048	94,576	81,972
Intrant au beurre Input to Butter, MT, 000		20.9	19.2	20.9	20.6	17.8
Extrait/ Extract, Wt. Kg.		4.2	4.2	4.2	4.2	4.2
Food, MT, 000 /Nourriture		0.88	0.81	0.88	0.87	0.75
Intrant au fromage Input to Cheese, MT, 000		20.9	19.2	20.9	20.6	17.8
Extract, Wt. Kg./Extrait		125	125	125	125	125
Food, MT, 000 /Nourriture		2.61	2.40	2.61	2.58	2.23
Cuirs, abattu Hides, Slaughter, 000		98	100	102	101	100
Waste /déchet		20	20	20	20	20
Utilized /Utilisé		78	80	82	81	80

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique FAO 06/28/80.

Table A - 7b

Mauritania: Products of Cattle (Domestic)

Mauritanie : Produits du Bétail (domestiques)

Item/Article	K - cal 100 g.	1974	1975	1976	1977
Bétail abattu					
Cattle, Slaughter, 000		95	97	99	100
Carcass, Wt. Kg. /Carcasse		100	105	110	120
Food, MT /Nourriture	159	9.50	10.19	10.89	12.00
Offal, Wt. Kg./trijaille		24	24	24	24
Food, MT /Nourriture	95	2.28	2.33	2.38	2.40
Fat, Wt. Kg. /Graisse		3.6	3.6	3.6	3.6
Food, MT/Nourriture	685	0.34	0.35	0.36	0.36
K - cal, m.		19,600	20,813	22,042	23,826
Milk Cattle, 000 /Lait animaux		168	173	200	171
Yield, Kg/rendement		500	500	500	500
Production, MT		84.0	86.5	100.0	85.5
To Calves (150 kg.) /Veaux		25.2	25.9	30.0	25.6
Waste/déchet		2.9	3.0	3.5	3.0
Nette Pr./Net Production MT 000	92	55.9	57.6	66.5	56.9
Food, MT, 000/Nourriture		44.7	46.1	53.2	45.5
K - cal, m.		51,428	52,992	61,180	52,348
Intrant au beurre					
Input to Butter, MT		11.2	11.5	13.3	11.4
Extract Wt. Kg./Extrait		4.2	4.2	4.2	4.2
Food, MT /Nourriture		0.47	0.48	0.56	0.48
Intrant au fromage					
Input to Cheese, MT		11.9	11.5	13.3	11.4
Extract Wt. Kg./Extrait		125	125	125	125
Food, MT/Nourriture		1.49	1.44	1.66	1.43
Cuirs abattu					
Hides, Slaughter, 000		95	97	99	100
Waste /déchet		19	19	20	20
Utilized, 000 /Utilisé		76	78	79	80

Source: Derived from FAO 06/28/80, computer printout.

Tiré du listing informatique, FAO 06/28/80.

Table A - 7c

Mauritania : Forecast of Cattle Production and Off-Take (in
Mauritanie : Prévision de Production de Bétail et Taux d'Exp

Année Year	Product. Gross Prod. brute	Scenario A Off /taux Take /d'Exp.	Troupeau Ending Herd /rest.	Production Gross Prod./bru.	Scenario B Off /Taux take /d'Exp.	Troupeau Ending Herd /Rest.	Production Gross Prod. brute	Scenario Of ta
1980	-2	141	1,060	-2	141	1,060	-2	14
81	174	140	1,094	174	140	1,094	174	14
82	187	140	1,141	182	140	1,136	194	14
83	79	135	1,085	49	134	1,051	203	14
84	187	135	1,132	17	127	942	116	14
1985	97	132	1,101	164	126	980	214	14
86	57	127	1,032	42	121	907	213	14
87	183	127	1,080	-67	112	722	234	14
88	190	133	1,150	120	111	730	91	14
89	92	124	1,178	125	110	745	94	14
1990	52	120	1,050	132	110	757	234	14
91	180	120	1,109	36	108	697	250	14
92	118	119	1,109	32	102	628	185	14
93	52	115	1,046	113	101	640	115	14
94	40	111	975	77	99	617	98	13
1995	173	111	1,036	108	98	627	68	13
96	66	108	994	111	90	640	67	13
97	-54	102	837	115	87	658	96	12
98	141	102	876	56	85	619	101	12
99	152	102	926	52	83	578	225	12
2000	166	103	990	103	82	589	233	13

Table A - 9a

Mauritanie : Produits des Moutons (domestiques)
Mauritania: Products of Sheep (Domestic)

Item	K - cal 100 g.	1967	1968	1969	1970	1971
Moutons abattus						
Sheep Slaughter, 000		870	890	909	930	831
Carcasse/Carcass Wt. Kg.		10	10	10	10	10
Nourriture/ Food, MT, 000	199	8.70	8.90	9.09	9.30	8.31
Trijail./Offal, Wt. Kg.		2	2	2	2	2
Nourriture/ Food, MT, 000	95	1.74	1.78	1.82	1.86	1.66
Graisse/ Fat, Wt. Kg.		.3	.3	.3	.3	.3
Nourrit. / Food, MT, 000	685	.26	.27	.27	.28	.25
Milk, Sheep, 000 /Lait brebis		1,418	1,279	1,403	1,380	1,185
Yield /rendement		105	105	105	105	105
Production, MT, 000		148.9	134.3	147.3	144.9	124.4
To Lambs /Agneaux		70.9	64.0	70.2	69.0	59.3
Waste/déchet		7.4	6.7	7.4	7.2	6.2
Food, MT, 000 /nourriture	83	63.5	57.3	62.8	61.8	53.1
Wool, Sheep, 00 /laine moutons		3,247	3,010	3,199	3,096	2,849
Yield, Wt. Kg./rendement		.4	.4	.4	.4	.4
Utilized. MT, 000 Utilisé		1.30	1.20	1.28	1.24	1.14
Peaux abattu Skin, Slaughter, 000		870	890	909	930	831
Waste /déchets		87	89	91	93	83
Utilized, 000 /utilisés		783	801	818	837	748
K - cal, m;		73,452	68,811	73,792	73,486	63,899

Source: Derived from FAO 06/28/80 computer printout.
Tiré du listing informatique FAO 06/28/80.

Table A - 9b

Mauritanie : Produits des Moutons (domestiques)

Mauritania: Products of Sheep (Domestic)

Item/Article	K - cal 100 g.	1974	1975	1976	19
Moutons abattus					
Sheep Slaughter, 000/Carcasse		507	518	530	5
Carcass, Wt. Kg./Nourriture		10	10	10	
Food, MT, 000	199	5.07	5.18	5.30	5.
Offal, Wt. Kg./Trijailles		2	2	2	
Food, MT, 000/Nourrit.	95	1.01	1.04	1.06	1.
Fat, Wt. Kg./Graisse		.3	.3	.3	
Food, MT, 000/Nourrit.	685	.15	.16	.16	.
Milk, Sheep, 000/Lait brebis		723	763	892	7
Yield, Kg/rendement		100	100	100	1
Production, MT, 000		72.3	76.3	89.2	76
To Lambs /agneaux		36.2	38.2	44.6	38
Waste /déchet		3.6	3.8	4.5	3
Food, MT, 000/nourriture	83	32.6	34.4	40.1	34
Wool, Sheep, 000/laine de moutons		1,552	1,661	1,788	1,6
Yield Wt. Kg/rendement		.4	.4	.4	
Utilized, MT, 000/utilisé		.62	.66	.72	.
Skins, Slaughter, 000/peaux abattues		507	518	530	5
Waste /déchets		51	52	53	5
Utilized, 000/utilisés		456	466	477	48
K - cal, m.		39,134	40,944	45,933	41,40

Source: Derived from 06/28/80 computer printout.
Tiré du listing informatique FAO 06/28/80.

Table A - 9c

Mauritania : Forecast of Sheep Production and Off

Année Year	Scenario A Produ. Gross Prod. brute	Scenario A Off /taux take d'Exploit.	Scenario A Troupeaux Ending Flock restant	Scenario B Produc. Gross Prod. brute	Scenario B Off /taux take d'exploit.	Scenario B Troupeau Ending Flock /restant	Produc Gros Prod brut
1980	481	736	2,634	481	736	2,634	48
81	1,048	770	2,912	1,048	770	2,912	1,04
82	1,121	807	3,226	1,239	814	3,337	93
83	799	819	3,206	715	821	3,232	1,13
84	1,231	860	3,577	635	828	3,047	79
1985	939	879	3,637	1,203	860	3,390	1,20
86	531	875	3,393	699	863	3,226	1,40
87	1,270	917	3,746	235	832	2,629	1,56
88	1,430	967	4,209	1,087	865	2,851	85
89	1,034	986	4,257	1,154	899	3,106	89
1990	658	978	3,937	1,217	936	3,387	1,07
91	1,534	1,032	4,438	675	933	3,129	1,86
92	1,212	1,060	4,590	664	930	2,862	1,27
93	669	1,049	4,211	1,106	955	3,015	1,00
94	558	1,031	3,738	862	968	2,904	83
1995	1,420	1,075	4,083	1,157	990	3,064	69
96	662	1,077	3,868	1,216	1,030	3,249	67
97	39	1,022	2,887	1,267	1,064	3,451	80
98	1,149	1,049	2,985	808	1,064	3,195	8
99	1,102	1,075	3,073	780	1,063	2,912	1,29
2000	1,153	1,099	3,130	1,155	1,080	2,979	1,31

Mauritanie : Prévision de Production des Moutons T

(en milliers de têtes

Table A - 11a

Mauritania : Products of Goats
Mauritanie : Produits des Chèvre

Item/article	K - cal 100 g.	1967	1968	1969	1970	197
Chèvre abattue Goat Slaughter, 000		653	667	682	697	594
Carcasse /Carcass, Wt Kg.		9	9	9	9	9
Nourriture /Food MT, 000	134	5.88	6.00	6.14	6.27	5.35
Trijailles/Offal, Wt Kg.		2	2	2	2	2
Nourriture /Food MT, 000	95	1.31	1.33	1.36	1.39	1.19
Graisse /Fat, Wt. Kg.		.3	.3	.3	.3	.3
Nourriture / Food MT, 000	685	.20	.20	.20	.21	.18
Milk, Goats, 000 /lait chèvres		853	879	877	946	922
Yield, Kg. /rendement		120	120	120	120	120
Production MT, 000		102.4	105.5	105.2	113.5	110.6
To Kids /cabris		51.2	52.7	52.6	56.8	55.3
Waste /déchet		5.1	5.3	5.3	5.7	5.5
Food MT, 000 /nourriture	85	46.1	47.5	47.3	51.0	49.8
Wool, Goats, 000 /laine chèvres		1,937	1,918	2,002	2,025	2,134
Yield, Wt. Kg/rendement		.4	.4	.4	.4	.4
Utilized MT , 000 /utilisés		.77	.77	.80	.80	.85
Skins, Slaughter, 000 /peaux abattues		653	667	682	697	594
Waste /déchet		65	67	68	70	59
Utilized, 000 /utilisés		588	600	614	627	535
K - cal, m.		49,679	51,049	51,095	54,511	51,863

Source : Derived from FAO 06/28/80 computer printout.

Source : Tiré du listing informatique FAO, 06/28/80.

Table A - 11b

Mauritanie : Produits de Chèvres (domestiques)

Mauritania: Products of Goats (Domestic)

Item /Article	K - cal 100 g.	1974	1975	1976	1977
Chèvres abattues					
Goat, Slaughter, 000 /		507	518	530	543
Carcass, Wt. Kg./Carcasse		9	9	9	9
Nourriture / Food, MT, 000	134	4.56	4.66	4.77	4.89
Trijaill.Offal, Wt. Kg.		2	2	2	2
Nourriture/ Food, MT, 000	95	1.01	1.04	1.06	1.09
Fat, Wt. Kg./graisse		.3	.3	.3	.3
Nourriture / Food, MT, 000	685	.15	.16	.16	.16
Milk, Goats, 000 /lait chèvres		623	656	753	769
Yield, Kg. /rendements		120	120	120	120
Production, MT, 000		74.8	78.7	90.4	92.3
To Kids /cabris		37.4	39.4	45.2	46.1
Waste /déchet		3.7	3.9	4.5	4.6
Nourriture / Food, MT, 000	85	33.7	35.4	40.7	41.6
Wool, Goats, 000 /laine chèvre		1,449	1,478	1,514	1,524
Yield, Wt. Kg. /rendement		.4	.4	.4	.4
Utilized, 000 /utilisé		.58	.59	.61	.61
Skins, Slaughter, 000 .peaux abattues		507	518	530	543
Waste /déchet		51	52	53	54
Utilized /utilisé		456	466	477	489
K - cal, m.		36,742	38,418	43,090	44,044

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique FAO, 06/28/80.

Table a - 11c

Mauritania : Forecast of Goat Production and Off-

Année Year	Scenario A Prod. Gross Prod. brute	Off/taux take d'Expl.	Troupeau Ending Herd/restant	Scenario B Prod. Gross Prod. brute	Off/taux take d'expl.	Troupeau Ending Herd/restant	Pr Gr br
1980	589	727	2,513	589	727	2,513	
81	930	752	2,691	930	752	2,691	
82	979	779	2,891	1,068	789	2,979	
83	757	789	2,859	784	797	2,966	
84	1,040	818	3,080	685	801	2,850	
1985	927	831	3,077	1,034	820	3,055	1,
86	759	838	2,996	790	839	3,006	1,
87	1,072	867	3,206	509	828	2,687	1,
88	1,133	901	3,468	999	853	2,833	
89	899	914	3,453	1,041	878	2,995	
1990	820	920	3,353	1,083	907	3,173	1
91	1,229	956	3,626	805	913	3,063	1
92	936	972	3,641	731	914	2,880	1
93	850	977	3,513	1,034	937	2,977	1
94	797	979	3,331	881	948	2,910	
1995	1,006	1,010	3,523	1,061	970	3,001	
96	849	1,014	3,361	1,092	994	3,099	
97	555	997	2,919	1,117	1,010	3,198	
98	1,052	1,019	2,982	861	1,023	3,036	
99	1,083	1,041	3,035	772	1,022	2,786	1
2000	1,094	1,061	3,068	1,013	1,000	2,762	1

Mauritanie : Prévision de Production de Chèvres, Taux d'Exploitat

Table A - 13a

Mauritania : Products of Camels (Domestic
Mauritanie : Produits des Chameaux (domesti

Item /Article	K - cal 100 g.	1967	1968	1969	1970	1971
Chameaux abattus						
Camels, Slaughter, 000		44	44	46	46	47
Carcass, Wt. Kg./Carcasse		150	150	150	150	150
Food MT, 000 /Nourri.	85	6.60	6.60	6.90	6.90	7.05
Offal, Wt. Kg./Trijailles		30	30	30	30	30
Food MT, 000/nourrit.	95	1.32	1.32	1.38	1.38	1.41
Fat, Wt. Kg./ graisse		5	5	5	5	5
Food MT, 000 /Nourr.	685	.22	.22	.23	.23	.24
Milk, Camels, 000 /Lait chameaux		72	72	75	78	78
Yield, Kg./rendement		530	530	530	530	530
Production MT, 000		38.2	38.2	39.8	41.3	40.[illegible]
To Calves/Veaux		20.2	20.2	21.0	21.8	21.[illegible]
Waste /déchet		1.9	1.9	2.0	2.1	2.[illegible]
Food MT, 000 /nourriture	63	16.1	16.1	16.8	17.4	17.[illegible]
Hair, Camels, 000 /Poils de chameaux		601	607	627	648	65[illegible]
Yield, Kg./rendement		.5	.5	.5	.5	.[illegible]
Utilized MT, 000/utilisé		.30	.30	.31	.32	.3[illegible]
Hides, Slaughter, 000 /cuirs abattus		44	44	46	46	4[illegible]
Waste /déchet		9	9	9	9	9
Utilized, 000 /utilisé		35	35	37	37	3[illegible]
K - cal, m.		18,514	18,514	19,336	19,714	19,68[illegible]

Source : Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique FAO 06/28/80.

Table A - 13b

Mauritania: Products of Camel: (Domestic)

Mauritanie : Produits des Chameaux (domestique)

Item /Article	K - cal 100 g.	1974	1975	1976	197
Chameaux abattus					
Camel, Slaughter, 000		51	52	53	54
Carcass, Wt. Kg./Carcasse		150	150	150	150
Nourriture/Food, MT, 000	85	7.65	7.80	7.95	8.10
Trijaille/Offal, Wt. Kg.		30	30	30	30
Nourriture/ Food, MT, 000	95	1.53	1.56	1.59	1.62
Fat, Wt. Kg./Graisse		5	5	5	5
Nourriture/Food, MT, 000	685	.26	.26	.27	.27
Milk, Camels, 000 /Lait chamelles		70	72	79	76
Yield, Kg. /rendement		530	530	530	530
Production, MT, 000		37.1	38.2	41.9	40.3
To Calves/chamelons		19.6	20.2	22.1	21.3
Waste /déchet		1.9	1.9	2.1	2.0
Food, MT, 000 /nourritu.	63	15.6	16.1	17.7	17.0
Hair, Camels, 000 / Poils chameaux		571	584	598	592
Yield, Kg./rendement		.5	.5	.5	.5
Utilized, MT, 000 /utilisé		.29	.29	.30	.30
Hides, Slaughter, 000 /cuirs abattus		51	52	53	54
Waste /déchet		10	10	11	11
Utilized, 000 /utilisés		41	42	42	43
K - cal, m.		19,565	20,036	21,269	20,984

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique, FAO 06/28/80.

Table A - 13c

Mauritania: Forecast of Camel Production and Off-Take

Mauritanie : Prévision de Production du Chameau et Taux

Année Year	Scenario A Prod. Gross Prod. brute	Off-Take d'Exp.	Troupeau Ending Herd Restant	Scenario B Prod. Gross Prod. brute	Off-Take d'Exp.	Troupeau Ending Herd restant
1980	11	63	656	11	63	656
81	83	64	675	83	64	675
82	85	64	695	86	64	700
83	51	64	681	34	63	671
84	85	65	702	61	63	669
1985	58	65	695	83	64	689
86	62	65	691	29	63	655
87	86	66	710	32	62	625
88	89	66	733	80	63	642
89	51	67	717	81	64	660
1990	64	67	714	82	64	678
91	90	67	736	24	63	638
92	64	68	733	66	63	641
93	56	68	722	79	64	656
94	66	68	720	63	64	655
1995	80	69	741	82	65	672
96	31	69	703	84	66	690
97	35	69	669	86	67	709
98	85	69	685	40	66	683
99	86	70	701	72	67	688
2000	87	70	718	86	67	706

Table A-15a

Mauritania : Poultry and Egg Production
Mauritanie : Production de Volaille et d'Oeufs

	K - cal 100 g.	1967	1968	1969	1970	1971	1972	1973
Volée nationale (milliers) National Flock (Thousands)		2,200	2,300	2,400	2,500	2,600	2,700	2,700
Pondeuses (milliers) Layers (Thousands)		1,100	1,150	1,200	1,250	1,300	1,350	1,350
Oeufs produits (millions) Eggs Produced (Millions)		53.41	53.83	58.26	60.69	63.12	65.54	65.54
Oeufs disponibles à la consommation Eggs Available for Consumption (millions) (millions)		42.73	44.17	46.60	48.85	50.50	52.44	52.44
Oeufs de consommation en T.M. Metric Tons Eggs for Consumption (350)	145	1,496	1,546	1,631	1,699	1,768	1,835	1,835
Facteur de déchet (millions) Waste Factor (millions)		5.34	5.58	5.83	6.07	6.31	6.55	6.55
Oeufs à couver (millions) Eggs Set for Hatching (millions)		5.34	5.58	5.83	6.07	6.31	6.55	6.55
Production de poussins (milliers) Baby Chick Production (Thousands)		2,350	2,455	2,565	2,671	2,776	2,882	2,882
Mortalité de poussins (milliers) Baby Chick Mortality (Thousands)		107	112	117	121	126	131	131
Nombre de volailles abattues (milliers) Number of Birds Slaughtered (Thousands)		2,243	2,343	2,448	2,550	2,650	2,751	2,751
Poids de la Carcasse Carcass Weight		.8	.8	.8	.8	.8	.8	.8
Production de viande de volaille Poultry Meat Production (MT)	165	1,794	1,874	1,958	2,040	2,120	2,200	2,200
K - cal, m.		5,128	5,334	5,598	5,830	6,062	6,291	6,291

Source: Derived from FAO 06/28/80 computer printout

Tiré du listing informatique FAO, 06/28/80.

Table A - 15b

Mauritania : Poultry and Egg Production

Mauritanie : Production de Volaille et d'Oeufs

	K - cal 100 g.	1974	1975	1976	1977	1978	1979
Volée Nationale (milliers- National Flock (Thousands)		2,700	2,800	2,850	2,900	2,950	3,000
Pondeuses (milliers) Layers (Thousands)		1,390	1,400	1,425	1,450	1,300	1,400
Oeufs produits (milliers) Eggs Produced (Millions)		67.40	67.97	69.18	70.40	62.40	67.60
Oeufs disponibles pour la consommation(millions) Eggs Available for Consumption (Millions)		53.90	54.37	55.34	56.32	49.92	54.08
Tonnes métiruqes oeufs de consommation Metric Tons - Eggs for Consumption (350)	145	1,889	1,903	1,937	1,971	1,747	1,893
Facteur déchet (millions) Waste Factor (Millions)		6.75	6.80	6.92	7.04	6.24	6.76
Oeufs à couver (millions) Eggs set for Hatching (Millions)		6.75	6.80	6.92	7.04	6.24	6.76
Production de poussins (milliers) Baby Chick Production (Thousands)		2,970	2,992	3,045	3,168	2,933	3,042
Mortalité de poussins (milliers) Baby Chick Mortality (Thousands)		135	132	135	148	125	135
Nombre de volaille abattue (milliers) Number of Birds Slaughtered (Thousands)		2,835	2,860	2,940	3,020	2,808	2,907
Carcass Weight/Poids de la carcasse		.8	.8	.8	.8	.8	.8
Production de viande de volaille Poultry Meat Production (MT)	151	2,228	2,288	2,352	2,416	2,246	2,326
K - cal, m.		6,181	6,535	6,689	6,844	6,239	6,583

Source: Derived from FAO 06/28/80 computer printout
Tiré du listing informatique, FAO 06/28/80.

Table A - 15c

Mauritania: Forecast of Poultry and Egg Production (in thousands of birds and in metric tons)

	Scenario A			Scenario B			Scenario C		
		Consumption			Consumption			Consumption	
ear / nnée	Flock Volée ,000	Eggs Oeufs mt.	Meat Viande mt.	Flock Volée ,000	Eggs Oeufs MT	Meat Viande mt	Flock volée ,000	Eggs Oeufs mt.	Meat Viande mt.
980	3,075	1,950	2,429	3,060	1,940	2,417	3,090	1,959	2,441
81	3,152	1,983	2,490	3,121	1,979	2,466	3,183	2,018	2,515
82	3,231	2,048	2,553	3,184	2,019	2,515	3,278	2,078	2,590
83	3,311	2,099	2,616	3,247	2,059	2,565	3,377	2,141	2,668
84	3,394	2,152	2,681	3,312	2,100	2,616	3,478	2,205	2,748
985	3,479	2,206	2,748	3,378	2,142	2,669	3,584	2,272	2,831
86	3,566	2,261	2,817	3,446	2,185	2,722	3,690	2,340	2,915
87	3,655	2,317	2,887	3,515	2,229	2,777	3,800	2,409	3,002
88	3,747	2,376	2,960	3,585	2,279	2,832	3,914	2,482	3,092
89	3,840	2,435	3,034	3,657	2,319	2,889	4,032	2,556	3,185
990	3,936	2,495	3,109	3,730	2,365	2,947	4,153	2,633	3,281
91	4,035	2,558	3,188	3,805	2,412	3,000	4,277	2,712	3,379
92	4,136	2,622	3,267	3,881	2,461	3,066	4,406	2,793	3,481
93	4,239	2,688	3,349	3,958	2,509	3,127	4,538	2,877	3,585
94	4,345	2,755	3,433	4,038	2,560	3,190	4,674	2,963	3,692
995	4,454	2,824	3,519	4,118	2,611	3,253	4,814	3,052	3,803
96	4,565	2,894	3,606	4,201	2,663	3,319	4,959	3,144	3,918
97	4,679	2,967	3,696	4,285	2,717	3,385	5,107	3,238	4,035
98	4,796	3,041	3,789	4,370	2,771	3,452	5,261	3,336	4,156
99	4,916	3,117	3,884	4,450	2,821	3,516	5,418	3,435	4,280
2000	5,039	3,195	3,981	4,547	2,883	3,592	5,581	3,538	4,409
Taux tate	2.5%			2%			3%		

Mauritanie : Prévision de Production de Volaille et d'Oeufs (en milliers de volées en tonnes métriques

Table A - 16a

Mauritanie ; Production de Pêche et Traitement (en tonnes métriques)

Mauritania: Fishery Production and Processing (in metric tons)

Item /Article	K - cal 100 g.	1967	1968	1969	1970	1971	1972	1973
Fish Catch /Prise de Pêche								
Diadrome/ Diadrom Freshwater /d'eau douce		3,000	13,000	13,000	13,000	13,000	13,000	13,000
Dermesal Demersal Marine /marin		16,200	18,400	21,200	18,800	22,700	11,200	13,200
Pelagic Marine /Pelagique marin		6,900	8,100	9,600	16,300	22,200	10,700	9,300
Other Marine /autre marin		-	-	-	13,500	25,400	9,200	6,300
Sum /Total		36,100	39,500	43,800	61,600	83,300	44,100	41,800
Nour./Food, Fresh Fish/ Poisson Frais	67							
Diadrom/Diadrome		10,000	10,000	10,000	10,000	10,000	10,000	10,000
Demersal /Demersal		-	400	2,000	-	900	2,223	2,462
Pelagic /Pelagique		5,200	8,100	9,600	7,600	1,200	7,700	6,300
Other/Autre		-	-	-	-	-	134	115
Sum		15,200	18,500	21,600	17,600	12,100	20,057	18,877
Fish Processing/de traitement poisson								
Diadrom/Diadrome		3,000	3,000	3,000	3,000	3,000	3,000	3,000
Demersal /Dermersal		16,200	18,000	19,200	18,800	21,800	8,977	10,738
Pelagic/Pelagique		1,700	-	-	8,700	21,000	3,000	3,000
Other/Autre		-	-	-	13,500	25,400	9,066	6,185
Sum		20,900	21,000	22,200	44,000	71,200	24,043	22,923
Processed Output /Extrait traité								
Food/Nourriture								
Diadrome/Cured Diadrom /évidé	210	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Dermesal/Cured Demersal /évidé	210	5,600	5,700	5,806	6,400	4,900	2,137	3,143
" /Frozen Demersal/congelé	87	5,500	5,300	6,300	9,800	1,000	4,275	5,238
Pelagique/ Canned Pelagic/en bte	200	-	-	-	2,100	2,100	2,100	2,100
Sum/Total		12,100	12,000	13,106	19,300	18,000	9,512	11,481
Fish Meal/Alim. Poisson	685	-	-	-	2,700	5,000	1,786	1,300
Fish Oil/huile de pois.	685	-	-	-	200	800	-	-
K - cal, m.		27,729	30,016	32,986	39,468	36,877	27,090	29,057

Source: Derived from FAO 06/28/80 computer printout.
Tiré du listing informatique FAO, 06/28/80.

Diadrome = poisson migrateur entre eau salée et eau douce
Dermersal = Poisson de surface
Pelagique = poisson de fond.

Table A - 16b

Mauritania: Fishery Production and Processing (in metric tons)
Mauritanie : Production de la Pêche et du Traitement (en tonnes métriques)

Item/Article	K - cal 100 g.	1974	1975	1976	1977	1978	1979
Fish Catch/Prise de Pêche							
Diadrom/Diadrome		13,000	13,000	13,000	13,000	13,500	14,000
Demersal/Demersal		6,850	6,850	6,850	6,850	12,500	11,500
Pelagic/Pelagique		9,870	9,870	9,870	9,870	10,000	10,100
Other /Autre		3,850	3,850	3,850	3,850	4,000	4,500
Sum/Total		33,570	33,570	33,570	33,570	40,000	40,100
Nourr./Food, Fresh Fish / Poisson frais	67						
Diadrom/Diadrome		10,000	10,000	10,000	10,000	10,500	11,000
Demersal/Demersal		1,176	1,329	1,904	1,904	5,513	4,165
Pelagic/Pelagique		6,870	6,870	6,870	6,870	6,900	6,900
Other/Autre		137	253	371	127	-	-
Sum/Total		18,183	18,452	19,145	18,901	22,913	22,065
Processed Fish/poisson traité							
Diadrom/Diadrome		3,000	3,000	3,000	3,000	3,000	3,000
Demersal/Demersal		5,674	5,521	4,946	4,946	6,987	7,335
Pelagic/Pélagique		3,000	3,000	3,000	3,000	3,100	3,200
Other/Autre		3,713	3,597	3,479	3,723	4,000	4,500
Sum /Total		15,387	15,118	14,425	14,669	17,087	18,035
Processed Output /Extrant traité							
Food/Nourriture							
Diadrom / Cured Diadrom /évidé	210	1,000	1,000	1,000	1,000	1,000	1,000
Demersal / Cured Demersal/évidé	210	784	1,036	742	742	1,317	1,646
" Frozen Demersal/congélé	67	3,919	3,451	3,462	3,462	4,670	4,670
Pelagique / Canned Pelagic/en bte	200	2,100	500	400	400	420	440
Sum		7,803	5,987	5,604	5,604	7,407	7,756
Fish Meal/Aliment poisson		985	674	665	753	800	900
Fish Oil/huile de poisson	685		300				
K - cal, m.		22,754	22,006	19,605	19,441	24,186	24,349

Source: Derived from FAO 06/28/80 computer printout.
Tiré du listing informatique FAO, 06/28/80.

Table A - 16c & d

Mauritania: Forecast of Fisheries Production, Food and Kilo-Calories,
(in thousands of metric tons and millions of kilo-calories)

Year / Année	Scenario A			Scenario B			Scenario C		
	Catch Prise	Food Nourriture	K-cal	Catch Prise	Food Nourriture	K - cal	Catch Prise	Food Nourriture	K - cal
1980	42.6	32.0	25,560	42.6	32.0	25,560	42.6	32.0	25,560
81	44.5	33.4	26,700	44.2	33.2	26,520	44.5	33.4	26,700
82	46.5	34.9	27,900	45.7	34.3	27,420	46.4	34.8	27,840
83	48.4	36.3	29,040	47.3	35.5	28,380	48.4	36.3	29,040
84	50.4	37.8	30,240	48.8	36.6	29,280	50.5	37.9	30,300
1985	52.3	39.2	31,380	50.3	37.7	30,180	52.7	39.5	31,620
86	54.2	40.7	32,520	51.8	38.9	31,080	54.9	41.2	32,940
87	56.2	42.2	33,720	53.3	40.0	31,980	57.2	42.9	34,320
88	58.1	43.6	34,860	54.7	41.0	32,820	59.5	44.6	35,700
89	60.1	45.1	36,060	56.2	42.2	33,720	62.0	46.5	37,200
1990	62.0	46.5	37,200	57.6	43.2	34,560	64.5	48.4	38,700
91	63.9	47.9	38,340	59.0	44.3	35,400	67.2	50.4	40,320
92	65.9	49.4	39,540	60.4	45.3	36,240	70.0	52.5	42,000
93	67.8	50.9	40,680	61.8	46.4	37,080	72.9	54.7	43,740
94	69.8	52.4	41,880	63.1	47.3	37,880	75.9	56.9	45,540
1995	71.7	53.8	43,020	64.5	48.4	38,700	79.0	59.3	47,400
96	73.6	55.2	44,160	65.8	49.4	39,480	82.3	61.7	49,380
97	75.6	56.7	45,360	67.1	50.3	40,260	85.7	64.3	51,420
98	77.5	58.1	46,500	68.4	51.3	41,040	89.2	66.9	53,520
99	79.5	59.6	47,700	69.7	52.3	41,820	92.9	69.7	55,740
2000	81.4	61.1	48,840	71.0	53.3	42,600	96.7	72.5	58,020

Mauritanie : Prévision de Production des Pêches, Nourriture et Kilo-Calories
(an milliers de tonnes métriques et millions de Kilo-calories)

Table A - 17a

Mauritania: Miscellaneous Fishery Production (in metric tons)

Mauritanie : Production des Pêches Diverses (en tonnes métriques)

Item /Articles	K-cal 100 g.	1967	1968	1969	1970	1971	1972	1973
Crustaceans /Crustacés	65	-	-	100	40	-	-	-
Cephalopods Céphalopodes	67	700	900	1,000	1,800	1,800	1,300	600
K - cal, m.		469	603	735	1,232	1,206	871	402

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique, FAO 06/28/80.

Table A - 17b

Mauritania: Miscellaneous Fishery Production (in metric tons)

Mauritanie : Production de Pêche Diverses (en tonnes métriques)

Item /Article	K - cal 100 g.	1974	1975	1976	1977	1978	1979
Crustaceans /Crustacés		-	-	-	-	-	-
Cephalopods Céphalopodes	67	600	600	600	600	600	600
K - cal, m.		402	402	402	402	402	402

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing informatique, FAO 06/28/80.

Table A - 18

Forestry Subsector - Production and Projections
Sous-Secteur Forestier - Production et Projections

	Pop . 000	Demande Demand kg/capita	Equivalent bois Wood equiv. MT	Autre Other Bois/ Wood MT	Gomme arabique Gum Arabic MT
1967	1086.7	434	471,630	10,300	4670.0
8	1110.8	438	486,530	10,630	5324.0
9	1135.5	441	500,760	10,940	7318.0
1970	1160.7	445	516,510	11,280	5368.0
1	1186.5	449	532,740	11,640	5738.0
2	1212.8	453	549,400	12,000	885.0
3	1239.8	457	566,590	12,210	916.0
4	1267.3	461	584,220	12,430	510.0
1975	1295.4	455	602,300	12,640	1635.0
6	1324.2	469	621,050	12,860	441.0
7	1353.6	473	639,700	13,070	298.0
8	1386.1	477	661,170	13,290	122.0
9	1419.4	481	682,730	13,500	485.0
1980	1453.4	485	704,900	13,710	171.3
1	1488.3	490	729,270	13,930	141.1
2	1524.0	494	752,800	14,140	116.2
3	1560.6	498	777.180	14,360	95.7
4	1598.0	502	802,200	14,570	78.8
1985	1636.4	507	829,650	14,790	64.9
6	1675.7	511	856,280	15,000	53.5
7	1715.9	516	885,400	15,210	44.0
8	1757.1	520	913,690	15,430	32.3
9	1799.2	525	944,580	15,640	29.9
1990	1842.4	529	974,630	15,860	24.6
1	1886.6	534	1,007,440	16,070	20.3
2	1931.9	538	1,039,360	16,290	16.7
3	1978.3	543	1,074,220	16,500	13.7
4	2025.8	548	1,110,140	16,710	11.3
1995	2074.4	553	1,147,140	16,930	9.3
6	2124.2	557	1,183,180	17,140	7.7
7	2175.2	562	1,222,460	17,360	6.3
8	2227.4	567	1,262,940	17,570	5.2
9	2280.8	572	1,304,620	17,790	4.3
2000	2335.6	577	1,348,100	18,000	3.5

Table D-1

Mauritanie : Pluviométrie Annuelle (en millimètres)
Mauritania: Annual Rainfall (in millimeters)

Station Weather Station	1964	1965	1966	1967	1968	1969
1. Nema	189.8	335.1	266.0	278.6	258.9	290.9
2. Timbedra	391.5	308.7	463.0	380.0	217.0	255.5
3. Aioun El Atrouss	301.9	382.0	188.1	352.1	225.0	335.6
4. Tamchakett	202.0	276.9	179.0	334.0	38.0	215.3
5. Tidjikja	79.4	197.4	421.5	234.9	116.3	339.7
6. Kiffa	473.0	363.6	260.3	503.9	197.7	534.3
7. Kankossa	553.7	492.2	380.0	503.7	289.1	507.0
8. Moudjeria	304.8	204.8	307.2	354.1	145.1	535.0
9. M'Bout	453.8	330.6	323.4	477.5	249.8	451.1
10. Selibaby	611.0	955.0	500.0	809.0	415.0	566.5
11. Aleg	224.4	133.0	203.0	120.0	272.6	401.8
12. Boghe	316.7	308.8	424.4	264.8	274.6	552.0
13. Kaedi	342.0	401.0	329.1	396.6	174.6	313.8
14. Boutilimit	257.0	161.7	195.8	256.7	132.3	194.1
15. Mederdra	290.5	159.0	292.8	220.1	102.1	470.5
16. Rosso	327.8	291.7	268.5	308.1	190.2	338.7
Total	5319.3	5441.5	5962.9	5834.1	3298.3	6301.8
Running average* Moyenne mouvante			5265.6	5447.1	4773.5	5006.9
Average station Moyenne des Stations			329	340	298	313

* The three year running average is weighted 20% for the first year and 40% for the next two years. Hap Wilder's Report.

p = provisionally estimated values.
p = Valeur provisoire estimée,

Source : ASECNA = Association pour la Sécurité de la Navigation Aerienne.

* La moyenne mouvante sur 3 ans est pondérée par 20% pour la 1ère année et 40% pour les 2 autres années- Rapport du Secteur Elevage, RAMS

(suite)

Table D-1 (cont'd)

	1978	1979	1980	1981	1982	1983	1984	1985
1.	342.2	246.9						
2.	265.0	271.2						
3.	277.6	129.7						
4.	201.7	197.2						
5.	105.7	214.6	98.1					
6.	310.2	155.2						
7.	341.3	320.1	276.0					
8.	155.2	130 p	119.2					
9.	387 p	195.0						
10.	584.3	309.9						
11.	237.2	180 p						
12.	258.5	217.7						
13.	214.4	202.7						
14.	117.7	122.4						
15.	256.9	180.9						
16.	325.1	325.9						
Total	4380.0	3399.4						
R/A	3582.1	3626.6						
A/S	224	227						

Table D-1 (suite) (cont'd)

	1970	1971	1972	1973	1974	1975	1976	1977
1.	203.4	231.5	267.9	220.4	182.1	331.5	314.6	100.4
2.	148.5	230.5	314.0	248.5	170.1	295.0	328.5	270 p
3.	250.0	146.0	141.9	141.0	158.8	310.5	111.6	116.2
4.	267.1	128.9	152.1	146.6	286.6	166.3	270.9	95.5
5.	156.9	58.8	66.5	71.1	61.9	128.2	142.0	45.7
6.	446.3	163.7	118.7	176.1	273.8	268.0	330.2	170.2
7.	306.6	291.5	248.4	313.9	363.2	388.5	295.4	300 p
8.	238.0	159.[illegible]	67.5	168.9	432.9	344.0	380.1	163.1
9.	433.6	352.7	111.3	246.0	282.0	420.9	280.1	250 p
10.	387.8	554.3	289.5	443.6	435.2	490.4	355.8	364.7
11.	255.0	251.9	58.5	194.0	289.9	124.0	148.7	102.2
12.	290.5	146.0	116.0	219.5	312.4	336.0	243.0	126.1
13.	251.1	260.6	130.0	218.4	419.8	301.5	217.5	220.2
14.	123.3	78.5	46.1	41.6	227.4	160.0	118.2	30.7
15.	195.0	168.0	86.2	127.5	372.5	357.2	216.0	96.0
16.	149.7	125.6	52.9	166.1	126.9	329.3	248.6	123.3
Total	4102.8	3353.5	2267.5	3143.2	4395.5	4751.3	4001.2	2574.3
R/A	4821.5	4244.7	3069.0	2835.0	3469.0	4287.4	4360.1	3580.5
A/S	301	265	192	177	217	268	274	224

Mauritanie : Pluviométrie (en millimètres)

Annuelle

Table D - 2

Mauritania: Annual Rainfall (in millimeters)

Stations Weather Station/Date	1922	1923	1924	1925	1926	1927	1928
1. Nema	260	280	282.0	200.2	253.6	220.5	156.5
2. Tidjikja	183.5	70.9	114.5	104.2	105.5	115.5	108.0
3. Kiffa	410.4	349.5	256.5	195.0	481.5	251.3	378.0
4. M'Bout	268.9	379.8	380	384.0	226,0	383.7	295.6
5. Aleg	110.5	108.7	349.0	448.6	385.3	617.4	411.3
6. Boghe	323.4	222.4	240.6	214.0	268.0	585.0	316.0
7. Kaedi	465.9	584.4	450.0	102.0	258.0	467.8	526.0
8. Boutilimit	365.0	120.6	63.5	150.4	254.9	69.2	318.9
Total	2387.6	2116.3	2136.1	1888.4	2234.6	2711.4	2521.6
Running Average Moyenne mouvante			2178.5	2033.1	2076.5	2356.2	2540.2
Average Station Moyenne des Stations			272	254	260	295	318

Date:	1929	1930	1931	1932	1933	1934	1935
1. Nema	213.0	305.0	252.4	468.5	224.7	325.3	227.0
2. Tidjikja	283.0	242.0	103.0	193.0	180.0	200.0	197.5
3. Kiffa	396.0	211.9	390.7	562.6	562.8	367.0	390.0
4. M'Bout	226.6	466.7	260.9	300	325	250	285
5. Aleg	373.3	239.1	188.2	257.0	293.0	203.5	318.5
6. Boghe	301.0	344.4	252.5	376.1	389.5	239.0	271.0
7. Kaedi	341.4	314.5	393.2	279.8	514.9	234.6	501.0
8. Boutilimit	155.8	240.0	207.9	67.1	280.0	90.9	138.0
Total	2290.1	2363.6	2048.8	2607.3	2769.9	1910.3	2328.0
Moyenne mouvante Running Average	2467.0	2365.8	2223.0	2335.2	2560.6	2393.5	2249.3
Average Station Moyenne des stations	308	295	278	292	320	299	281

Source : ASECNA = Association pour la Securite de la Navigation Aerienne

(suite)

Table D - 2 (continued)

Mauritania - Annual Rainfall (in millimeters)

Mauritanie : Pluviométrie Annuelle (en millimètres)

Station Weather Station/Date	1936	1937	1938	1939	1940	1941	1942
1. Nema	241.0	132.6	135.5	300.9	291.5	299.0	269.1
2. Tidjikja	133.0	94.5	132.1	36.5	143.0	63.0	33.8
3. Kiffa	551.3	321.1	298.3	170.0	331.1	156.2	157.0
4. M'Bout	390.	278.	292.	283.	305	235.	218.
5. Aleg	420.1	315.3	352.5	302.5	370.5	137.6	105.3
6. Boghe	350.0	176.0	420.0	372.0	452.0	263.0	298.0
7. Kaedi	762.0	406.0	322.8	513.5	408.8	205.0	292.4
8. Boutilimit	332.0	155.0	166.7	202.5	129.1	161.5	153.5
Total	3169.4	1920.5	2121.9	2278.4	2491.0	1520.3	1437.1
Running Average	2501.0	2505.2	2254.4	2146.0	2332.1	2060.2	1681.2
Moyenne mouvante Average Station Moyenne des stations	323	313	282	238	291	258	210

Date:	1943	1944	1945	1946	1947	1948	1949
1. Nema	298.5	287.9	288.6	269.0	246.7	231.5	184.0
2. Tidjikja	243.0	137.0	160.2	61.6	161.2e	167.4e	346.0
3. Kiffa	437.5	157.1	390.0	211.6	263.9	469.7	294.3
4. M'Bout	495.	535.1	471.0	450.0	361.7	288.1	354.0
5. Aleg	241.9	261.0	309.0	249.7	250.0	320.9	139.4
6. Boghe	283.0	340.0	365.0	214.0	459.0	331.0	285.0
7. Kaedi	537.2	300.3	503.4	248.5	415.0	419.2	202.2
8. Boutilimit	337.5	213.5	83.3	82.0	216.9	120.8	208.8
Total	2875.6	2241.9	2570.5	1786.4	2374.4	2348.6	2013.7
Running Average	2828.3	2333.6	2499.7	2191.1	2178.4	2246.5	2219.8
Moyenne mouvante Average Station Moyenne des stations	254	292	312	274	272	281	277

(suite)

Table D - 2 (continued)

Mauritanie : Pluviométrie Annuelle (en millimètres)

Mauritania: Annual Rainfall (in millimeters)

Station Weather Station/Date:	1950	1951	1952	1953	1954	1955	1956
1. Nema	345.1	358.9	331.8	485.0	506.2	385.7	258.2
2. Tidjikja	275.1	169.2	171.7	156.6	145.5	194.3	213.0
3. Kiffa	406.6	482.4	448.1	287.7	422.9	381.1	411.3
4. M'Bout	611.3	651.7	476.4	356.5	569.2	455.9	603.5
5. Aleg	266.2	180.3	439.4	159.9	307.4	544.3	283.3
6. Boghe	351.8	344.9	383.6	349.7	276.2	425.5	335.2
7. Kaedi	509.5	439.5	486.4	337.0	345.5	402.3	467.2
8. Boutilimit	182.8	165.9	268.9	133.9	207.6	405.9	286.0
Total	2948.4	2792.8	2855.3	2266.3	2780.5	3195.0	2857.7
Running Average Moyenne mouvante	2454.6	2699.2	2848.9	2607.2	2589.8	2843.5	2977.2
Average Station Moyenne des Stations	307	337	356	326	324	355	372

Date:	1957	1958	1959	1960	1961	1962	1963
1. Nema	475.0	355.0	304.5	289.0	300.5	304.4	315.4
2. Tidjikja	182.4	203.4	102.1	123.1	161.8	124.2	94.2
3. Kiffa	429.8	620.3	336.0	142.3	320.4	281.0	319.2
4. M'Bout	511.1	479.5	469.6	484.7	440.4	358.1	358.1
5. Aleg	266.5	121.8	135.8	204.1	89.0	191.6	152.7
6. Boghe	341.5	308.6	270.8	336.1	378.4	252.3	242.2
7. Kaedi	351.2	406.9	545.3	300.0	246.6	367.0	311.9
8. Boutilimit	147.1	188.4	135.4	329.5	197.1	38.7	208.7
Total	2704.6	2683.9	2299.5	2208.8	2134.2	1917.3	2002.4
Running Average Moyenne mouvante	2863.9	2726.9	2534.3	2340.1	2197.1	2062.4	1994.7
Average Station Moyenne des stations	358	341	317	293	275	258	249

Table D - 2

Mauritania : Annual Rainfall (in millimeters)
Mauritanie : Pluviométrie Annuelle (en millimètres)

Station Weather Station/Date:	1964	1965	1966	1967	1968	1969	1970
1. Nema	189.8	335.1	266.0	278.6	258.9	290.9	203.4
2. Tidjikja	79.4	197.4	421.5	234.9	116.3	339.7	156.9
3. Kiffa	473.0	363.6	260.3	503.9	197.7	534.3	446.3
4. M'Bout	453.8	330.6	323.4	477.5	249.8	451.1	433.6
5. Aleg	224.4	133.0	203.0	120.0	272.6	401.8	255.0
6. Boghe	316.7	308.8	424.4	264.8	274.6	552.0	290.5
7. Kaedi	342.0	461.0	329.1	396.6	174.6	313.8	251.1
8. Boutilimit	257.0	161.7	195.8	256.7	132.3	194.1	123.3
Total	2336.1	2291.2	2423.5	2533.0	1676.8	3077.7	2160.1
Running Average:	2118.9	2251.4	2353.1	2440.8	2168.6	2408.4	2430.5
Moyenne mouvante Average Station:	265	281	294	305	271	301	304
Moyenne des stations Date:	1971	1972	1973	1974	1975	1976	1977
1. Nema	231.5	267.9	220.4	182.1	331.5	314.6	100.4
2. Tidjikja	53.8	66.5	71.1	61.9	128.2	142.0	45.7
3. Kiffa	163.7	118.7	176.1	273.8	268.0	330.2	170.2
4. M'Bout	352.7	111.3	246.0	282.9	420.9	280.1	250
5. Aleg	251.9	58.5	194.9	289.9	124.0	148.7	102.2
6. Boghe	146.0	116.0	219.5	312.4	336.0	243.0	126.1
7. Kaedi	256.6	130.0	218.4	419.8	301.5	217.5	220.2
8. Boutilimit	78.5	46.1	41.6	227.4	160.0	118.2	30.7
Total	1549.7	915.0	1387.1	2049.3	2070.1	1794.3	1045.5
Running Average:	2099.5	1417.9	1230.8	1557.6	1925.2	1955.6	1549.9
Moyenne mouvante Average Station:	262	177	154	195	241	244	194
Moyenne des stations							

Table D - 2 (suite) (continued)

Mauritania: Annual Rainfall (in millimeters)
Mauritanie : Pluviométrie Annuelle (en millimètres)

Station Weather Station/Date	1978	1979
1. Nema	342.2	246.9
2. Tidjikja	105.7	214.6
3. Kiffa	310.2	155.2
4. M'Bout	387p	195.0
5. Aleg	237.2	180p
6. Boghe	258.5	217.7
7. Kaedi	214.4	202.7
8. Boutilimit	117.7	122.4
Total	1972.9	1534.2
Running Average Moyenne mouvante	1566.2	1611.9
Average Station Moyenne des Stations	196	201

Table D - 3

Calculation Sheet
Future Rainfall Series of Equal Probabilities
Feuille de Calcul -, Séries Statistiques de Pluviométrie Equiprobable

Année Year	Rain Data / Données Pluvio. mm.	Index	Scenario A Année Yr.	Scenario A mm.	Scenario B Année Yr.	Scenario B mm.	Scenario C Année Yr.	Scenario C mm.
1924	272		79	227	79	227	79	227
25	254	100						
26	260							
27	295	113	82	256				
28	318	121	83	276				
29	308	118	84	267				
1930	296	113	85	256				
31	278	106	86	241				
32	292	112	87	253				
33	320	122	88	277				
34	299	114	89	259				
35	281	107	90	244				
36	323	123	91	280				
37	313	119	92	271	82	271		
38	282	108	93	244	83	244		
39	268	102	94	232	84	232		
1940	291	111	95	252	85	252		
41	258	98	96	224	86	224		
42	210	80	97	182	87	182		
43	254	97	98	220	88	220		
44	292	111	99	253	89	253		
45	312	119	00	270	90	270		
46	274	105			91	237		
47	272	104			92	236	82	236
48	281	107			93	244	83	244
49	277	106			94	240	84	240
1950	307	117			95	266	85	266
51	337	129			96	292	86	292
52	356	136			97	308	87	308
53	326	124			98	282	88	282
54	324	124			99	281	89	281
55	355	135			00	308	90	308
56	372	142					91	322
57	358	137					92	310
58	341	130					93	295
59	317	121					94	275
1960	293	112					95	254
61	275	105					96	238
62	258	98					97	224
63	249	95					98	216
64	266	102					90	230
65	281	107					00	244

Note: Rain Data from Table _____.

Donnée de pluviométrie du Tableau _____.

Table D - 4

Mauritania: Rainfall in Southern Areas

Mauritanie : Pluviométrie dans les régions méridionales

Données Pluviométrie moy./Averaged Rainfall Data, mm

1966	329
67	346
68	293
69	313
70	301
1971	265
72	192
73	177
74	217
75	268
1976	274
77	224
78	224
1979	227

Future Rainfall Series of Equal Probabilities

Séries Statistiques de Pluviométrie équi-probables

	Scenario A		Scenario B		Scenario C	
	mm	Index	mm	Index	mm	Index
1980	192	.85	192	.85	192	.85
1981	230	1.01	230	1.01	230	1.01
82	256	1.13	271	1.19	236	1.04
83	276	1.22	244	1.07	244	1.07
84	267	1.18	232	1.02	240	1.06
85	257	1.13	252	1.11	266	1.17
1986	241	1.06	224	.99	292	1.29
87	253	1.11	182	.80	308	1.36
88	277	1.22	220	.97	282	1.24
89	259	1.14	253	1.11	281	1.24
90	244	1.07	270	1.19	308	1.36
1991	280	1.23	237	1.04	322	1.42
92	271	1.19	235	1.04	310	1.37
93	244	1.07	244	1.07	295	1.30
94	232	1.02	240	1.06	275	1.21
95	252	1.11	266	1.17	254	1.12
1996	224	.99	292	1.29	238	1.05
97	182	.80	308	1.36	224	.99
98	220	.97	282	1.24	216	.95
99	253	1.11	281	1.24	230	1.01
2000	270	1.19	308	1.36	244	1.07

Source : Table D-1 ASECNA

Tableau D-1 ASECNA

Table E-1

Mauritania : Population Estimates
Mauritanie : Estimation de la Population

The following mid-year population estimates are by exponential curve fitting between the official estimates for mid-year 1965 and January 1, 1977. Beyond 1977 the official annual growth rate of 2.4 percent is used.

Les estimations de la population milieu de l'année entre mi 1965 et 1/1/77 sont ajustées exponentiellement à une courbe, après 1977, un taux de croissance de 2,4% est utilisé.

1965	1,040,000	1985	1,636,400
		86	1,675,700
1967	1,086,700	87	1,715,900
68	1,110,800	88	1,757,100
69	1,135,500	89	1,799,200
1970	1,160,700	1990	1,842,400
71	1,186,500	91	1,886,600
72	1,212,800	92	1,931,900
73	1,239,800	93	1,978,300
74	1,267,300	94	2,025,800
1975	1,295,400	1995	2,074,400
76	1,324,200	96	2,124,200
		97	2,175,200
1/1/77	1,338,830	98	2,227,400
		99	2,280,800
77	1,353,600		
78	1,386,100	2000	2,335,600
79	1,419,400		
1980	1,453,400		
81	1,488,300		
82	1,524,000		
83	1,560,600		
84	1,598,000		

Population Résidente/Région/[illegible]

Table E-2

RESIDENT POPULATION BY REGION AND DEPARTMENT

AS OF 1 JAN. 1977 +)

Region/Département Department	Superf. Area +) km 2	Pop. totale Total population	Total urbain Urban total	Rural Total total	Rural sedentary Sédentaires	Rural nomad Nomades
	(..... quantities in thousands (en milliers) .....)					
Mauritanie Mauritania	1030.0	1338.8	303.8	1035.0	591.0	444.0
00 Nouakchott	1	134.7	134.7	0	0	0
001 1st Arrond.	n.a.	26.1	26.1	0	0	0
002 2 nd Arrond.	n.a.	11.9	11.9	0	0	0
003 3 rd Arrond.	n.a.	20.2	20.2	0	0	0
004 4 th Arrond.	n.a.	21.3	21.3	0	0	0
005 5 th Arrond.	n.a.	55.2	55.2	0	0	0
01 Hodh Charki	182.7	156.7	13.2	143.5	57.8	85.7
011 Amourj	9.3	27.2	0	27.2	13.1	14.1
012 Bassikounou	16.5	18.0	0	18.0	6.2	11.8
013 Djigueni	3.9	22.4	0	22.4	14.5	7.9
014 Nema	9.9	42.5	7.9	34.6	12.2	22.4
015 Oualata	134.0	16.3	0	16.3	2.9	13.4
016 Timbedra	9.1	30.3	5.3	25.0	8.9	16.1
02 Hodh Gharbi	53.4	124.2	8.5	115.7	51.7	64.0
021 Aioun el Atrouss	17.9	33.3	8.5	24.8	11.9	12.9
022 Kobonni	9.5	28.3	0	28.3	17.0	11.3
023 Tamchakett	14.6	35.7	0	35.7	7.1	28.6
024 Tintane	11.4	26.9	0	26.9	15.7	11.2
03 Assaba	36.6	129.2	10.3	118.9	75.5	43.4
031 Barkewoll	6.7	31.7	0	31.7	22.6	9.1
032 Boumdeid	4.5	12.5	0	12.5	7.9	4.6
033 Guerou	2.8	16.4	0	16.4	10.8	5.6
034 Kankossa	11.7	26.9	0	26.9	20.3	6.6
035 Kiffa	10.9	41.7	10.3	31.4	13.9	17.5
04 Gorgol	13.6	149.4	20.7	128.7	112.3	16.4
041 Kaedi	4.0	55.4	20.7	34.7	29.9	4.8
042 Maghama	2.6	25.1	0	25.1	25.1	0
043 M'Bout	5.2	48.4	0	48.4	41.5	6.9
044 Monguel	1.8	20.5	0	20.5	15.8	4.7
05 Brakna	33.0	151.3	13.1	138.2	87.6	50.6
051 Aleg	16.3	42.8	5.3	37.5	15.7	21.8
052 Bababe	.9	16.9	0	16.9	15.2	1.7
053 Boghe	1.6	35.7	7.8	27.9	22.0	5.9
054 Maghta Lahjar	13.6	34.1	0	31.1	13.9	20.2
055 M'Bagne	.6	21.8	0	21.8	20.8	1.0

E-2 (cont.)

Region/Département Department		Superficie Area++) km 2	Total population	(suite) Total urbain Urban total	Rural total	Rural sedentary Sédentaires	Rural nomad Nomades
		(..... quantities in thousands (en milliers) .....)					
06	Trarza	67.8	216.0	23.8	192.2	86.1	106.1
061	Boutilimit	28.4	55.8	7.3	48.5	15.0	33.5
062	Keur Massene	2.8	21.6	0	21.6	8.8	12.8
063	Mederdra	7.7	43.0	0	43.0	18.3	24.7
064	Oued Naga	19.8	12.7	0	12.7	3.9	8.8
065	R'Kiz	7.7	46.4	0	46.4	26.2	20.2
066	Rosso	1.4	36.5	16.5	20.0	13.9	6.1
07	Adrar	215.3	55.4	16.2	39.2	21.5	17.7
071	Aoujeft	25.4	15.2	0	15.2	8.4	6.8
072	Atar	23.9	30.1	16.2	13.9	9.2	4.7
073	Chinguetti	166.0	10.1	0	10.0	3.9	6.2
08	Nouadhibou	17.8	23.5	21.9	1.6	1.6	0
081	Nouadhibou	17.8	23.5	21.9	1.6	1.6	0
09	Tagant	95.2	75.0	7.9	67.1	24.6	42.5
091	Moudjeria	11.8	31.8	0	31.8	8.5	23.3
092	Tichitt	68.2	5.6	0	5.6	1.4	4.2
093	Tidjkja	15.2	37.6	7.9	29.7	14.7	15.0
10	Guidimaka	10.3	83.2	6.0	77.2	68.1	9.1
101	Ould Yenge	3.7	23.3	0	23.3	20.2	3.1
102	Selibabi	6.6	59.9	6.0	53.9	47.9	6.0
11	Tiris Zemmour	252.9	22.6	19.5	3.1	2.4	.7
111	Bir Moghrein	85.8	1.7	0	1.7	1.7	0
112	F'Derick	167.0	3.5	2.1	1.4	.7	.7
113	Zouerate	.1	17.4	17.4	0	0	0
12	Inchiri	46.8	17.6	8.0	9.6	1.8	7.8
121	Akjoujt	46.8	17.6	8.0	9.6	1.8	7.8

Les chiffres ne comprennent pas les nomades à l'étranger.

+) Figures exclude Mauritanian nomads abroad, estimated at approximately 67000 attached to the following regions
estimée à 67000 rattachées aux régions suivantes :
01: 49.200, 02: 9.800, 03: 1.700, 04: 100 , 06: 1.600, 10: 3.800.

++) Not official figures, estimated by planimetry to about +/- 5%
Source: BCR, 1977 census

Recensement de 1977

++) Chiffres non officiels estimés par planimétrie à +/- 5%

Statistical Annex

Section 2.2

Table B - 2a & 2b	Cereal Grain and Flour Imports
Table B - 3a & 3b	Imports of Cereal Based Products
Table B - 4a & 4b	Fruit Imports
Table B - 5a & 5b	Vegetable Imports
Table B - 6a & 6b	Imports of Root Crops and Products
Table B - 7a & 7b	Imports of Sugar Products
Table B - 8a & 8b	Imported Pulses and Nuts
Table B - 9a & 9b	Imported Groundnuts and Products
Table B - 10a & 10b	Imported Vegetable Oils
Table B - 11a & 11b	Tea, Coffee, Spice Imports
Table B - 12a & 12b	Beverages and Tobacco Imports
Table B - 13a & 13b	Imported Meat and Meat Products
Table B - 14	Imported Poultry Products
Table B - 15a & 15b	Fishery Imports and Processing
Table B - 16a & 16b	Miscellaneous Fishery Imports
Table B - 17a & 17b	Imported Dairy Products
Table B - 18a & 18b	Miscellaneous Food Imports

Table C - 1a & 1b	Date Exports
Table C - 2a & 2b	Natural Gum Exports
Table C - 3	Livestock Product Exports
Table C - 4a & 4b	Fishery Product Exports
Table C - 5a & 5b	Miscellaneous Fishery Exports

Table B - 2a

Mauritania : Cereal Grain and Flour Imports (in metric tons)

Mauritanie : Importations de Céréales et de farine (en tonnes métriques)

Item /Article	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Wheat/Blé		-	51	..	2,010	2,321	9,020
Flour /farine		12,500	12,000	6,974	4,940	6,322	6,035
Feed/alimentation		-	..	..	..	-	..
Waste /perte		250	252	140	180	179	337
Food/aliment	334	12,250	11,799	6,834	6,815	9,764	16,500
Δ Stock/stock		-3,300	-2,000	+1,500	+3,000	+1,400	..
Milled Rice/riz cassé		11,119	13,438	16,757	11,123	15,571	18,534
Waste/perte		333	398	563	332	500	556
Food /aliment	356	10,780	12,395	16,294	10,808	15,171	17,978
Δ Stock/stock				-3,500	+3,000		
Barley/Orge							
Waste/perte							
Food /aliment	337						
Maize /maïs							
Feed /alimentation							3,749
Waste/perte							170
Food /aliment	350						107
Millet /Mil							3,534
Feed /alimentation		30,000	30,000	17,000	45,000	50,000	50,000
Waste/perte		2,280	2,280	1,292	3,420	3,800	3,800
Food /aliment		1,500	1,500	850	2,250	2,500	2,500
Δ Stock/stock	345	26,220	26,220	14,858	39,330	43,700	43,700
Cereals /céréales			0	-1,000	-2,500	-2,500	+6,000
Milled products /produits		33,000	33,051	17,000	47,910	52,621	63,620
Feed /alimentation		23,813	25,000	25,741	15,873	22,993	25,499
Waste /perte		2,280	3,200	1,292	3,420	3,800	3,970
Food /aliment		2,083	2,145	1,553	2,720	3,179	3,550
Δ Stock/stock		+9,250	53,714	39,386	61,787	68,635	81,570
		-3,000	-2,000	-3,000	+4,000	-1,100	+5,000
K cal, m.		173,041	170,055	141,308	198,794	240,558	287,050
Δ Stock		-12,012	9,434	10,520	14,825	-3,529	+20,700

Source Derived from FAO 06/28/0 computer printout

Tiré du listing ordinateur FAO 06/28/80.

Table B-2 b

Mauritania : Cereal Grain and Flour Imports By Years (in metric tons)

Mauritanie : Importations par Années de Céréales et de Farine (en tonnes métriques)

Item /article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Wheat / blé		15000	18000	13927	13923	16566	40000	40000		
Flour :farine		12000	14000	8510	12979	15124	20000	20000		
Feed /alimenta.		2495	2990	2320	2333	2761	6622	6625		
Waste /perte		1341	1602	1267	1262	1510	3240	3357		
Food /aliment	364	23164	27408	18850	23307	27419	50138	50018		
Δ Stock /stock			-4000	+4000						
Milled Rice /riz cassé		28000	32000	8050	27892	42642	51000	50000		
Waste/perte		840	960	690	927	1280	1530	1787		
Food /aliment	358	27160	31040	7310	26965	41362	49470	48213		
Δ Stock /stock		-8000	-10000	+15000	+3000					
Barley /Orge					218	437				
Waste/perte					78	147				
Food/aliment	337				140	290				
Maize/Maïs		2000	6000			132				
Feed /alimenta.		-	246			-				
Waste /perte		296	632			32				
Food /aliment	350	1704	5122			100				
Millet /Mil		50000	70000	74000	73000	73500	74000	75700		
Feed/alimenta.		8532	9965	10538	10396	10461	10531	10634		
Waste/perte		3117	3565	3744	3691	3762	3791	3811		
Food /aliment	345	48351	56470	59718	58913	59277	59678	61255		
Cereals/céréales		77000	94000	87927	82141	90635	114000	115700		
Milled prod/moulus		40000	46000	16510	40871	57766	71000	70000		
Feed/alimenta.		11027	13201	12858	12729	13222	17153	17259		
Waste/perte		5594	6759	5701	5958	6731	8561	8955		
Food/aliment		100379	120040	85878	109325	128448	159286	159486		
Δ Stock/stock		-8000	-14000	+19000	+3000					
K-cal, m		354325	423637	300811	385094	453714	565494	565998		
Δ Stock		-28640	-50360	+68260	+10740					

Source: Derived from FAO 06/28/80 computer print-out.

Venant du listing ordinateur FAO 06/28/80

Table B - 3a

Mauritania: Imports Of Cereal Based Products (in metric tons)
Mauritanie ; Importations de Produits Céréaliers (en tonnes métriques)

Food /aliment Items	K-cal 100 g.	1967	1968	1969	1970	1971	1972
Macaroni		-	-	-	-	-	-
Bread /Pain		-	-	-	-	-	-
Pastry /Pâte		-	-	-	-	-	-
Infant food /aliment enfant		-	-	-	-	-	-
Cereal prep. Prep. céréales	245	69	70	118	923	811	1,271
Sum /somme		69	70	118	923	811	1,271
K- cal, m.		169	172	289	2,261	1,987	3,114

Source: Derived from FAO 06/28/80 computer printout.
Tiré du listing ordinateur FAO 06/28/80

Mauritanie : Importations de Produits Céréaliers (en tonnes métriques)

Table B-3 b

Mauritania : Imports of Cereal Based Products (in metric tons)

Food /Aliment Item	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Macaroni	340	1100	800	1000	2300	1424				
Bread /pain	245					20				
Pastry /Pâte	350			336	808	708				
Aliment enfant Infant food	245			45	43	81				
Cereal prep pre. céréales	245	900	2800	788	854	6				
Sum /somme		2000	3600	2169	4005	2239	1500[e]	1500[e]		
K-cal, m.		5945	9580	6650	12926	7653	5130	5130		

e = RAMS estimate / Estimation RAMS

Source : Derived from FAO 06/28/81 computer print-out.
Tiré du listing ordinateur FAO 06/28/81.

Table B - 4a

Mauritania: Fruit Imports (in metric tons)

Mauritanie : Importations de Fruits (en tonnes métriques)

Item /article	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Bananas /bananes		-	-	-	-	-	-
Oranges / oranges		-	-	-	-	-	-
Citrus, nes /citrons		-	-	-	-	-	-
Apples /Pommes		-	-	-	-	-	-
Pears /poires		-	-	-	-	-	-
Stone fruits /fruits à noyaux		-	-	-	-	-	-
Berries /baies		-	-	-	-	-	-
Pineapple /ananas		-	-	-	-	-	-
Dates /Dattes		-	-	-	-	-	-
Fresh fruit /fruits frais		120	113	169	796	732	750
Waste /perte		12	11	17	80	73	75
Food /aliment	30	108	102	152	716	659	675
Dried /séchés		-	-	-	-	-	-
Prepared /préparés	38	36	39	21	214	200	210
Sum /somme		156	152	190	1,010	932	960
Waste /perte		12	11	17	80	73	75
Food /aliment		144	143	173	930	859	885
K - cal, m.		46	45	54	296	274	282

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing ordinateur FAO 06/28/80.

Mauritanie : Importations de Fruits (en tonnes métriques)

Table B - 4b

Mauritania : Fruit Imports (in metric tons)

Item /Article :	K - cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Bananas /Bananes	61			91	121	139				
Oranges /Oranges	30			249	280	378				
Citrus , nes /Citrons	19			26	27	25				
Apples /Pommes	46					342				
Pears /Poires	42			274	42	20				
Stone Fruits /fruits à noy.	40			14	12	11				
Berries/ Baies	42					5				
Pineapple /Ananas	35			4	4	3				
Dates /Dattes	70			17	2					
Fresh Fruit /fruits frais		700	500	77	129	58	50	79		
Waste /perte		70	50	8	5	3	5	8		
Food /aliment	30	630	450	69	124	55	45	71		
Dried /séché	122			4	2	3				
Prepared /préparé	33	250	280	367	459	290	290	290		
Sum /Somme		950	780	1,123	1,078	1,274	340	369		
Waste /Perte		70	50	8	5	3	5	8		
Food /aliment		880	730	1,115	1,073	1,271	335	361		
K - cal, m.		284	241	434	402	507	124	132		

Source : Derived from FAO 06/28/80 computer printout.

Tiré du listing ordinateur FAO 06/28/80.

Table B - 5a

Mauritania: Vegetable Imports (in metric tons)

Mauritanie : Importations Maraîchères (en tonnes métriques)

Item /Article	K- cal 100 g.	1967	1968	1969	1970	1971	1972
Tomatoes /Tomates		-	-	-	-	-	-
Fresh Veg. /Légumes frais		124	1				
Waste /Perte		32	-				
Food/Aliment	20	92	1				
Dehydrated /Déshydratés		-	-	-	-	-	-
Prepared / Préparés	250	75	121	163	342	300	436
Frozen /congelé		-	-	-	-	-	-
Sum/Somme		199	122	163	342	300	436
Waste /Perte							
Food/aliment							
K - cal, m.		206	303	408	855	750	1,090

Source: Derived from FAO 06/28/80 computer printout.

Tiré du listing ordinateur FAO 06/28/80.

Mauritanie : Importations Maraîchères (en tonnes métriques)

Table B-5b

Mauritania: Vegetable Imports (in metric tons)

Item /Article	K - cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Tomatoes /Tomates	20			47	33	53				
Légumes frais Fresh Veg.				1252	2434	1954				
Waste/perte				125	243	195				
Food /aliment	20			1127	2191	1759				
Dehydrated Déshydratés	277			655	940	9				
Prepared /préparés	250	320	330	642	930	1400	1000	1000		
Frozen /congelés	50			1	3	7				
Sum /Somme		320	330	2597	4340	3423				
Waste/perte				125	243	195				
Food /aliment		320	330	2472	4097	3228	1000	1000		
K -cal, m.		800	825	3655	5375	3891	2500	2500		

Source : Derived from FAO 06/28/80 computer print-out

Tiré du listing ordinateur FAO 06/28/80.

Mauritanie : Importations de Légumes à Tubercules et de Produits (en tonnes métriques)

Table B- 6a

Mauritania : Imports of Root Crops and Products (in metric tons)

Item /Articles	K -cal 100 g.	1967	1968	1969	1970	1971	1972
Potatoes /Pomme de terre		233	426	458	1,222	1,930	2,871
Flour /Farine		-	-	-	-	-	-
Waste /perte		24	43	47	125	200	292
Food /aliment	71	209	383	411	1,097	1,730	2,579
Other Root/Autre tubercule							
Flour as food		-	-	-	-	-	-
Farine comme aliment							
K -cal, m		148	272	292	779	1,250	1,831

Mauritanie : Importations de Produits Sucrés (en tonnes métriques)

Table B - 7a

Mauritania : Imports of Sugar Products (in metric tons)

Item /Article	K -cal 100 g.	1967	1968	1969	1970	1971	1972
Sucre raffiné Sugar refined	386	24,100	22,150	19,522	18,312	16,544	18,557
Δ Stock /Stock		-1,500	+350	+2,600	+100	-400	-2,000
Syrups /Sirops		-	-	-	-	-	-
Confectionary /Confiserie	380	24	25	21	61	60	60
Flavored		-	-	-	-	-	-
Sum /Somme		24,124	22,175	19,543	18,373	16,604	18,617
Δ Stock /Stock			+350	+2,600	+100	-400	-2,000
K -cal, m.		91,671	84,255	74,263	69,817	63,095	70,745
Δ Stock /Stock			+1,330	+9,880	+380	-1,520	-7,600

Source . Derived from FAO 06/28/80 computer printout
Tiré du listing ordinateur, FAO 06/28/80.

Mauritanie : Importations de Légumes à Tubercule et de Produits (en tonnes métriques)

Table B-6 b

Mauritania : Imports of Root Crops and Products (in metric tons)

Item /Article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Potatoes /Pomme de terre		2500	2500	1147	1500	1317	1300	2000		
Flour /farine				1	2	3				
Waste /perte		256	258	121	156	139	136	210		
Food /aliment	71	2244	2242	1027	1346	1181	1164	1790		
Other Root /tubercule										
Flour as Farine										
Food /comme aliment	120			2	3	54				
K-cal, m.		1593	1592	732	959	903	826	1271		

Table B-7

Mauritania : Imports of Sugar Products (in metric tons)

Item /Article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Sugar Refined /raf.	380	20500	22400	12892	14324	29907	26500	27200		
Δ Stock /Stock		-300	-1900	+2500						
Syrups /sirop	350			376	1843	2				
Confectionay	380	63	63	42	57	31	50	50		
Flavored confiserie	378			51	48	61				
Sum /Somme		20563	22463	13361	16272	30001	26550	27250		
Δ Stock		-300	-1900	+2500						
K- cal, m.		78139	85359	50658	61280	114002	100890	103550		
Δ Stock		-1140	-7220	+9500						

Source : Derived from FAO 06/28/80 computer print-out.

Tiré du listing ordinateur, FAO 06/28/80.

Mauritanie : Importations de Légumineuses et Noix (en tonnes métriques)

Table B-8 b

Mauritania : Imported Pulses and Nuts (in metric tons)

Item /Article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Légumineuses séches										
Pulses, dry		300	300			6				
Waste /déchets		89	83			1				
Food /aliment	242	211	217			5				
Noix/aliment										
Nuts/Food.	549			6	11	10				
Légumineuses et noix										
Pulses and Nuts		300	300			16				
Waste /déchets		89	83			1				
Food /aliment		211	217	6	11	15				
K-cal. m.		722	742	33	60	87				

Source: Derived from FAO 06/28/80 computer print-out.

Tiré du listing ordinateur, FAO 06/28/80.

Table B - 8a

Mauritania: Imported Pulses nad Nuts (in metric tons)

Mauritanie : Importations de Légumineuses et Noix (en tonnes métriques)

Item /Article	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Pulses, dry/Légumineuses, séché		4	3	-	-	-	-
Waste /perte		1	1				
Food /Aliment	342	3	2				
Nuts/Food /Noix/aliment	549	-	-	-	-	-	-
Pulses and Nuts/perte		4	3				
Waste /aliment		1	1				
Food		3	2				
K - cal, m.		10	7				

Source: Derived from FAO 06/28/80 computer printout.

tiré du listing ordinateur, FAO 06/28/80.

Table B - 9a

Mauritania: Imported Groundnuts and Products (in metric tons)
Mauritanie : Produits et Arachides Importés (en tonnes métriques)

Item /Article	K- cal 100 g.	1967	1968	1969	1970	1971	1972
In Shell /en cosses		-	-	-	-	-	-
Waste /perte							
Shelling input /intrant en cosses		-	-	-	-	-	-
Shells /cosses							
Unshelled /écossés							
Shelled imports /Ecossés		-	-	-	-	-	-
Oil Mill input /Intrant moulins à huile							
Feed cake /tourteaux							
Waste /perte							
Oil/Food /huile/aliment							
Oil Imports /Importations huile		1,000	1,000	1,000	1,485	1,832	2,678
Oil/Food/huile/aliment	884	1,000	1,000	1,000	1,485	1,832	2,678
ΔStock /stock							-200
K - cal, m.		8,840	8,840	8,840	13,127	16,195	23,674 -1,768

Source: Derived from FAO 06/28/80 printout.

Tiré du listing ordinateur, FAO 06/28/80.

Mauritanie : Arachides et Produits Importés (en tonnes métriques)

Table B - 9b

Mauritania : Imported Groundnuts and Products (in metric tons)

rticle /Item	K cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
shell/en cosse				487	72	7				
Waste/déchet				11	2					
elling input/intrant en cosses				476	70	7				
Shells/cosses				143	21	2				
Shelled /écossés				333	49	5				
elled imports/importations écossés					19	159				
Mill input/intrant moulin à huile				333	68	164				
Feed cake/tourteau				140	24	69				
Waste/déchet				73	3	21				
Oil/Food/huile/aliment				120	41	74				
Import/importation huile		3,400	2,100	2,438	3,538	3,258	3,000	3,000		
/Food/huile/aliment	884	3,400	2,100	2,618	3,579	3,332	3,000	3,000		
Stock /stock		-500	+450	+250						
beans/haricots soja	550			1,220						
cal, m.		30,056	18,564	29,853	31,638	29,455	26,520	26,520		
Stock		-4,420	+3,978	+2,210						

rce : Derived from FAO 06/28/80 computer printout.
Tiré du listing ordinateur, FAO 06/28/80.

Mauritanie : Huile Végétales Importées (en tonnes metriques)

Table B-10 b

Mauritania : Imported Vegetable Oils (in metric tons)

Item/Article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Palm Oil /de palm	875			104	451	540	800			
Huile de noix de Oil of Palm /palm Kernels	884					3				
Olive oil /d'olive	884			306	79	303	160			
Huile de graine de tournesol Oil of Sun Flower seed	884					3				
Huile de graine de colza Oil of rapeseed	884			54						
Huile de graine de coton Oil of cotton seed	884					6				
Autre Huile Végétale Veg. oil nes	875				114	27				
Sum./Somme				464	644	882	960	900e.		
K-cal, m.				4092	5642	7746	8414	7889		

e = RAMS estimate /Estimation RAMS

Source : Derived from FAO 06/28/80 computer print-out.
Tiré du listing ordinateur, FAO 06/28/80.

Table B - 10a

Mauritania: Imported Vegetable Oils (in metric tons)
Mauritanie : Huiles Végétales Importées (en tonnes métriques)

Item /Article	K - cal 100 g.	1867	1968	1969	1970	1971	1972
Palm Oil / Huile de Palme	875						
Oil of Palm / Huile de noix de palme Kernels /	884						
Olive Oil/Huile d'olive	884						
Huile de graine de tournesol Oil of sunflower seed	884						
Huile de graine de Colza Oil of rape seed	884						
Huile de graine de coton Oil of cotton seed	884						
Huile végétale Veg. oil nes.	875						
Sum /Somme	..	..					
K - cal, m.		0	0	0	0	0	0

Source: Derived from FAO 03/28/80 computer printout.
Tiré du listing informatique, FAO 06/28/80.

Mauritanie : Importation de Thé, Café, Epice, (en tonnes métriques)
Table B - 11a

Mauritania: Tea, Coffe, Spice Imports (in metric tons)

Item /Article	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Tea /Thé	20	839	1,847	925	423	437	798
Produits du café Coffee prod.	129	3	4	5	14		
Cocoa /Cacao	311	-	-	-	-	-	-
Pepper/Poivre	n.a.	-	-	-	-	-	-
Pimento /piment	n.a.	-	-	-	-	-	-
Spices, nes /épices	n.a.	-	-	-	-	-	-
Sum /Somme		842	1,851	930	437	437	798
K - cal, m.		172	375	191	103	87	160

Source: Dervived from FAO 06/28/80 computer printout.
Tiré du listing ordinateur, FAO 06/28/80.

Mauritanie : Importations de Thé, Café, Epices (en tonnes métriques)

Table B-11 b

Mauritania : Tea, Coffee, Spice Imports (in metric tons)

Item /article	K- cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
ea /Thé	20	1000	2000	3200	1122	1701	1000	1000		
duit du café offee Prod.	129			37	33	17				
duit du cacao ocoa Prod.	311			15	20	13				
epper/Poivre	n. a.			2	2	3				
imento/Piment	n. a.					2				
pices ices, nes.	n. a.					1				
Sum /Somme		1000	2000	3254	1177	1737	1000	1000		
cal, m.		200	400	734	329	403	200	200		

rce : Derived from FAO 06/28/80 computer print-out.
Tiré du listing ordinateur, FAO 06/28/80.

Table B - 12a

Mauritania : Beverages and Tobacco Imports (in m
Mauritanie : Importations de Thé, Café, Epices

Item /Article	K - cal 100 g.	1967	1968	1969	1970
Non-Alcohol /Non-alcoolisé	100	473	469	497	1,358
Beer /Bière	150	361	326	239	504
Wine /Vin	90	85	117	101	257
Vermouth /vermouth	95	--	--	--	--
Distilled /alcool distillé	220	--	--	700	34
Tobacco leaf /feuille de tabac		290	125	230	200
Cigarettes /cigarettes		--	40	14	27
Tob. products /Produits du tabac		--	--	--	--
Sum /Somme		1,229	1,077	1,631	2,715
K - cal, m.		1,121	1,063	2,561	2,785
Animal feed /aliment de bétail		--	--	--	--

Source Derived from FAO 06/28/80 computer printout
Tiré du listing ordinateur, FAO 06/28/80.

Mauritanie : Importations de Boissons et Tabacs (en tonnes.)

Table B-12 b

Mauritania : Beverage and Tobacco Imports (in metric tons)

Item /Article	K - cal 100 g.	1973	1974	1975	1976	1977	1978	197
Non-Alcohol Non-alcoolisé	100	1600	1600	923	923	981	1000	100
Beer/bière	150	370	400	271	544	372	800	80
Wine /Vin	90	290	300	184	310	234	300	30
Vermouth/vermouth	95					15		
Alcool distillé Distilled	220	500	100	64	127	99	100	10
Feuille de tabac Tobacco Leaf	..	100	50	16	292	90	270	27
Cigarettes Cigarettes	..			130	115	24		
Produits du tabac Tob. Products	..			1	10	5		
Sum /Somme	..	2960	2450	1589	2321	1800	2470	247
K-cal, m.		3516	2690	1636	2297	1962	2690	269
Animal Feed Aliment de bétail				2251		4294		

Source : Derived from FAO 06/28/80 computer print-out,

Tiré du listing ordinateur, FAO 06/28/80.

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Table B - 13a

Mauritanie : Viande et Produits de Viande Importés (e
Mauritania : Imported Meat and Meat Products (in me

Item/Article	K - cal 100 g.	1967	1968	1969	1970
Beef Preparations Préparation de boeuf	237	5	17	23	40
K-cal, m.		12	40	55	95

Source : Derived from FAO 06/28/80 computer printout

Tiré du listing ordinateur, FAO 06/28/80.

Table B : 13b

Mauritania : Imported Meat and Meat Products (in met
Mauritanie : Viande et Produits de Viande Importés (en

Item /Article	K - cal 100 g.	1973	1974	1975	1976	1977	1978
Boeuf/veau/mouton Beef/Veal/Mutton	159			20	26	27	-
préparation de boeuf Beef Preparation	237	70	100	103	48	71	130
Porc /Porc	361			21	25	49	
Produit de porc Pork products	470			18	30	19	
Meat nes./Viande	150			16	11	13	
Meat prep. nes. Viande pre.nes	237				52		
cal, m.		100	237	471	532	503	308

Source: Derived from FAO 06/28/80 Computer printout

Tiré du listing ordinateur, FAO 06/28/80.

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Table S - 14

Mauritania : Imported Poultry Products

Mauritanie : Produits de Volaille Importés

Item/Article	K - cal 100 g.	1973	1974	1975	1976
Poultry /Volaille	165	..	..	19	44
K - cal, m.				31	73

Source : Derived from FAO 06/28/80 computer printout

Tiré du listing ordinateur, FAO 06/28/80.

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Table B - 12a

Table B - 15a

Mauritania : Beverages and Tobacco Imports (in metri

Mauritania: Fishery Imports and Processing (in metri

Mauritanie : Importations de Thé, Cafés, Epices

Mauritanie : Importations de Pêche et de Traitements

K - cal

Item /Article	K-cal 100 g.	1967	1968	1969	1970	1971
Non-Alcohol /Non-alcoolisé	100	473	469	497		1,65
Imported Fish /Poisson importé						
Beer /Bière	150	361	326	239		15,000
Demersal /Demersal						–
Pelagic /Pelagique	90	85	117	101		32,000
Other /autre						47,000
Aliment, poisson frais						
Wine /Vin	95	..	..	..		2,977
Food, Fresh Fish	67					–
Vermouth /vermouth						466
Demersal /Demersal	220	..	..	700		3,443
Distilled /alcool distillé						
Pelagic /Pélagique						
Other /autre						
Tobacco leaf /feuille de tabac		290	125	230		
Cigarettes /cigarettes		..	43	14		2
Processed Fish /poisson transformé						
Tob. products /Produits du tabac		..	..	..		12,023
Demersal /Demersal						–
Pelagic /Pélagique						31,521
Other /autre						43,557
Sum /Somme		1,229	1,077	1,831		1,471
Processed Output /extrant transformé		1,121	1,063	2,561		2,78
Food /aliment						
Cured Demersal	210					2,863
Frozen Demersal	67					5,725
Animal Feed /aliment de bétail		..	..	..		–
Canned Pelagic	210					8,588
Sum /Somme						
Fish Meal /Plat poisson						6,214
K - cal, m.						12,155

Demersal vidé
Demersal congelé
Pélagique en con - serve

Source: Derived from FAO 06/28/80 computer printout
Tiré du listing ordinateur, FAO 06/28/80.

Source: See Table 16a
Voir tableau 16a.

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Table B - 15b

Mauritanie : Importations de Poisson et Traitements
Mauritania : Fishery Imports and Processing (in m

Item /Article	K -cal 100 g.	1974	1975	1976	1977	197
Imported Fish /Poisson importé						
Demersal /Demersal		15,000	13,000	7,000	7,000	7,0
Pelagic /Pélagique		--	--	--	--	--
Other/Autre		27,000	3,000	6,000	22,000	31,0
		42,000	16,000	13,000	29,000	38,0
Aliment, poisson frais Food, Fresh Fish	67					
Demersal /Demersal		2,574	2,521	1,946	1,946	3,0
Pelagic /Pélagique		--	--	--	--	
Other /autre		1,313	197	579	723	
		3,887	2,718	2,525	2,669	3,0
Transformation du poisson Fish Processing						
Demersal/Demersal		12,426	10,479	5,054	5,054	3,9
Pelagic /Pélagique		--	-	--	-	-
Other /Autre		25,687	2,803	5,421	21,277	31,0
		38,113	13,282	10,475	26,331	34,9
Processed Output / Extrant transformé Food/ Aliment						
Cured Demersal /Demersal vidé	212	1,716	1,964	758	758	5
Frozen Demersal " congelé	67	6,581	6,549	3,538	3,538	2,3
Canned Pelagic /Pélagique en bte	200	--	--	--	--	
		10,297	8,513	4,296	4,296	3,0
Fish Meal /Plat de poisson		6,815	523	1,035	4,247	5,2
Fish Oil /Huile de poisson	885	700	300	200	200	
K - cal, m.		16,752	12,380	7,024	7,120	5,1

Source : Derived from FAO 06/28/80 computer printout.
Tiré du listing ordinateur, FAO 06/28/80.

Table [illegible] - 18a

Mauritania : Miscellaneous Fishery Imports (in

Mauritanie : Importations Diverses de Pêche (en to

Item /Article	Kcal 100 g.	1967	1968	1969	1970
Céphalopodes Cephalopods	67				3,[illegible]
[illegible]					2,412

Source : Derived from FAO 06/28/80 computer printout.

Tiré du listing ordinateur, FAO 06/28/80.

Table 2 - 102

Mauritania : Miscellaneous Fishery Imports (in metric tons)

Mauritanie : Importations Diverses de Pêche (en tonnes métriques)

Item /Article	X - cal. 100 g.	1974	1975	1976	1977	1978	1979	1980	1981
Céphalopodes Cephalopods	67	900	10,000	12,000	12,000	12,100	12,200		
X - cal, m.		503	6,700	6,040	6,040	6,107	6,174		

Source : Derived from FAO 06/28/80 computer printout.

Tiré du listing ordinateur, FAO 06/28/80.

Table E- 17a

Mauritania : Imported Dairy Products (in metric tons)

Mauritanie : Produits Laitiers Importés (en tonnes métriques)

Item /Article	K - cal / 100 g.	1967	1968	1969	1970	1971	1972
Oeufs, aliment Eggs, food (35 g) MT	145	..	..	..	..	..	..
Lait frais Fresh Milk	92	105	94	192	333	442	475
Butter /Beurre	862	27	45	100	137	141	110
Cheese /fromage	250	33	38	35	90	95	66
Lait entier, concentré Whole Milk, Condensed	325	347	359	1,177	1,231	1,566	1,801
Lait entier, évaporé Whole Milk, Evaporated	136	347	362	202	351	350	370
Lait entier, en poudre Whole Milk, Dry	477	..	..	..	..	270	300
K - cal, m.		2,012	2,228	5,226	6,621	8,700	9,338

Source Derived from FAO 06/28/80 computer printout.
Tiré du listing ordinateur, FAO 06/28/80.

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Table 3 - 17b

Mauritania : Imported Dairy Products (in metric tons)
Mauritanie : Produits Laitiers Importés (en tonnes métriques)

Item /Article	K - cal / 100 g.	1973	1974	1975	1976	1977	1978	1979	1980
Oeuf, aliment / Eggs, food (35 g) MT	145	..	..	30	28	50	..	..	..
Fresh Milk .Lait frais	92	800	760	1,700	2,904	7,000	1,900	1,900	
Butter /Beurre	802	300	1,200	1,327	738	500	2,500	2,500	
Cheese /fromage	250	78	100	51	40	44	50	53	
Leit entier, concentré / Whole Milk, Condensed	325	2,900	1,700	2,500	2,000	2,000	2,000	2,000	
Lait entier évaporé / Whole Milk, Evaporated	135	380	400	800	800	224	800	800	
Lait entier, en poudre / Whole Milk, Dry	477	2,100	2,000	4,600	3,500	3,587	4,300	4,300	
K - cal, m.		20,550	26,002	44,402	33,481	38,144	51,522	51,530	

Source : Derived from FAO 06/28/0 computer printout.
Tiré du listing ordinateur, FAO 06/28/80.

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Table B-18a

Mauritania : Miscellaneous Food Imports (in metric tons)
Mauritanie : Importations Alimentaires Diverses (en tonnes métriques)

Item/article	K-cal 100	1967	1968	1969	1970	1971	1972
Honey/Miel	311	..	..	..	..	..	..
Margarine, matières grasses Margarine and Shortening	605	..	..	..	..	..	..
Aliment préparé Prepared Food	266	24	16	32	83	..	153
K-cal, m.		64	43	85	221		407

Source : Derived from 06/28/80 computer printout.
Tiré du listing ordinateur, FAO 06/28/80.

Table C - 1a

Mauritania : Date Exports (in metric tons)

Mauritanie : Exportations de Dattes (en tonnes métriques)

Item /Article	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Dates /Dattes	70	-	1,000	1,000	1,000	1,000	1,000
K - cal, m.			700	700	700	700	700

Table C - 2a

Mauritania : Natural Gum Exports (in metric tons)

Mauritanie : Exportations de Gomme Naturelle (tonnes métriques)

Item	K - cal 100 g.	1967	1968	1969	1970	1971	1972
Gum Arabic /Gomme arabique	n.a			5,381			3,197
K - cal, m.				n.a.			n.a.

n.a. = not available

Source : Derived from FAO 06/28/80 computer printout.
Tiré du listing ordinateur, FAO 06/28/80.

Table 3 - 10b

Mauritania : Miscellaneous Food Imports (in metric tons)

Mauritanie : Importations Alimentaires Diverses (en tonnes métriques)

Item /article	K - cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980
Honey /miel	311	..	..	2	24	..	..	..	
Margarine et matière grasse Margarine and Shortenings	685	..	.	344	39	651			
aliment préparé Prepared food	226	200	300	530	240	148	170	170	
K - cal, m.		532	798	3,734	980	4,321	452	452	

Source . Derived from 06/28/80 computer printout

Tiré du listing ordinateur, FAO 06/28/80.

Table C - 3

Mauritania : Livestock Exports
Mauritanie : Exportations d'Elevage

Year / Année	Cattle/Bétail: Head* Têtes*	Cattle/Bétail: K - C**	Sheep/Moutons: Head Têtes	Sheep/Moutons: K - C	Goats/Chèvres: Head Têtes	Goats/Chèvres: K - C	Camels/Chameaux: Head Têtes	Camels/Chameaux: K - C
1967	90	115,425	185	48,752	110	8,368	5	2,104
68	90	96,552	180	46,034	111	6,495	5	2,104
69	95	107,344	182	47,371	114	8,541	6	2,522
1970	82	108,485	177	46,087	117	9,151	6	2,571
71	82	91,885	150	40,703	121	10,565	6	2,513
72	60	45,024	115	37,970	90	7,146	5	2,000
73	46	29,740	85	2 ,046	80	5,614	5	1,671
74	48	34,0[illegible]	90	23,056	82	5,942	5	1,[illegible]
1975	49	35,047	96	24,712	84	6,230	5	1,987
76	51	41,100	106	28,171	90	7,317	5	2,0[illegible]7
77	44	32,286	94	24,008	91	7,881	5	1,948
78	46	33,700	103	27,043	97	8,093	6	2,300
79	47	33,136	114	30,340	108	9,040	6	2,379

* In thousands /en milliers de têtes

** Equivalent Kilocalories in millions.
L'équivalent calories kilo en millions

Source Derived from Tables A-6,
Tiré du Tableau A-6.

Mauritanie : Exportations de Dattes (en tonnes métriques)

Table C-1 b

Mauritania : Date Exports (in metric tons)

Item /Article	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Dates /Dattes	70	1000	1000	1200	1200	1300	1500	1500		
K-cal, m.		700	700	840	840	910	1050	1050		

Mauritanie : Exportations de Gomme Naturelle (en tonnes métriques)

Table C-2 b

Mauritania : Natural Gum Exports (in metric tons)

Item	K-cal 100 g.	1973	1974	1975	1976	1977	1978	1979	1980	1981
Gum Arabic Gomme arabique	n. a.	677								
K-cal, m.		n. a.								

n. a. = not available – non disponible

Source : Derived from FAO 06/28/80 computer print-out.

Tiré du listing ordinateur, FAO 06/28/80

Table C - 4a

Mauritania : Fishery Product Exports (in metric tons)

Mauritanie : Exportations de Produits de Pêche (en tonnes métriques)

Item /Article	Kcal 100 g.	1967	1968	1969	1970	1971	1972	1973
Demersal vidé Gutted Demersal	210	5,600	5,700	5,800	5,600	5,400	4,900	5,000
Demersal congelé Frozen Demersal	87	5,300	5,300	6,300	9,800	4,800	6,000	8,000
Pélagique en boite Canned Pelagic	200				500	300	300	300
Plat pélagique Meal Pelagic					1,100	3,600		
Plat marin Meal Marine					2,700	5,000	8,000	7,000
Huile de poisson Fish Oil	605				200	000		
Total, m.		15,445	. . . .	16,401	21,116	22,736	14,910	16,480

Source : See Table 16a

Voir Tableau 16a

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Table C - 4b

Mauritania : Fishery Product Exports (in metric tons)

Mauritanie : Exportations des Produits de Pêche (en tonnes métriques)

Item /Article	K-cal 100 g.	1974	1975	1976	1977	1978	1979	1980	1981
Cured Demersal /Demersal vidé	210	1,700	2,100	1,000	1,000	1,400	1,000		
Frozen Demersal / " congelé	87	15,700	11,000	6,700	6,700	6,700	6,700		
Canned Pelagic /Pélagique en boîte	200	2,100	500	400	400	420	440		
Meal Pelagic/Plat pélagique									
Meal Marine /Plat marin		7,800	1,000	1,700	5,000	7,000	7,100		
Fish Oil /Huile de poisson	895	700	500	200	200	450	450		
K-cal, m.		23,084	16,800	8,759	3,759	11,352	12,232		

Mauritanie : Exportations de Pêche Diverses (en tonnes métriques)

Table C - 5a

Mauritania : Miscellaneous Fishery Exports (in metric tons)

Item /Article	K-cal 100 g.	1967	1968	1969	1970	1971	1972	1973
Crustacés Crustacean	65			100	40			
Cephalopods Céphalopodes	67						3,200	3,200
K - cal, m				65	26		2,144	2,144

Source : Tiré du listing ordinateur, FAO 06/28/80
Derived from FAO ~~06/28/80~~ computer printout

Cephalopods = mollusks such as squid, cuttle fish, octopuses

Céphalopodes = mollusques tels calmar, seiches, poulpes.

Table 6 - 5b

Mauritania : Miscellaneous Fishery Exports (in metric tons)

Mauritanie : Exportations de Pêche Diverses (en tonnes métriques)

Item /Article	K cal. 100 g.	1974	1975	1976	1977	1978	1979	1980	1981
Crustacés Crustacean	65								
Céphalopodes Cephalopod	67	1,500	9,100	11,700	11,700	11,700	11,700		
K cal, m.		1,005	6,097	7,839	7,839	7,839	7,839		

Source : Derived from FAO 06/28/80 computer printout

Tiré de listing ordinateur, FAO 06/28/80.

Statistical Annex

Section 3.0

Table A - 1d	Forecast of Cereal Grain Food and Kilo-calories
Table A - 2d	Forecast of Fruit and Vegetable Food and Kilo-calories
Table A - 2e	Forecast of Melon Seed Production, Food and Kilo-calories
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Table A - 5c & d	Forecast of Groundnut Production, Food and Kilo-calories
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Table F - 1	Food Production in Kilo-calories - Summary
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Table A - 1d

Mauritanie : Projections des Céréales et Kilo Calories

Mauritania: Forecasts of Cereal Grain Food and Kilo-Calories
(in thousands of metric tons and millions of kilo-calories)
(en milliers de tonnes et millions K-Calories

Année / Year	Scenario A: Riz / Paddy Rice Food Aliment	Riz / Paddy Rice K - cal	Blé/ Wheat, Barley/Orge Food aliment	Blé/ Wheat, Barley/Orge K - cal	Maïs/Maize Food aliment	Maïs/Maize K - cal	Millet/Mil Food aliment	Millet/Mil K - cal	Scenario B: Riz / Paddy Rice Food Aliment	Riz / Paddy Rice K - cal	Blé/ Wheat, Barley /Orge Food aliment	Blé/ Wheat, Barley /Orge K - cal	Maïs /Maize Food aliment	Maïs /Maize K - cal	Millet /Mil Food aliment	Millet /Mil K - cal
1980	2.8	10,308	3.8	13,377	20.1	69,[illegible]	[illegible]	[illegible]	2.8	10,308	3.8	13,377	20.1	69,259		
81	3.5	12,671	4.1	14,469	24.2	83,[illegible]	[illegible]	[illegible]	3.5	12,671	4.1	14,469	24.2	83,362		
82	4.4	15,832	4.6	16,107	27.4	94,[illegible]	[illegible]	[illegible]	4.4	16,107	4.7	16,380	28.9	99,783		
83	5.2	19,329	5.0	17,472	30.0	105,513	[illegible]	[illegible]	5.0	18,255	4.8	16,653	26.4	91,170		
84	5.1	22,126	5.2	18,251	29.3	101,[illegible]	[illegible]	[illegible]	5.7	20,[illegible]	4.9	17,199	25.5	87,896		
1985	[illegible]	25,127	5.4	18,837	29.5	98,[illegible]	[illegible]	[illegible]	6.6	24,[illegible]	5.4	18,837	28.0	96,710		
86	6.1	29,422	5.5	15,383	27.1	93,[illegible]	[illegible]	[illegible]	7.3	26,540	5.3	18,564	25.2	86,888		
87	6.7	35,[illegible]	5.9	20,748	31.9	110,[illegible]	[illegible]	[illegible]	8.4	30,406	5.1	17,745	20.7	71,[illegible]		
88	11.7	42,532	6.4	22,286	32.0	110,[illegible]	[illegible]	[illegible]	10.5	38,462	[illegible]	20,475	25.4	[illegible]		
89	14.5	47,462	6.5	22,659	30.[illegible]	104,[illegible]	[illegible]	[illegible]	12.9	47,[illegible]	6.5	22,659	29.5	101,[illegible]		
1990	14.5	52,526	6.6	23,906	30.8	99,[illegible]	[illegible]	[illegible]	15.9	54,764	6.9	24,024	32.0	110,[illegible]		
91	18.1	65,717	7.0	25,389	33.4	115,[illegible]	[illegible]	[illegible]	16.9	61,421	6.8	23,751	28.4	97,170		
92	20.7	75,[illegible]	7.4	26,[illegible]	32.9	112,[illegible]	[illegible]	[illegible]	19.4	70,441	7.1	24,970	28.6	98,725		
93	22.8	83,112	7.4	28,935	29.[illegible]	102,[illegible]	[illegible]	[illegible]	22.8	83,112	7.4	28,935	29.9	103,259		
94	27.[illegible]	[illegible]	7.5	26,[illegible]	28.[illegible]	99,[illegible]	[illegible]	[illegible]	5.8	30,850	7.3	26,754	29.8	102,765		
1995	29.7	108,024	8.0	28,119	31.6	108,[illegible]	[illegible]	[illegible]	30.3	110,387	8.2	24,685	33.4	115,347		
96	31.6	114,397	7.5	27,576	28.5	96,473	[illegible]	[illegible]	35.2	127,587	8.3	30,848	37.1	127,940		
97	31.9	117,570	7.4	25,935	23.4	[illegible]	[illegible]	[illegible]	39.9	140,393	9.3	32,467	39.6	135,582		
98	38.4	139,808	8.8	29,211	28.6	[illegible]	[illegible]	[illegible]	42.6	155,007	9.3	32,437	36.6	126,429		
99	44.8	163,003	9.1	31,941	33.1	114,[illegible]	[illegible]	[illegible]	45.7	170,[illegible]	9.5	33,306	36.9	127,436		
2000	50.3	187,190	9.7	33,352	35.8	123,[illegible]	[illegible]	[illegible]	53.0	193,069	10.1	35,490	40.9	141,036		

Source: Table A - 1c

Tableau A. 1c

Tableau A- 1d (suite)

Table A - 1d (continued)

Mauritanie : Projections des Céréales et Kilo Calories

Mauritania: Forecasts of Cereal Grain Food and Kilo-Calories

(in thousands of metric tons and millions of kilo-calories)

(en milliers de tonnes et millions K- calories)

Scenario 0

Année Year	Riz Paddy Rice alim./Food	Riz Paddy Rice K - cal	Blé Wheat, Orge Barley, Maïs Maize alim./Food	Blé Wheat, Orge Barley, Maïs Maize K - cal	Mil Millet alim. Food	Mil Millet K - cal
1980	2.3	10,308	3.8	13,372	20.1	69,259
81	3.5	12,571	4.1	14,460	24.2	83,362
82	4.2	15,248	4.4	15,561	25.2	86,889
83	5.0	18,255	4.8	16,653	26.4	91,170
84	5.6	21,261	5.0	17,472	26.4	90,918
1985	7.0	25,556	5.5	19,114	29.6	101,999
86	8.7	31,784	5.9	20,748	32.9	113,339
87	10.4	38,013	6.4	22,286	35.1	121,140
88	11.7	42,737	6.5	22,654	32.6	112,325
89	13.5	48,965	6.7	23,478	32.9	113,333
1990	15.9	57,770	7.3	25,389	36.4	125,373
91	19.1	69,367	7.6	26,754	38.5	132,977
92	21.8	79,461	7.9	27,573	37.6	129,708
93	24.7	89,779	8.0	27,146	36.2	124,918
94	27.3	99,213	8.0	28,119	34.2	117,866
1995	29.7	108,239	8.0	28,119	31.9	110,058
96	32.4	117,903	8.1	28,352	30.2	104,266
97	35.0	127,567	8.1	28,352	28.8	99,228
98	38.1	138,735	8.3	28,938	28.0	96,710
99	43.0	156,585	8.7	30,575	30.2	104,266
2000	48.7	177,177	9.3	32,487	32.4	111,821

Source: Table A - 1c

Tableau A - 1c.

Table A - 2d

Projections des Fruits et Légumes et K-Calories

Mauritania : Forecasts of Fruit and Vegetable Food and Kilo-Calories
(in thousands of metric tons and millions of kilo-calories)
(en milliers de tonnes et millions de Kilo-calories)

Année Year	Légumes frais Fresh Veg. aliment Food	Légumes frais Fresh Veg. K - cal	Scenario A Watermelon /Pastèque aliment Food	Scenario A Watermelon /Pastèque K - cal	Fruits frais Fresh Fruit aliment Food	Fruits frais Fresh Fruit K - cal	Dattes Dates aliment Food	Dattes Dates K - cal	Scenario B Frac. Veg./Lég.f. aliment Food	Scenario B Frac. Veg./Lég.f. K - cal	Watermelon /Pastèque aliment Food	Watermelon /Pastèque K - cal
1980	2.07	414	4.01	561	1.81	1,085	10.1	7,056	2.07	414	4.01	561
81	2.19	437	4.20	588	1.88	1,129	10.4	7,308	2.18	436	4.56	638
82	2.30	461	4.42	619	1.94	1,166	10.7	7,487	2.29	457	5.02	703
83	2.42	484	4.64	649	2.02	1,210	11.0	7,686	2.39	479	5.54	776
84	2.53	506	4.87	682	2.08	1,247	11.3	7,938	2.52	504	6.06	848
1985	2.65	529	5.11	715	2.15	1,291	11.6	8,127	2.65	529	6.56	919
86	2.76	553	5.36	751	2.21	1,328	11.9	8,316	2.77	554	7.07	989
87	2.88	576	5.63	788	2.29	1,372	12.2	8,505	2.92	583	7.55	1,057
88	3.00	599	5.90	830	2.35	1,409	12.4	8,694	3.06	612	8.05	1,126
89	3.11	635	6.22	869	2.42	1,453	12.8	8,946	3.21	643	8.52	1,193
1990	3.23	646	6.53	914	2.48	1,490	13.1	9,135	3.33	675	9.01	1,261
91	3.34	668	6.85	959	2.56	1,534	13.3	9,324	3.54	707	9.48	1,327
92	3.46	691	7.19	1,007	2.62	1,571	13.6	9,513	3.72	743	9.95	1,392
93	3.57	715	7.55	1,057	2.69	1,615	13.9	9,702	3.91	781	10.40	1,457
94	3.69	738	7.93	1,110	2.75	1,652	14.2	9,954	4.10	819	10.86	1,521
1995	3.81	761	8.35	1,169	2.83	1,696	14.5	10,143	4.30	860	11.31	1,584
96	3.92	785	8.74	1,223	2.89	1,733	14.8	10,332	4.52	904	11.76	1,647
97	4.04	808	9.18	1,285	2.96	1,777	15.0	10,521	4.74	948	12.20	1,708
98	4.15	830	9.64	1,349	3.02	1,814	15.3	10,710	4.99	997	12.65	1,770
99	4.27	858	10.12	1,416	3.10	1,858	15.7	10,962	5.23	1,045	13.08	1,831
2000	4.38	877	10.63	1,488	3.10	1,895	15.9	11,151	5.49	1,098	13.51	1,891

Source : Table A - 2c
Tableau A - 2c.

Table A - 2d (continued)

Mauritanie : Projections des Fruits et Légumes, et K-Calories
Mauritania: Forecasts of Fruit and Vegetable Food and Kilo-Calories
(in thousands of metric tons and millions of kilo-calories)
(en milliers de tonnes et millions de Kilo-calories)

Année Year	Fruits Scenario B Fresh Fruit /frais Food Aliment	K - cal	Dattes Dates Food Aliment	K - cal	Légumes frais Fresh Veg. Food aliment	K - cal	Scenario C /Watermelon/Past. Food Aliment	K - cal	Fruits frais Fresh Fruit Food aliment	K - cal	Dattes Dates Food aliment	K - cal
1980	1.81	1,085	10.1	7,056	2.07	414	4.01	561	1.81	1,085	10.1	7,056
81	1.90	1,139	10.4	7,245	2.12	425	4.12	577	1.85	1,112	10.2	7,119
82	2.00	1,199	10.5	7,371	2.17	434	4.25	595	1.91	1,139	10.3	7,182
83	2.10	1,258	10.8	7,560	2.22	445	4.37	612	1.94	1,166	10.4	7,245
84	2.20	1,318	11.1	7,749	2.28	455	4.51	632	2.00	1,199	10.4	7,308
1985	2.31	1,388	11.3	7,938	2.33	466	4.64	650	2.04	1,226	10.5	7,371
86	2.42	1,453	11.6	8,127	2.39	477	4.78	669	2.10	1,259	10.6	7,434
87	2.55	1,528	11.9	8,316	2.45	490	4.92	689	2.15	1,291	10.7	7,497
88	2.67	1,604	12.2	8,505	2.50	500	5.08	711	2.21	1,323	10.8	7,560
89	2.81	1,685	12.5	8,757	2.57	518	5.23	732	2.26	1,355	10.9	7,623
1990	2.94	1,766	12.8	8,946	2.63	526	5.38	753	2.31	1,388	11.0	7,686
91	3.10	1,859	13.1	9,135	2.69	538	5.54	776	2.38	1,426	11.1	7,749
92	3.25	1,949	13.4	9,387	2.75	551	5.71	799	2.43	1,458	11.3	7,875
93	3.41	2,047	13.7	9,576	2.87	574	5.88	823	2.49	1,496	11.3	7,938
94	3.58	2,149	14.0	9,828	2.89	578	6.06	848	2.56	1,534	11.4	8,001
1995	3.76	2,257	14.4	10,080	2.95	590	6.24	873	2.62	1,571	11.5	8,064
96	3.95	2,371	14.8	10,332	3.02	605	6.43	900	2.68	1,609	11.6	8,127
97	4.15	2,490	15.1	10,584	3.10	619	6.62	927	2.75	1,652	11.7	8,190
98	4.36	2,614	15.5	10,836	3.17	634	6.82	955	2.82	1,690	11.8	8,253
99	4.57	2,743	15.8	11,088	3.25	650	7.02	983	2.89	1,733	11.9	8,316
2000	4.80	2,878	16.2	11,340	3.33	666	7.24	1,013	2.96	1,777	12.0	8,379

Source: Table A - 2c

Mauritanie : Projections de la Production des Graines de Melon Aliment et K-Calories

Table A - 2e

Mauritania: Forecast of Mellon Seed Production, Food and Kilo-Calories
(in thousands of metric tons)
(en milliers de tonnes métriques)

	Scenario A		Scenario B		Scenario C	
	Production & Food/aliment	K - cal millions	Production & Food/aliment	K - cal millions	Production & Food/aliment	K - cal millions
1980	1.96	10,153	1.96	10,153	1.96	10,153
81	2.08	10,774	2.01	10,412	2.08	10,774
82	2.15	11,344	2.06	10,871	2.20	11,396
83	2.30	11,914	2.11	10,930	2.33	12,069
84	2.41	12,483	2.16	11,189	2.46	12,743
1985	2.51	13,002	2.22	11,500	2.60	13,468
86	2.62	13,572	2.27	11,759	2.75	14,245
87	2.73	14,141	2.33	12,069	2.91	15,074
88	2.84	14,711	2.39	12,380	3.08	15,954
89	2.95	15,281	2.45	12,691	3.26	16,867
1990	3.06	15,851	2.51	13,002	3.45	17,871
91	3.17	16,421	2.57	13,313	3.65	18,907
92	3.27	16,939	2.64	13,675	3.86	19,995
93	3.39	17,508	2.70	13,986	4.09	21,186
94	3.49	18,078	2.77	14,349	4.32	22,378
1995	3.60	18,648	2.84	14,711	4.58	23,724
96	3.71	19,218	2.91	15,074	4.84	25,071
97	3.82	19,788	2.98	15,436	5.12	26,522
98	3.93	20,357	3.06	15,851	5.42	28,076
99	4.03	20,875	3.13	16,213	5.73	29,681
2000	4.14	21,445	3.21	16,628	6.07	31,443

Mauritanie : Projections des Légumineuse et Kilo -calories

Table A - 3d

Mauritania Forecast of Pulses Food and Kilo-Calories

(in thousands of metric tons and millions of kilo-calories)
(en milliers de tonnes métriques et millions de Kilo-calories)

Année	Scenario A		Scenario B		Senario C	
Year	Aliment / Food	K-cal	Aliment / Food	K-cal	Aliment / Food	K-cal
1980	18.3	30,794	18.3	30,794	18.3	30,794
81	20.4	34,332	20.4	34,332	20.4	34,332
82	22.2	37,215	22.6	38,002	21.4	35,905
83	23.6	39,705	22.4	37,608	22.4	37,608
84	24.0	40,360	22,6	38,002	23.0	38,657
1985	24.3	40,884	23.2	38,919	24.7	41,540
86	24.5	41,147	23.8	39,967	26.5	44,554
87	25.7	43,243	22.2	37,346	27.9	46,912
88	27.6	46,388	25.1	42,195	27.8	46,650
89	27.6	46,650	27,5	46,126	28.7	48,223
1990	27.8	46,781	29.1	48,878	30.7	51,499
91	30.4	51,106	28.4	47,699	31.1	53,988
92	31.0	52,023	29.3	49,140	32.7	54,906
93	30.6	51,368	30.6	51,368	33.1	55,561
94	30.8	51,761	31.4	52,678	33.1	55,561
1995	33.0	55,430	33.7	56,609	33.1	55,561
96	32.4	54,382	36.1	60,672	33.2	55,692
97	30.3	50,844	38.0	63,816	33.4	56,085
98	34.1	57,264	37.8	63,423	33.8	56,740
99	37.2	62,506	38.8	65,258	35.7	60,016
2000	36.5	66,306	41.6	69,844	37.8	63,423

Source: A - 3c

Mauritanie : Projections des Tubercules et Kilo-calories
Table A - 4d

Mauritania: Forecast Of Root Crop Food and Kilo-Calories
(in thousands of metric tons and millions of kilo-calories)
en milliers de tonnes métriques et millions de Kilo calories

Année Year	Scenario A: Pomme de terre White Potatoes Food aliment	Scenario A: Pomme de terre White Potatoes K-cal	Scenario A: Patate douce et Ignames Sweet Pot. & Yams Food aliment	Scenario A: Patate douce et Ignames Sweet Pot. & Yams K - cal	Scenario B: Pomme de terre White Potatoes Food aliment	Scenario B: Pomme de terre White Potatoes K-cal	Scenario B: Patates douce et ignames Sweet Pot. & Yams Food aliment	Scenario B: Patates douce et ignames Sweet Pot. & Yams K-cal	Scenario C: Pom. de terre White Potatoes Food aliment	Scenario C: Pom. de terre White Potatoes K-cal	Scenario C: Pat. douce et Ign. Sweet Pot. & Yams Food aliment	Scenario C: Pat. douce et Ign. Sweet Pot. & Yams K-cal
80	3.2	2,239	3.4	2,428	3.2	2,239	3.4	2,428	3.2	2,239	3.4	2,428
81	3.8	2,711	3.8	2,722	3.8	2,711	3.8	2,722	3.3	2,711	3.8	2,722
82	4.4	3,123	4.2	2,959	4.5	3,182	4.2	3,016	4.2	3,005	4.0	2,856
83	4.9	3,477	4.4	3,157	4.6	3,300	4.2	2,991	4.6	3,300	4.2	2,991
84	5.3	3,772	4.5	3,227	5.0	3,536	4.3	3,035	5.1	3,595	4.3	3,086
85	5.6	3,948	4.5	3,284	5.6	3,948	4.7	3,342	5.6	4,007	4.7	3,329
86	5.8	4,125	4.7	3,310	5.6	4,007	4.5	3,214	6.3	4,479	5.0	3,585
87	6.3	4,479	4.9	3,495	5.5	3,899	4.2	3,016	6.9	4,891	5.3	3,789
88	7.0	4.950	5.3	3,757	6.4	4,538	4.8	3,412	7.1	5,009	5.3	3,783
89	7.2	5,127	5.3	3,783	7.1	5,068	5.3	3,745	7.5	5,304	5.5	3,917
90	7.5	5,304	5.4	3,815	7.8	5,550	5.6	3,987	8.2	5,834	5.9	4,198
91	8,3	5,893	5.9	4,179	7.7	5,480	5.5	3,898	8.8	6,247	6.2	4,415
92	8.6	6,126	6.0	4,269	8.1	5,775	5.7	4,038	9.1	6,482	6.4	4,511
93	8.6	6,129	5.9	4,224	8.6	6,129	5.9	4,224	9.4	6,659	6.4	4,575
94	8.9	6,306	6.0	4,231	9.0	6,423	6.1	4,358	9.5	6,777	6.5	4,601
95	9.6	6.836	6.5	4,594	9.8	6,994	6.6	4,697	9.6	6,836	6.5	4,614
96	9.5	6,777	6.4	4,524	10.7	7,602	7.1	5,048	9.8	6,954	6.5	4,639
97	9.0	6,423	6.0	4,249	11.4	8,073	7.5	5,329	10.0	7,072	6.6	4,684
98	10.3	7,807	6.8	4,799	11.4	8,073	7.5	5316	10.2	7,248	6.7	4,754
99	11.3	8,014	7.4	5,259	11.9	8,427	7.7	5,502	10.9	7,720	7.1	5,048
00	12.1	8,604	7.9	5,591	12.8	9,075	8.3	5,898	11.6	8,250	7.5	5,310

Source: A - 4c

Mauritanie : Projections de la Production des Arachides Aliment et Kilo-calories

Table A - 5c & d

Mauritania: Forecast of Groundnut Production, Food and Kilo-Calories

(in thousands of metric tons and million of kilo-calorie)
(en milliers de tonnes métriques et millions de kilo calories)

Year Année	Scenario A			Scenario B			Scenario C		
	Production	Food Aliment	K-cal	Production	Food Aliment	K-cal	Production	Food Aliment	K-cal
1980	3.24	.94	7,763	3.24	.94	7,763	3.24	.94	7,763
81	3.67	1.06	8,794	3.67	1.06	8,794	3.67	1.06	8,794
82	4.03	1.17	9,656	4.11	1.19	9,848	3.89	1.13	9,321
83	4.34	1.26	10,399	4.11	1.19	9,848	4.11	1.19	9,848
84	4.47	1.30	10,711	4.21	1.22	10,088	4.28	1.24	10,255
1985	4.58	1.33	10,974	4.54	1.32	10.878	4.64	1.35	11.118
86	4.64	1.35	11,118	4.51	1.31	10,806	5.03	1.46	12.052
87	4.92	1.43	11.789	4.25	1.23	10,183	5.33	1.55	12.771
88	5.31	1.54	12.723	4.82	1.40	11,549	5.34	1.55	12.795
89	5.36	1.55	12,843	5.30	1.54	12,699	5.54	1.61	13,274
1990	5.41	1.57	12,963	5.65	1.64	13,538	5.96	1.73	14.281
91	5.93	1.72	14,209	5.53	1.60	13,250	6.27	1.82	15,024
92	6.05	1.75	14,496	5.73	1.66	13,730	6.40	1.86	15,335
93	5.99	1.74	14,353	5.99	1.74	14,353	6.48	1.88	15,527
94	6.06	1.76	14,520	6.16	1.79	14,760	6.51	1.89	15,599
95	6.49	1.88	15,551	6.63	1.92	15,886	6.51	1.89	15,599
96	6.37	1.85	15,263	7.11	2.06	17,036	6.54	1.90	15,670
97	5.96	1.73	14,281	7.48	2.17	17,923	6.57	1.91	15,742
98	6.71	1.95	16,078	7.43	2.15	17,803	6.65	1.93	15,934
99	7.31	2.12	17,515	7.65	2.22	18,330	7.03	2.04	16,845
2000	7.74	2.24	18,546	8.16	2.37	19,552	7.41	2.15	17,755

Mauritanie : Projection de la Production de la Viande de Bovins et kilo calories

Table A - 7d

Mauritania. Forecast of Cattle Production Food and Kilo calories
(in thousands of metric tons and millions of kilo calories)
(en milliers de tonnes métriques et millions de kilo calories)

Année Year	Scenario A Viande Meat	K cal	Lait Milk	K cal	Scenario B Viande Meat	K cal	Lait Milk	K cal	Scenario C Viande Meat	K cal	Lait Milk	K cal
1980	20.8	33586	57.0	52456	20.8	33586	57.0	52456	20.8	33586	57.0	52456
81	20.7	33348	58.9	54149	20.7	33348	58.9	54149	20.7	33348	58.9	54149
82	20.7	33348	61.4	56475	20.7	33348	61.1	56227	21.0	33824	61.7	56722
83	19.9	32157	58.4	53703	19.8	31918	55.5	52020	21.1	34062	64.9	59692
84	19.9	32157	60.9	56029	18.7	30251	50.7	46625	20.7	33348	63.7	58603
1985	19.5	31442	59.2	54495	18.6	30013	52.7	48506	21.0	33824	67.0	61672
86	18.7	30251	55.5	51080	17.9	28822	48.5	44596	21.1	34062	71.0	65285
87	18.7	30251	58.5	53852	16.5	26678	38.8	35735	21.4	34539	75.8	69690
88	18.9	30489	61.9	56920	16.4	26440	39.3	36132	21.1	34062	73.0	67117
89	18.3	29536	60.1	55337	16.2	26202	40.1	36875	20.7	33348	69.9	64345
1990	17.7	28584	56.5	51971	16.2	26202	41.3	37963	21.0	33824	74.9	68898
91	17.7	28584	59.7	54891	15.6	25249	37.5	34499	21.3	34300	80.6	74145
92	17.5	28345	59.7	54891	15.1	24296	33.8	31083	21.3	34300	81.2	74689
93	17.0	27393	56.3	51773	14.9	24058	34.4	31677	21.0	33824	79.7	73353
94	16.4	26440	52.5	48259	14.6	23581	33.2	30539	20.5	33100	77.0	70878
1995	16.4	26440	55.7	51278	14.5	23343	33.7	31034	19.8	31918	73.2	67364
96	15.9	25725	53.5	49199	14.5	23343	34.4	31677	19.2	30966	69.8	64246
97	15.1	24296	45.0	41428	14.3	23105	35.4	32568	18.7	30251	67.3	61919
98	15.1	24296	47.1	43358	14.0	22629	33.3	30638	18.5	29775	66.0	60732
99	15.1	24296	49.8	45833	13.7	22152	31.1	28609	18.9	30489	71.2	65533
2000	15.2	24534	53.3	49001	13.6	21914	31.7	29153	19.5	31442	76.7	70532

Source: See Table A - 7c. Meat factor derived from offtake, milk from ending herd figures.

Source : Voire Tableau A-7c La viande est dérivé du taux d'exploitation et la production de lait vient des chiffres du troupeau de fin d'année.

Mauritanie : Projections de la viande d'ovins et Kilo-calories

Table A - 9d

Mauritania - Forecast of Sheep Production Food and Kilo-calories
(in thousands of metric tons and millions of kilo calories)
(en milliers de tonnes métriques et millions de kilo-calories

Année Year	Via Scenario A Meat	K-cal	Lait Milk	K cal	Viande Meat	Scenario B K cal	Milk/lait	K cal	viande Meat	Scenario C K cal	Milk/Lait	K cal
1980	9.1	17553	39.3	32640	9.1	17553	39.3	32640	9.1	17553	39.3	32640
81	9.5	18364	43.5	36085	9.5	18364	43.5	36085	9.5	18364	43.5	36085
82	9.9	19247	48.2	39976	10.0	19414	49.8	41352	9.9	19080	45.4	37696
83	10.1	19533	47.9	39728	10.1	19581	48.3	40051	10.2	19771	50.0	41463
84	10.6	20511	53.4	44326	10.1	19557	45.5	37758	10.3	20034	49.3	40955
1985	10.8	20964	54.3	45069	10.6	20511	50.6	42009	10.9	21059	55.1	45739
86	10.8	20368	50.7	42046	10.6	20582	48.2	39976	11.5	22252	62.2	51625
87	11.3	21870	55.9	45420	10.2	19867	39.3	32578	12.2	23635	70.7	58676
88	11.9	23063	62.8	52120	10.6	20630	42.6	35329	12.2	23730	68.5	56879
89	12.1	23516	63.6	52752	11.1	21441	46.4	38489	12.3	23778	65.7	54512
1990	12.0	23325	58.8	48787	11.5	22323	50.6	41971	13.0	25257	74.8	62106
91	12.7	24613	66.3	54995	11.5	22252	46.7	38774	13.9	26950	85.8	71179
92	13.0	25281	68.5	56879	11.4	22180	42.2	35020	14.2	27451	86.6	71910
93	12.9	25026	62.9	52182	11.8	22848	44.9	37300	14.2	27594	84.3	69977
94	12.7	24589	55.6	46321	11.9	23087	43.4	35986	14.1	27427	79.5	66012
1995	13.2	25638	61.0	50596	12.3	23802	45.7	37969	13.9	27022	72.9	60534
96	13.2	25686	57.7	47932	12.7	24565	48.5	40261	13.7	26545	65.0	53942
97	12.6	24374	43.1	35775	13.1	25376	51.5	42764	13.5	26115	57.6	47820
98	12.9	25018	44.6	36990	13.1	25376	47.7	39592	13.3	25734	50.6	41984
99	13.2	25638	45.9	38080	13.1	25352	43.5	36085	13.7	26473	52.8	43843
2000	13.5	26211	46.7	38787	13.3	25758	44.5	36915	14.1	27260	55.3	45937

Source: Table A - 9c. Meat factor derived form offtak, milk from ending herd figures.

La production de viande est dérivé du taux d'exploitation, la production de lait vient des chiffres du troupeau en fin d'année

Projections de la
Mauritanie : Production de la Viande des Ovins et Kilo-calories

Table 11d

Mauritania : Forecast of Goat Production Food and Kilo calories
(in thousands of metric tons and millions of kilo-calories)
(en milliers de tonnes métriques et millions de kilo-calories)

Année Year	Viande Meat	Scenario A K-cal	Lait Milk	K cal	Viande Meat	Scenario B K-cal	Milk/lait	K cal	Viande Meat	Scenario C K-cal	Lait Milk	K cal
1980	8.2	11641	45.1	38321	8.2	11641	45.1	38321	8.2	11641	45.1	38321
81	8.5	12041	48.3	41035	8.5	12041	48.3	41035	8.5	12041	48.3	41035
82	8.8	12473	51.9	44085	8.8	12489	53.4	45427	8.8	12489	51.0	43338
83	8.9	12634	51.3	43597	9.0	12752	53.2	45229	9.1	12842	53.5	45473
84	9.2	13098	55.3	46967	9.1	12826	51.1	43460	9.2	13034	53.1	45122
1985	9.4	13306	55.2	46921	9.4	13274	54.8	46586	9.5	13514	57.0	48446
86	9.5	13418	53.7	45686	9.5	13434	53.9	45833	9.9	14059	61.7	52411
87	9.8	13882	57.5	48888	9.4	13258	48.2	40974	10.4	14667	67.1	57031
88	10.2	14427	62.2	52884	9.6	13658	50.8	43200	10.5	14875	66.5	56498
89	10.3	14635	61.9	52655	9.9	14075	53.7	45671	10.6	15019	64.9	55140
1990	10.4	14731	60.2	51130	10.2	14523	56.9	48385	11.1	15660	70.6	59974
91	10.6	15508	65.1	55293	10.3	14619	55.0	46703	11.5	16364	77.2	65547
92	11.0	15564	65.3	55522	10.3	14635	51.7	43917	11.3	16701	78.4	66623
93	11.0	15644	53.0	53570	10.6	15003	53.4	45396	11.8	16925	77.5	65873
94	11.1	15676	59.8	50794	10.7	15179	52.2	44375	12.0	17053	75.3	64046
1995	11.4	16172	63.3	53768	11.0	15532	53.8	45762	12.1	17117	71.8	61057
96	11.5	16236	60.3	51252	11.2	15916	55.6	47257	12.1	17133	67.7	57565
97	11.3	15964	52.4	44512	11.2	16300	57.4	48766	12.1	17133	63.2	53722
98	11.5	16316	53.5	45473	11.6	16380	54.5	46295	12.1	17117	58.4	49620
99	11.8	16669	54.4	46281	11.5	16364	50.0	42484	12.4	17501	59.5	50596
2000	12.0	16989	55.0	46784	11.7	16621	49.6	42118	12.6	17902	60.6	51542

Source. Table 11c. Meat factor derived from offtake, milk factor from ending herd figures.

Tableau 11c. La production de viande est dérivé du taux d'exploitation, la production de lait vient des chiffres du troupeau en fin d'année.

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Projections de la
Mauritanie : Production de la Viande des Camelins et Kilo-calories

Table A 13d

Mauritania: Forecast of Camel Production Food and Kilo calories
(in thousands of metric tons and millions of kilo calories)
(en milliers de tonnes métriques et millions de kilo-calories)

	Scenario A				Scenario B				Scenario C			
Year Année	Meat Viande	K-cal	Milk Lait	K-cal	Meat Viande	K-cal	Milk Lait	K-cal	Meat Viande	K cal	Milk Lait	K cal
1980	11.7	12008	17.1	10766	11.7	12008	17.1	10766	11.7	12008	17.1	10766
81	11.8	12199	17.6	11078	11.8	12199	17.6	11078	11.8	12199	17.6	11078
82	11.8	12199	18.1	11406	11.8	12199	18.2	11488	11.8	12199	17.8	11225
83	11.8	12199	17.7	11176	11.7	12008	17.5	11012	12.0	12389	18.3	11554
84	12.0	12389	18.3	11521	11.7	12008	17.4	10979	12.0	12389	18.2	11439
1985	12.0	12389	18.1	11406	11.8	12199	17.9	11308	12.2	12580	18.7	11800
86	12.0	12389	18.0	11340	11.7	12008	17.1	10750	12.4	12771	19.3	12161
87	12.2	12580	18.5	11652	11.5	118.8	16.3	10257	12.6	12961	19.9	12555
88	12.2	12580	19.1	12030	11.7	12008	16.7	10536	12.4	12771	19.1	12013
89	12.4	12771	18.7	11767	11.8	12199	17.2	10832	12.4	12771	19.0	11997
1990	12.4	12771	18.6	11718	11.8	12199	17.7	11127	12.6	12961	19.6	12374
91	12.4	12771	19.2	12079	11.7	12008	16.6	10471	13.0	13342	20.2	12752
92	12.6	12961	19.1	12030	11.7	12008	16.7	10520	12.8	13152	19.9	12522
93	12.6	12961	18.8	11849	11.8	12199	17.1	10766	12.8	13152	19.6	12374
94	12.6	12961	18.8	11816	11.8	12199	17.1	10750	12.3	13152	19.4	12194
1995	12.8	13152	19.3	12161	12.0	12389	17.5	11029	12.6	12961	19.1	12013
96	12.8	13152	18.3	11537	12.2	12580	18.0	11324	12.6	12961	18.8	11816
97	12.8	13152	17.4	10979	12.4	12771	18.5	11636	12.4	12771	18.4	11619
98	12.8	13152	17.8	11242	12.2	12580	17.8	11209	12.4	12771	18.1	11406
99	13.0	13342	18.3	11504	12.4	12771	17.9	11291	12.8	13152	18.5	11669
2000	13.0	13342	18.7	11783	12.4	12771	18.4	11587	13.0	13342	19.0	11948

Source : Table 13c. Meat factor derived from offtake, milk factor from ending of herd figure.

Tableau 13c La production de viande est dérivé du taux d'exploitation, la production de lait vient des chiffres du troupeau en fin d'année.

Mauritanie : Projections de la Production de la Viande de Volaille et K-Calories

Table A-15d

Mauritania . Forecast of Poultry Food and Kilo-Calories
(in metric tons and million of kilo-calories)
(en tonnes métrique et millions de kilo calories)

	Scenario A			Scenario B			Scenario C		
	Consumption			Consumption			Consumption		
Year	Eggs/Oeuf MT	Meat /viande MT	K - cal	Eggs/oeufs MT	Meat/Viande MT	K - cal	Eggs/Oeuf MT	Meat /Viande MT	K - cal
1980	1,950	2,429	6,500	1,940	2,417	6,474	1,959	2,441	6,538
81	1,983	2,490	6,669	1,979	2,466	6,603	2,018	2,515	6,735
82	2,048	2,553	6,836	2,019	2,515	6,737	2,078	2,590	6,936
83	2,099	2,616	7,005	2,059	2,565	6,870	2,141	2,668	7,145
84	2,152	2,681	7,131	2,100	2,616	7,008	2,205	2,748	7,359
1985	2,206	2,748	7,361	2,142	2,669	7,147	2,272	2,831	7,583
86	2,261	2,817	7,545	2,185	2,722	7,291	2,340	2,915	7,807
87	2,317	2,887	7,735	2,229	2,777	7,437	2,409	3,002	8,040
88	2,376	2,960	7,928	2,279	2,832	7,585	2,482	3,092	8,281
89	2,435	3,034	8,125	2,319	2,889	7,737	2,556	3,185	8,531
1990	2,495	3,109	8,328	2,365	2,947	7,892	2,633	3,281	8,787
91	2,558	3,188	8,537	2,412	3,000	8,051	2,712	3,379	9,049
92	2,622	3,267	8,751	2,461	3,066	8,211	2,793	3,481	9,322
93	2,688	3,349	8,969	2,509	3,127	8,374	2,877	3,585	9,602
94	2,755	3,433	9,193	2,560	3,190	8,544	2,963	3,692	9,889
1995	2,824	3,519	9,420	2,611	3,253	8,713	3,052	3,803	10,185
96	2,894	3,606	9,659	2,663	3,319	8,888	3,144	3,918	10,492
97	2,967	3,696	9,900	2,717	3,385	9,066	3,238	4,035	10,805
98	3,041	3,789	10,147	2,771	3,452	9,246	3,336	4,156	11,131
99	3,117	3,884	10,401	2,821	3,516	9,415	3,435	4,280	11,463
2000	3,195	3,981	10,662	2,883	3,592	9,621	3,538	4,409	11,808

Mauritanie : Projections de la Production de la Pêche et Kilo calories

Table A - 16c & d

Mauritania: Forecast of Fisheries Production, Food and Kilo-Calories
(in thousands of metric tons and millions of kilo-calories)
(en milliers de tonnes métriques et millions de kilo-calories)

Year / Année	Scenario A			Scenario B			Scenario C		
	Catch / Prise	Food / Aliment	K-cal	Catch / Prise	Food / Aliment	K - cal	Catch / Prise	Food / Aliment	K - cal
1980	42.6	32.0	25,560	42.6	32.0	25,560	42.6	32.0	25,560
81	44.5	33.4	26,700	44.2	33.2	26,520	44.5	33.4	26,700
82	46.5	34.9	27,900	45.7	34.3	27,420	46.4	34.8	27,840
83	48.4	36.3	29,040	47.3	35.5	28,380	48.4	36.3	29,040
84	50.4	37.8	30,240	48.8	36.8	29,280	50.5	37.9	30,300
1985	52.3	39.2	31,380	50.3	37.7	30,180	52.7	39.5	31,620
86	54.2	40.7	32,520	51.8	38.9	31,080	54.9	41.2	32,940
87	56.2	42.2	33,720	53.3	40.0	31,980	57.2	42.9	34,320
88	58.1	43.6	34,860	54.7	41.0	32,820	59.5	44.6	35,700
89	60.1	45.1	36,060	56.2	42.2	33,720	62.0	46.5	37,200
1990	62.0	46.5	37,200	57.6	43.2	34,560	64.5	48.4	38,700
91	63.9	47.9	38,340	59.0	44.3	35,400	67.2	50.4	40,320
92	65.8	49.4	39,540	60.4	45.3	36,240	70.0	52.5	42,000
93	67.8	50.9	40,680	61.8	46.4	37,080	72.9	54.7	43,740
94	69.8	52.4	41,880	63.1	47.3	37,860	75.9	56.9	45,540
1995	71.7	53.8	43,020	64.5	48.4	38,700	79.0	59.3	47,400
96	73.6	55.2	44,160	65.8	49.4	39,480	82.3	61.7	49,380
97	75.6	56.7	45,366	67.1	50.3	40,260	85.7	64.3	51,420
98	77.5	58.1	46,500	68.4	51.3	41,040	89.2	66.9	53,520
99	79.5	59.6	47,700	69.7	52.3	41,829	92.9	69.7	55,740
2000	81.4	61.1	48,840	71.0	53.3	42,600	96.7	72.5	58,020

Table F - 1

Mauritania: Food Production in kilo-Calories

Mauritanie : Production Alimentaires en Kilo-calories

Summary
Sommaire

Année Year	Céréales Crops	Viande Livestock Off-take	Volaille et lait Poultry Dairy	Poisson Fish	Total
	(in millions of kilo-calorie) (en millions de kilo-calories)				
1967	306,470	93,637	203,210	28,198	631,515
68	315,244	92,328	191,547	30,619	629,738
69	357,394	95,589	204,557	33,721	691,261
1970	290,584	95,275	206,012	40,700	632,571
71	196,673	85,686	185,147	38,083	505,589
72	159,074	72,627	130,955	27,961	390,617
73	195,182	63,239	112,347	29,459	300,227
74	181,911	63,822	123,440	23,156	392,329
1975	188,831	66,538	128,312	22,408	406,089
76	173,153	69,588	146,898	20,007	409,646
77	131,662	70,850	133,731	19,843	356,086
78	128,159	72,648	147,584	24,588	372,979
79	182,631	74,356	155,453	24,751	437,191

Table F - 2

Mauritania: Food Imports in Kilo-Calories

Mauritanie : Importations des Produits Alimentaires

sommaire et kilo-calories

Summary

Année Year	Céréales Crops	Viande et dérivés Livestock Products	Lait et Dairy Poultry Volaille	Poisson Fish	Total
	(- - - - - in millions of kilo calories - - - -)				
	(en millions de kilo-calories)				
1967	276,088	12	2012	-	278,112
68	274,240	40	2228	-	276,508
69	228,289	55	5226	-	233,570
1970	289,039	95	6621	2412	298,167
71	326,766	95	8700	536	336,097
72	391,608	128	9338	13,495	414,569
73	476,112	166	20,558	13,092	509,928
74	544,428	237	26,902	17,355	588,922
1975	403,082	471	44,402	19,088	467,074
76	506,982	532	33,481	15,064	556,132
77	625,224	509	36,144	15,160	677,139
78	713,240	308	51,522	13,211	778,281
79	716,332	308	51,530	13,267	781,437

Mauritanie : Exportations de Produits Alimentaires et K.Calori.

Tables F - 3

Mauritania: Food Exports in Kilo-Calories

Résumé
Summary

Année Year	Céréales Crop Products	Viande et produits dérivés Animal & Livestock Products	Volaille Poultry	Poisson Fish	Total
	(- - - - - in millions of kilo-calories - - - - -) en millions de kilo-calories				
1967	-	30,697	-	15,445	46,142
68	700	28,205	-	15,521	44,426
69	700	29,955	-	16,466	47,121
1970	700	29,134		21,142	50,976
71	700	25,115	-	22,736	48,551
72	700	17,676	-	17,054	35,430
73	700	13,037	-	18,604	32,341
74	700	14,312	-	24,089	39,101
1975	840	15,112	-	22,987	38,939
76	840	16,283	-	16,598	33,721
77	910	15,129	-	16,598	32,637
78	1050	16,122	-	19,191	36,363
79	1050	16,728	-	20,071	37,849

Table F - 4

Mauritania: Changes in Food Stocks in kilo-Calories

Mauritanie : Variations de Stocks de Produits Alimentaires et K-Calorie

Résumé
Summary

Année Year	Céréales Cereals	Légumineuses Pulses	Autres Other	Total
	(in millions of kilo-calories - - - -)			
1967	- 12,012	- 5880	-6080	- 23,972
68	- 9,464	+ 3360	+1330	- 4,774
69	- 10,520	+ 840	+9880	+ 200
1970	+ 14,825	+ 840	+ 380	+ 16,045
71	- 3,529	+ 840	-1520	- 4,209
72	+ 20,700	-	-9368	+ 11,332
73	-	-	-4200	- 4,200
74	- 50,360	-	-3242	- 53,602
1975	+ 68,260	-	+11,710	+ 79,970
76	+ 10,740	-	-6,080	+ 4,660
77	-	-	-26,600	- 26,600
78	-	-	-18,620	- 18,620
79	- 29,000	-	-	- 29,000

Table F - 5

/ 3

Mauritania: Food Consumption in Kilo-Calories

Mauritanie : Consommation Alimentaire en Kilo Calorie

Année Year	Population Human Population	Céréales Crop Products	Résumé Summary Produits de Livestock Products l'élevage	Lait Dairy & Poultry Products et Volaille	Poisson Fish Products	K-calories /person/day ~~Pers./jour~~
	(000)	(- - in millions of kilo-calories - -) en millions de kilo-calories				
1967	1,086,700	558,586	62,952	205,222	12,753	2117
68	1,110,800	584,010	64,163	193,775	15,098	2114
69	1,135,500	585,183	65,689	209,783	17,255	2118
1970	1,160,700	594,968	66,236	212,633	21,970	2114
71	1,186,500	518,530	60,666	193,847	15,883	1822
72	1,212,800	561,314	55,079	140,293	24,402	1764
73	1,239,800	536,394	50,368	132,905	23,947	1710
74	1,267,300	672,037	49,747	150,342	16,422	1921
1975	1,295,400	671,043	51,897	172,745	18,509	1933
76	1,324,200	683,955	53,837	180,452	18,473	1938
77	1,353,600	729,376	56,230	169,977	18,405	1971
78	1,386,100	821,729	56,834	199,106	18,608	2167
79	1,419,400	868,913	57,936	206,983	17,947	2223

Mauritanie ; Consommation Alimentaire en Calories

Exhibit G-0

Mauritania: Food Consumption in Calories

Année Year	Mid Year /Population Population (milieu de l'année in thousands/ en milliers	Aliment en Food in Billions /milliard of K-cal /de K-Calo.	Aliment Food K-cal /de K-Calories per person /P/Pers/jour per day
1967	1086.7	839.5	2117
1968	1110.8	857.0	2114
1969	1135.5	877.9	2118
1970	1160.7	895.8	2114
1971	1186.5	788.9	1822
1972	1212.8	781.1	1764
1973	1239.8	773.6	1710
1974	1267.3	888.5	1921
1975	1295.4	914.2	1938
1976	1324.2	936.7	1938
1977	1353.6	974.0	1971
1978	1386.1	1096.3	2167
1979	1419.4	1151.8	2223
		Projections	
1980	1453.4	1098.1	2070
1981	1488.3	1129.9	2080
1982	1524.0	1162.6	2090
1983	1560.6	1196.2	2100
1984	1598.0	1230.7	2110
1985	1636.4	1266.2	2120
1986	1675.7	1302.8	2130
1987	1715.9	1340.3	2140
1988	1757.1	1378.9	2150
1989	1799.2	1418.5	2160
1990	1842.4	1459.3	2170
1991	1886.6	1501.2	2180
1992	1931.9	1544.3	2190
1993	1978.3	1588.6	2200
1994	2025.8	1634.1	2210
1995	2074.4	1680.9	2220
1996	2124.2	1729.0	2230
1997	2175.2	1778.4	2240
1998	2227.4	1829.3	2250
1999	2280.8	1881.4	2260
2000	2332.6	1235.2	2270

Mauritanie : Résumé de la Projection des Produits Alimentaires en Kilo-Calories

Table G-1

Mauritania: Summary of Food Production Forecasts in Kilocalories

Scenario A

en millions de kilo calories
in millions of kilocalories

née / ear	Céréales / Cereals	Fruits et Fruits and Vegetables légumes	Légumineuse / Pulses	Tubercules / Root Crops	Arachides / Groundnuts	Viande / Livestock	Dairy/Lait / Poultry Volaille	Fisheries Pêche	Total
980	92,944	19,269	30,794	4,667	7,763	74,788	140,699	25,560	396,484
981	110,502	20,236	34,332	5,433	8,794	75,952	149,016	26,700	430,965
982	126,443	21,087	37,215	6,082	9,656	77,267	158,778	27,900	464,428
983	140,310	21,943	39,705	6,634	10,399	76,523	155,209	29,040	479,763
984	141,655	22,856	40,360	6,999	10,711	78,155	166,024	30,240	497,000
985	142,186	23,665	40,884	7,232	10,974	78,101	165,252	31,380	499,674
986	142,241	24,520	41,147	7,435	11,118	76,926	157,697	32,520	493,604
987	166,027	25,383	43,243	7,974	11,789	75,583	168,547	33,720	532,266
988	175,218	26,243	46,388	8,707	12,723	80,559	181,882	34,860	566,580
989	174,387	27,172	46,650	8,910	12,843	80,458	180,636	36,060	567,116
990	175,050	28,036	46,781	9,119	12,963	79,411	171,934	37,200	560,494
991	206,453	28,906	51,106	10,072	14,209	79,988	185,795	38,340	614,869
992	214,397	29,721	52,023	10,398	14,496	82,151	188,073	39,540	630,799
993	211,802	30,597	51,368	10,353	14,353	81,016	178,343	40,680	618,512
994	217,999	31,532	51,761	10,587	14,520	79,666	166,383	41,880	614,328
995	245,194	32,414	55,430	11,430	15,551	81,402	177,227	43,020	661,668
996	240,943	33,291	54,382	11,301	15,263	80,799	169,579	44,160	649,718
997	222,497	34,179	50,844	10,672	14,281	77,786	142,594	45,360	598,213
998	267,745	35,060	57,264	12,106	16,078	78,782	147,210	46,500	660,745
999	309,032	35,964	62,506	13,273	17,515	79,945	152,099	47,700	718,034
000	340,700	36,856	66,306	14,195	18,546	81,076	157,017	48,840	763,536

Mauritanie : Résumé de la Projection des Produits Alimentaires en Kilo-Calories

Table G-2

Mauritania: Summary of Food Production Forecasts in Kilocalories

Scenario B

en millions de Kilo-Calories)
in millions of kilocalories

nnée / ear	Céréales / Cereals	Fruits et Légumes / Fruits and Vegetables	Légumineuse / Pulses	Tubercules / Root Crops	Arachides / Groundnuts	Viande / Livestock	Lait / Dairy	Poultry et Volaille	Fisheries Pêche	Total
980	92,944	19,269	30,794	4,667	7,763	74,788	140,667		25,560	396,452
981	110,502	19,862	34,332	5,433	8,794	75,952	148,950		26,520	430,345
982	132,220	20,401	38,002	6,198	9,848	77,450	161,231		27,420	472,770
983	126,078	21,003	37,608	6,291	9,848	76,269	155,182		28,380	460,659
984	125,927	21,608	38,002	6,571	10,088	74,642	145,830		29,280	451,948
985	140,459	22,274	38,919	7,291	10,878	75,997	155,556		30,180	481,554
986	133,800	22,882	39,967	7,221	10,806	74,846	148,451		31,080	469,053
987	119,766	23,553	37,346	6,905	10,183	71,621	126,982		31,980	428,336
988	146,561	24,227	42,195	7,950	11,549	72,736	132,782		32,820	470,820
989	171,690	24,969	46,126	8,812	12,699	73,917	139,604		33,720	511,537
990	189,098	25,650	48,878	9,526	13,538	75,247	147,338		34,560	543,835
991	183,142	26,340	47,699	9,378	13,250	74,128	138,503		35,400	527,840
992	193,736	27,146	49,140	9,813	13,730	73,119	128,751		36,240	531,675
993	212,306	27,847	51,368	10,353	14,353	74,108	133,513		37,080	560,928
994	223,359	28,666	52,678	10,781	14,760	74,046	130,194		37,860	572,344
995	254,399	29,492	56,609	11,251	15,886	75,066	134,507		38,700	615,910
996	286,786	30,328	60,672	12,650	17,036	76,404	139,407		39,480	662,763
997	314,383	31,167	63,816	13,402	17,923	77,552	144,800		40,260	703,303
998	313,973	32,068	63,423	13,389	17,803	76,965	136,981		41,040	695,642
999	330,832	32,921	65,258	13,929	18,330	76,639	127,884		41,820	707,613
2000	369,595	33,835	69,844	14,973	19,552	77,064	119,773		42,600	747,236

Mauritanie : Résumé de la Projection des Produits Alimentaires en Kilo-Calories

Table G-3

Mauritania: Summary of Food Production Forecasts in kilocalories

Scenario C

en millions de kilo calories

in millions of kilocalories

Année Year	Céréales Cereals	Fruits et Légumes Fruits and Vegetables	Légumineuse Pulses	Tubercules Root Crops	Arachides Groundnuts	Viande Livestock	Lait et Volaille Dairy Poultry	Pêche Fisheries	Total
1980	92,944	19,269	30,794	4,667	7,763	74,788	140,731	25,560	396,516
1981	110,502	20,007	34,332	5,433	8,794	75,952	149,082	26,700	430,802
1982	117,697	20,746	35,905	5,861	9,321	77,592	155,917	27,840	450,879
1983	126,078	21,537	37,608	6,291	9,848	79,064	165,327	29,040	474,793
1984	129,651	22,336	38,657	6,681	10,255	78,805	163,478	30,300	480,163
1985	146,665	23,181	41,540	7,336	11,118	80,977	175,240	31,620	517,677
1986	165,865	24,083	44,554	8,064	12,052	83,144	189,289	32,940	559,991
1987	181,539	25,041	46,912	8,680	12,771	85,802	205,992	34,320	601,057
1988	177,721	26,048	46,950	8,792	12,795	85,438	200,788	35,700	594,232
1989	185,776	27,110	48,223	9,221	13,274	84,916	194,525	37,200	600,245
1990	208,832	28,224	51,499	10,032	14,281	87,702	212,141	38,700	651,411
1991	229,098	29,396	53,988	10,662	15,024	90,956	232,772	40,320	702,216
1992	236,737	30,678	54,906	10,993	15,335	91,604	235,066	42,000	717,319
1993	242,534	32,017	55,561	11,234	15,527	91,495	231,182	43,740	723,290
1994	245,204	33,339	55,561	11,378	15,599	90,741	223,019	45,540	720,381
1995	246,416	34,822	55,561	11,450	15,599	89,018	211,153	47,400	711,419
1996	250,561	36,312	55,692	11,593	15,670	87,605	198,061	49,380	704,874
1997	255,188	37,910	56,085	11,756	15,742	86,270	185,885	51,420	700,256
1998	264,383	39,608	56,740	12,002	15,934	85,397	174,873	53,520	702,457
1999	291,402	41,363	60,016	12,768	16,845	87,615	183,104	55,740	748,853
2000	321,485	43,278	63,423	13,560	17,755	89,946	191,767	58,020	799,234

Résumé de la

Mauritanie : Projections des Produits Alimentaires en Tonnes métriques

Table G-4

Mauritania: Summary of Food Production Forecasts in Metric Tons

Scenario-A

en millions de tonnes métriques

in thousands of metric tons

Année Year	Céréales Cereals	Fruits et Légumes Fruits and Vegetables	Légumineuse Pulses	Tubercules Root Crops	Arachides Groundnuts	Viande Livestock	Lait et Volaille Dairy Poultry	Pêche Fisheries	Total
1980	26.7	19.95	18.3	6.6	.94	49.8	162.8	32.0	317.09
1981	31.8	20.75	20.4	7.6	1.06	50.5	172.8	33.4	338.31
1982	36.4	21.55	22.2	8.6	1.17	51.2	184.2	34.9	360.22
1983	40.3	22.38	23.6	9.3	1.26	50.7	180.0	36.3	363.84
1984	40.6	23.19	24.4	9.8	1.30	51.7	192.8	37.8	381.19
1985	40.8	24.02	24.3	10.2	1.33	51.7	191.7	39.2	383.25
1986	40.7	24.85	24.5	10.5	1.35	51.0	183.1	40.7	376.70
1987	47.5	25.73	25.7	11.2	1.43	52.0	195.6	42.2	401.36
1988	50.1	26.52	27.6	12.3	1.54	53.2	211.4	43.6	426.26
1989	49.7	27.49	27.8	12.5	1.55	53.1	209.7	45.1	426.94
1990	49.9	28.40	27.8	12.9	1.57	52.5	199.7	46.5	419.27
1991	58.8	29.22	30.4	14.2	1.72	53.6	216.1	47.9	451.94
1992	60.9	30.14	31.0	14.6	1.75	54.2	218.5	49.4	460.49
1993	60.0	31.09	30.6	14.5	1.74	53.5	207.0	50.9	449.33
1994	61.7	32.06	30.8	14.9	1.76	52.8	193.1	52.4	439.52
1995	69.3	33.07	33.0	16.1	1.88	53.8	205.6	53.8	466.55
1996	68.0	34.06	32.4	15.9	1.85	53.4	196.3	55.2	457.11
1997	62.7	35.00	30.3	15.0	1.73	51.8	164.6	56.7	417.83
1998	75.3	36.04	34.1	17.1	1.95	52.3	169.8	58.1	444.69
1999	87.0	37.22	37.2	18.7	2.12	53.1	175.4	59.6	470.34
2000	95.8	38.21	36.5	20.0	2.24	53.7	180.9	61.1	488.45

Mauritanie : Résumé de la Projection des Produits Alimentaires en tonnes métrique

Table G-5

Mauritania: Summary of Food Production Forecasts in Metric Tons

Scenario B

en milliers de tonnes métriques
in thousands of metric tons

Année Year	Céréales Cereals	Fruit et Fruits and Vegetables Légumes	Légumineuse Pulses	Tubercules Root Crops	Arachides Groundnuts	Viande Livestock	Lait et Dairy Poultry Volaille	Pêche Fisheries	Total
1980	26.7	19.95	18.3	6.6	.94	49.8	162.8	32.0	317.09
1981	31.8	20.99	20.4	7.6	1.06	50.5	172.8	33.2	338.35
1982	38.0	21.87	22.6	8.7	1.19	51.3	187.0	34.3	364.96
1983	36.2	22.94	22.4	8.8	1.19	50.6	180.2	35.5	357.83
1984	36.1	24.04	22.6	9.3	1.22	49.6	169.4	36.8	349.06
1985	40.2	25.04	23.2	10.3	1.32	50.4	180.8	37.7	368.96
1986	38.3	26.13	23.8	10.1	1.31	49.7	172.6	38.9	360.84
1987	34.2	27.25	22.2	9.7	1.23	47.6	147.6	40.0	329.78
1988	41.9	28.37	25.1	11.2	1.40	48.3	155.0	41.0	352.27
1989	49.0	29.40	27.5	12.4	1.54	49.0	162.6	42.2	373.64
1990	53.9	30.64	29.1	13.4	1.64	49.7	171.8	43.2	393.38
1991	52.1	31.79	28.4	13.2	1.60	49.1	161.2	44.3	381.69
1992	55.0	32.96	29.3	13.8	1.66	48.5	150.0	45.3	376.52
1993	60.1	34.12	30.6	14.5	1.74	49.1	155.4	46.4	391.96
1994	63.2	35.31	31.4	15.1	1.79	49.0	151.7	47.3	394.80
1995	71.9	36.61	33.7	16.4	1.92	49.8	156.6	48.4	415.33
1996	81.1	37.94	36.1	17.8	2.06	50.6	162.5	49.4	437.50
1997	88.8	39.17	38.0	18.9	2.17	51.3	168.9	50.3	457.54
1998	88.5	40.56	37.8	18.9	2.15	50.9	159.6	51.3	449.71
1999	93.1	41.81	38.8	19.6	2.22	50.7	148.8	52.3	447.33
2000	104.0	43.21	41.6	21.1	2.37	51.0	150.7	53.3	467.28

Mauritanie : Résumé de la Projection des Produits Alimentaires en tonnes métriques

Table G-6

Mauritania: Summary of Food Production Forecasts in Metric Tons

Scenario C

en milliers de tonnes métriques
in thousands of metric tons

Année Year	Céréales Cereals	Fruits et Fruits and Vegetables Légumes	Légumineuse Pulses	Tubercules Root Crops	Arachides Groundnuts	Viande Livestock	Lait et Dairy Poultry Volaille	Pêche Fisheries	Total
1980	26.7	19.95	18.3	6.6	.94	49.8	162.9	32.0	317.19
1981	31.8	20.37	20.4	7.6	1.06	50.5	172.8	33.4	337.93
1982	33.8	20.82	21.4	8.2	1.13	51.4	180.6	34.8	352.15
1983	36.2	21.26	22.4	8.8	1.19	52.4	191.5	36.3	370.05
1984	37.2	21.65	23.0	9.4	1.24	52.2	189.2	37.9	371.79
1985	42.1	22.11	24.7	10.3	1.35	53.6	202.9	39.5	396.56
1986	47.5	22.62	26.5	11.3	1.46	54.9	219.4	41.2	424.88
1987	51.9	23.13	27.9	12.2	1.55	56.6	241.2	42.9	457.38
1988	50.8	23.67	27.8	12.4	1.55	56.2	232.7	44.6	449.72
1989	53.1	24.22	28.7	13.0	1.61	56.0	225.3	46.5	448.43
1990	59.6	24.77	30.7	14.1	1.73	57.7	245.8	48.4	482.80
1991	65.2	25.36	31.1	15.0	1.82	59.7	269.9	50.4	518.48
1992	67.3	26.05	32.7	15.5	1.86	60.1	272.4	52.5	528.41
1993	68.9	26.63	33.1	15.8	1.88	59.9	267.6	54.7	528.51
1994	69.5	27.23	33.1	16.0	1.89	59.4	257.9	56.9	521.92
1995	69.6	27.89	33.1	16.1	1.89	58.4	243.9	59.3	510.18
1996	70.7	28.54	33.2	16.3	1.90	57.6	228.3	61.7	498.24
1997	71.9	29.29	33.4	16.6	1.91	56.7	213.7	64.3	487.80
1998	74.4	30.03	33.8	16.9	1.93	56.3	200.6	66.9	480.86
1999	81.9	30.79	35.7	18.0	2.04	57.8	209.7	69.7	505.63
2000	90.4	31.60	37.8	19.1	2.15	59.2	219.5	72.5	532.25

Table H-1

Mauritania: Food Balance in Metric Tons by Years

Mauritanie : Balance Alimentaire en tonnes par an

Scenario A

en milliers de tonnes métriques
in thousands of metric tons

		Supply/Offre		Demand/Demande	
		Produced Produits	Imports Importés	Exports Exportés	Consumed Consommation
	1980				
Céréales	Cereals	26.7	152.4	-	179.1
Fruits et Légumes	Fruits and Vegetables	20.0	2.3	1.0	21.3
Légumineuses	Pulses	18.3	-	-	18.3
Tubercules	Root Crops	6.6	2.0	-	8.6
Arachides	Groundnuts	0.9	-	-	0.9
Viande	Livestock	49.8	0.3	13.3	36.8
Lait et Volaille	Dairy and Poultry	162.8	65.5	-	228.3
Poisson	Fisheries	32.0	16.0	26.6	21.4
Autres	Other	-	35.3	-	35.3
	Total	317.1	273.8	40.9	550.0
	1981				
Céréales	Cereals	31.8	152.3	-	184.1
Fruits et Légumes	Fruits and Vegetables	20.8	2.0	1.0	21.8
Légumineuses	Pulses	20.4	-	-	20.4
Tubercules	Root Crops	7.6	2.4	-	10.0
Arachides	Groundnuts	1.1	-	-	1.1
Viande	Livestock	50.5	0.3	13.7	37.1
Lait et Volaille	Dairy and Poultry	172.8	59.2	-	232.0
Poisson	Fisheries	33.4	16.1	27.4	22.1
Autres	Other	-	36.7	-	36.7
	Total	338.4	269.0	42.1	565.3
	1982				
Céréales	Cereals	36.4	152.4	-	188.8
Fruits et Légumes	Fruits and Vegetables	21.6	1.8	1.1	22.3
Légumineuses	Pulses	22.2	-	-	22.2
Tubercules	Root Crops	8.6	1.7	-	10.3
Arachides	Groundnuts	1.2	-	-	1.2
Viande	Livestock	51.2	0.3	13.4	38.1
Lait et Volaille	Dairy and Poultry	184.2	54.4	-	238.6
Poisson	Fisheries	34.9	17.4	29.5	22.8
Autres.	Other	-	37.8	-	37.8
	Total	360.3	265.8	44.0	582.1

Mauritanie : Balance Alimentaire en tonnes par an

Table H-1

Mauritania: Food Balance in Metric Tons by Years

Scenario A

en milliers de tonnes métriques
in thousands of metric tons

		Supply /Offre		Demand /Demande	
		~~Produits~~ Produced	~~Importés~~ Imports	~~Exportés~~ Exports	~~Consommation~~ Consumed
	1983				
Céréales	**Cereals**	40.3	154.8	-	195.1
Fruits et Légumes	**Fruits and Vegetables**	22.4	2.0	1.1	23.3
Légumineuses	**Pulses**	23.6	-	-	23.6
Tubercules	**Root Crops**	9.3	2.1	-	11.4
Arachides	**Groundnuts**	1.3	-	-	1.3
Viande	**Livestock**	50.7	0.3	13.9	37.1
Lait et Volaille	**Dairy and Poultry**	180.0	54.2	-	234.2
Poisson	**Fisheries**	36.3	18.5	31.0	23.8
Autres	**Other**	-	40.2	-	40.2
	Total	363.9	272.1	46.0	590.0
	1984				
Céréales	**Cereals**	40.6	159.7	-	200.3
Fruits et Légumes	**Fruits and Vegetables**	23.2	1.6	1.1	23.7
Légumineuses	**Pulses**	24.0	-	-	24.0
Tubercules	**Root Crops**	9.8	1.8	-	11.6
Arachides	**Groundnuts**	1.3	-	-	1.3
Viande	**Livestock**	51.7	0.4	14.0	38.1
Lait et Volaille	**Dairy and Poultry**	192.8	48.4	-	241.2
Poisson	**Fisheries**	37.8	19.2	32.5	24.5
Autres	**Other**	-	41.4	-	41.4
	Total	381.2	272.5	47.6	606.1
	1985				
Céréales	**Cereals**	40.8	165.8	-	206.6
Fruits et Légumes	**Fruits and Vegetables**	24.0	1.5	1.1	24.4
Légumineuses	**Pulses**	24.3	-	-	24.3
Tubercules	**Root Crops**	10.2	1.8	-	12.0
Arachides	**Groundnuts**	1.3	-	-	1.3
Viande	**Livestock**	51.7	0.4	12.9	39.2
Lait et Volaille	**Dairy and Poultry**	191.7	56.1	-	247.8
Poisson	**Fisheries**	39.2	19.8	33.8	25.2
Autres.	**Other**	-	42.6	-	42.6
	Total	383.2	288.0	47.8	623.4

Mauritanie : Balance Alimentaire en tonnes par an

Table H-1

Mauritania: Food Balance in Metric Tons by Years

Scenario A

en milliers de tonnes métriques
in thousands of metric tons

		Supply/Offre		Demand/Demande	
		Produced Produits	Imports Importés	Exports Exportés	Consumed Consommation
	1986				
Céréales	Cereals	40.7	173.9	-	214.6
Fruits et Légumes	Fruits and Vegetables	24.9	1.8	1.2	25.5
Légumineuses	Pulses	24.5	-	-	24.5
Tubercules	Root Crops	10.5	1.3	-	11.8
Arachides	Groundnuts	1.3	-	-	1.3
Viande	Livestock	51.0	0.5	13.3	38.2
Lait et Volaille	Dairy and Poultry	183.1	59.8	-	242.9
Poisson	Fisheries	40.7	21.1	35.4	26.4
Autres	Other	-	45.3	-	45.3
	Total	376.7	303.7	49.9	630.5
	1987				
Céréales	Cereals	47.5	172.8	-	220.3
Fruits et Légumes	Fruits and Vegetables	25.7	1.6	1.2	26.1
Légumineuses	Pulses	25.7	-	-	25.7
Tubercules	Root Crops	11.2	1.3	-	12.5
Arachides	Groundnuts	1.4	-	-	1.4
Viande	Livestock	52.0	0.5	11.8	40.7
Lait et Volaille	Dairy and Poultry	195.6	54.2	-	249.8
Poisson	Fisheries	42.2	21.9	36.9	27.2
Autres	Other	-	46.6	-	46.6
	Total	401.3	298.9	49.9	650.3
	1988				
Céréales	Cereals	50.1	175.6	-	225.7
Fruits et Légumes	Fruits and Vegetables	26.5	1.6	1.2	26.9
Légumineuses	Pulses	27.6	-	-	27.6
Tubercules	Root Crops	12.3	1.3	-	13.6
Arachides	Groundnuts	1.5	-	-	1.5
Viande	Livestock	53.2	0.5	13.4	40.3
Lait et Volaille	Dairy and Poultry	211.4	45.9	-	257.3
Poisson	Fisheries	43.6	22.5	38.2	27.8
Autres	Other	-	47.9	-	47.9
	Total	426.2	295.3	52.8	668.7

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Mauritanie : Balance Alimentaire en tonnes par an

Table H-1

Mauritania: Food Balance in Metric Tons by Years

Scenario A

en milliers de tonnes métriques
in thousands of metric tons

		Supply/Offre		Demand/Demande	
		Produced Produit	Imports Importés	Exports Exportés	Consumed Consommatio
	1989				
Céréales	**Cereals**	49.7	184.4	-	234.1
Fruits et Légumes	**Fruits and Vegetables**	27.5	1.7	1.2	28.0
Légumineuses	**Pulses**	27.8	-	-	27.8
Tubercules	**Root Crops**	12.5	1.1	-	13.6
Arachides	**Groundnuts**	1.5	-	-	1.5
Viande	**Livestock**	53.1	0.6	14.8	38.9
Lait et Volaille	**Dairy and Poultry**	209.7	41.2	-	250.9
Poisson	**Fisheries**	45.1	23.7	39.7	29.1
Autres	**Other**	-	50.9	-	50.9
	Total	426.9	303.6	55.7	674.8
	1990				
Céréales	**Cereals**	49.9	191.3	-	241.2
Fruits et Légumes	**Fruits and Vegetables**	28.4	1.8	1.3	28.9
Légumineuses	**Pulses**	27.8	-	-	27.8
Tubercules	**Root Crops**	12.9	1.4	-	14.3
Arachides	**Groundnuts**	1.6	-	-	1.6
Viande	**Livestock**	52.5	0.6	13.0	40.1
Lait et Volaille	**Dairy and Poultry**	199.7	58.5	-	258.2
Poisson	**Fisheries**	46.5	24.7	41.2	30.0
Autres	**Other**	-	52.4	--	52.4
	Total	419.3	330.7	55.5	694.5
	1991				
Céréales	**Cereals**	58.8	187.9	-	246.7
Fruits et Légumes	**Fruits and Vegetables**	29.2	1.7	1.3	29.6
Légumineuses	**Pulses**	30.4	-	-	30.4
Tubercules	**Root Crops**	14.2	1.5	-	15.7
Arachides	**Groundnuts**	1.7	-	-	1.7
Viande	**Livestock**	53.6	0.7	12.5	41.8
Lait et Volaille	**Dairy and Poultry**	216.1	49.9	-	266.0
Poisson	**Fisheries**	47.9	25.6	42.8	30.7
Autres.	**Other**	-	53.9	-	53.9
	Total	451.9	321.2	56.6	716.5

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Mauritanie : Balance Alimentaire en tonnes par an

Table H-1

Mauritania: Food Balance in Metric Tons by Years

Scenario A

en milliers de tonnes métriques
in thousands of metric tons

		Supply/Offre		Demand/Demande	
		Produits Produced	Importes Imports	Exportes Exports	Consommation Consumed
	1992				
Céréales	Cereals	0.9	195.0	-	255.9
Fruits et Légumes	Fruits and Vegetables	30.1	2.1	1.3	30.9
Légumineuses	Pulses	31.0	-	-	31.0
Tubercules	Root Crops	14.6	1.7	-	16.3
Arachides	Groundnuts	1.8	-	-	1.8
Viande	Livestock	54.2	0.7	15.3	39.6
Lait et Volaille	Dairy and Poultry	218.5	40.1	-	258.6
Poisson	Fisheries	49.4	26.9	44.1	32.2
Autres	Other	-	57.2	-	57.2
	Total	400.5	323.7	60.7	723.5
	1993				
Céréales	Cereals	60.0	203.3	-	263.3
Fruits et Légumes	Fruits and Vegetables	31.1	2.1	1.3	31.9
Légumineuses	Pulses	30.6	-	-	30.6
Tubercules	Root Crops	14.5	1.8	-	16.3
Arachides	Groundnuts	1.7	-	-	1.7
Viande	Livestock	53.3	0.7	13.5	40.7
Lait et Volaille	Dairy and Poultry	207.0	58.8	-	265.8
Poisson	Fisheries	50.9	27.9	45.6	33.2
Autres	Other	-	58.8	-	58.8
	Total	[illegible]	353.4	60.4	742.3
	1994				
Céréales	Cereals	61.7	209.3	-	271.0
Fruits et Légumes	Fruits and Vegetables	32.1	2.2	1.4	32.9
Légumineuses	Pulses	30.8	-	-	30.8
Tubercules	Root Crops	14.9	2.0	-	16.9
Arachides	Groundnuts	1.8	-	-	1.8
Viande	Livestock	52.8	0.8	11.5	42.1
Lait et Volaille	Dairy and Poultry	193.1	80.2	-	273.3
Poisson	Fisheries	52.4	28.7	47.1	34.0
Autres.	Other	-	60.5	-	60.5
	Total	4[illegible].6	383.7	60.0	763.3

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Mauritanie : Balance Alimentaire en tonnes par an

Table H-1

Mauritania: Food Balance in Metric Tons by Years

Scenario A

en milliers de tonnes métriques

in thousands of metric tons

		Supply /Offre		Demand /Demand	
		Produits Produced	Importés Imports	Exportés Exports	Consommatio Consumed
	1995				
Céréales	Cereals	69.3	210.9	-	280.2
Fruits et Légumes	Fruits and Vegetables	33.1	2.7	1.4	34.4
Légumineuses	Pulses	33.0	-	-	33.0
Tubercules	Root Crops	16.1	2.3	-	18.4
Arachides	Groundnuts	1.9	-	-	1.9
Viande	Livestock	53.8	0.8	14.3	40.3
Lait et Volaille	Dairy and Poultry	205.6	59.4	-	265.0
Poisson	Fisheries	53.8	30.3	48.6	35.5
Autres	Other	-	64.2	-	64.2
	Total	466.6	370.6	64.3	772.9
	1996				
Céréales	Cereals	68.0	220.8	-	288.8
Fruits et Légumes	Fruits and Vegetables	34.1	2.7	1.4	35.4
Légumineuses	Pulses	32.4	-	-	32.4
Tubercules	Root Crops	15.9	2.7	-	18.6
Arachides	Groundnuts	1.8	-	-	1.8
Viande	Livestock	53.4	0.9	12.9	41.4
Lait et Volaille	Dairy and Poultry	196.3	75.7	-	272.0
Poisson	Fisheries	55.2	31.3	49.9	36.6
Autres	Other	-	66.0	-	66.0
	Total	457.1	400.1	64.2	793.0
	1997				
Céréales	Cereals	62.7	235.9	-	298.6
Fruits et Légumes	Fruits and Vegetables	35.0	2.8	1.4	36.4
Légumineuses	Pulses	30.3	-	-	30.3
Tubercules	Root Crops	15.0	3.2	-	18.2
Arachides	Groundnuts	1.7	-	-	1.7
Viande	Livestock	51.8	0.9	9.8	42.9
Lait et Volaille	Dairy and Poultry	164.6	114.4	-	279.0
Poisson	Fisheries	56.7	32.3	51.4	37.6
Autres.	Other	-	67.9	-	67.9
	Total	417.8	457.4	62.6	812.6

Mauritanie Balance Alimentaire en tonnes par an

Table H-1

Mauritania: Food Balance in Metric Tons by Years

Scenario A

(en milliers de tonnes métriques
in thousands of metric tons

		Supply/Offre		Demand/Demande	
		Produits Produced	Importes Imports	Exportes Exports	Consommation Consumed
	1998				
Céréales	Cereals	75.3	232.2	-	307.5
Fruits et Légumes	Fruits and Vegetables	36.0	3.6	1.5	38.1
Légumineuses	Pulses	34.1	-	-	34.1
Tubercules	Root Crops	17.1	3.4	-	20.5
Arachides	Groundnuts	2.0	-	-	2.0
Viande	Livestock	52.3	0.9	12.5	40.7
Lait et Volaille	Dairy and Poultry	169.8	99.7	-	269.5
Poisson	Fisheries	58.1	34.1	53.0	39.2
Autres	Other	-	71.9	-	71.9
	Total	444.7	445.8	67.0	823.5
	1999				
Céréales	Cereals	87.0	227.9	-	314.9
Fruits et Légumes	Fruits and Vegetables	37.2	3.8	1.5	39.5
Légumineuses	Pulses	37.2	-	-	37.2
Tubercules	Root Crops	18.7	3.9	-	22.6
Arachides	Groundnuts	2.1	-	-	2.1
Viande	Livestock	53.1	0.9	12.0	42.0
Lait et Volaille	Dairy and Poultry	175.4	101.6	-	277.0
Poisson	Fisheries	59.6	35.1	54.3	40.4
Autres	Other	-	74.0	-	74.0
	Total	470.3	447.2	67.8	849.7
	2000				
Céréales	Cereals	95.8	227.8	-	323.6
Fruits et Légumes	Fruits and Vegetables	38.2	4.1	1.5	40.8
Légumineuses	Pulses	36.5	-	-	36.5
Tubercules	Root Crops	20.0	4.5	-	24.5
Arachides	Groundnuts	2.2	-	-	2.2
Viande	Livestock	53.7	1.0	12.8	41.9
Lait et Volaille	Dairy and Poultry	180.9	97.7	-	278.6
Poisson	Fisheries	61.1	36.7	56.0	41.8
Autres,	Other	-	76.8	-	76.8
	Total	488.4	448.6	70.3	866.7

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Mauritanie : Balance Alimentaire en Calories/an

Table H-2

Mauritania: Food Balance in Calories by Years

Scenario A

en milliards de kilo calories
in billions of kilocalories

		Supply /Offre		Demand /Demande	
		Produits Produced	Importés Imports	Exportes Exports	Consumed Consommation
	1980				
Céréales	Cereals	93.0	530.7	-	623.7
Fruits et Légumes	Fruits and Vegetables	19.3	2.2	1.0	20.5
Légumineuses	Pulses	30.8	-	-	30.8
Tubercules	Root Crops	4.7	1.4	-	6.1
Arachides	Groundnuts	7.8	-	-	7.8
Viande	Livestock	74.8	0.4	20.0	55.2
Lait et Volaille	Dairy and Poultry	140.7	56.6	-	197.3
Poisson	Fisheries	25.6	12.8	21.3	17.1
Autres	Other	-	139.6	-	139.6
	Total	396.7	743.7	42.3	1,098.1
	1981				
Céréales	Cereals	110.5	529.1	-	639.6
Fruits et Légumes	Fruits and Vegetables	20.2	2.0	1.0	21.2
Légumineuses	Pulses	34.3	-	-	34.3
Tubercules	Root Crops	5.4	1.7	-	7.1
Arachides	Groundnuts	8.8	-	-	8.8
Viande	Livestock	76.0	0.4	20.6	55.8
Lait et Volaille	Dairy and Poultry	149.0	51.0	-	200.0
Poisson	Fisheries	26.7	12.9	21.9	17.7
Autres	Other	-	145.4	-	145.4
	Total	430.9	742.5	43.5	1,129.9
	1982				
Céréales	Cereals	126.4	529.2	-	655.6
Fruits et Légumes	Fruits and Vegetables	21.1	1.8	1.1	21.8
Légumineuses	Pulses	37.2	-	-	37.2
Tubercules	Root Crops	6.1	1.2	-	7.3
Arachides	Groundnuts	9.7	-	-	9.7
Viande	Livestock	77.3	0.5	20.3	57.5
Lait et Volaille	Dairy and Poultry	158.8	46.9	-	205.7
Poisson	Fisheries	27.9	13.9	23.6	18.2
Autres	Other	-	149.6	-	149.6
	Total	464.5	743.1	45.0	1,162.6

Mauritanie : Balance Alimentaire en Calories/an

Table H-2

Mauritania: Food Balance in Calories by Years

Scenario A

en milliards de kilo calories
in billions of kilocalories

		Supply /Offre		Demand/Demande	
		Produced Produits	Imports Importés	Exports Exportés	Consumed Consommation
	1983				
Céréales	Cereals	140.3	538.7	-	679.0
Fruits et Légumes	Fruits and Vegetables	21.9	2.0	1.1	22.8
Légumineuses	Pulses	39.7	-	-	39.7
Tubercules	Root Crops	6.6	1.5	-	8.1
Arachides	Groundnuts	10.4	-	-	10.4
Viande	Livestock	76.5	0.5	21.0	56.0
Lait et Volaille	Dairy and Poultry	155.2	46.7	-	201.9
Poisson	Fisheries	29.0	14.8	24.8	19.0
Autres	Other	-	159.3	-	159.3
	Total	479.6	763.5	46.9	1,196.2
	1984				
Céréales	Cereals	141.7	557.4	-	699.1
Fruits et Légumes	Fruits and Vegetables	22.9	1.6	1.1	23.4
Légumineuses	Pulses	40.4	-	-	40.4
Tubercules	Root Crops	7.0	1.3	-	8.3
Arachides	Groundnuts	10.7	-	-	10.7
Viande	Livestock	78.2	0.6	21.2	57.6
Lait et Volaille	Dairy and Poultry	166.0	41.7	-	207.7
Poisson	Fisheries	30.2	15.4	26.0	19.6
Autres	Other	-	163.9	-	163.9
	Total	497.1	781.9	48.3	1,230.7
	1985				
Céréales	Cereals	142.2	577.8	-	720.0
Fruits et Légumes	Fruits and Vegetables	23.7	1.5	1.1	24.1
Légumineuses	Pulses	40.9	-	-	40.9
Tubercules	Root Crops	7.2	1.3	-	8.5
Arachides	Groundnuts	11.0	-	-	11.0
Viande	Livestock	78.1	0.6	19.5	59.2
Lait et Volaille	Dairy and Poultry	165.3	48.4	-	213.7
Poisson	Fisheries	31.4	15.9	27.1	20.2
Autres	Other	-	168.6	-	168.6
	Total	499.8	814.1	47.7	1,266.2

Mauritanie : Balance Alimentaire en Calories/an

Table H-2

Mauritania: Food Balance in Calories by Year

Scenario A

en milliards de kilo calories
in billions of kilocalories

		Supply / Offre		Demand/Demand	
		Produced Produits	Imports Importés	Exports Exportés	Consumed Consommati
	1986				
Céréales	Cereals	142.2	607.8	-	750.0
Fruits et Légumes	Fruits and Vegetables	24.5	1.8	1.2	25.1
Légumineuses	Pulses	41.1	-	-	41.1
Tubercules	Root Crops	7.4	0.9	-	8.3
Arachides	Groundnuts	11.1	-	-	11.1
Viande	Livestock	76.9	0.7	20.1	57.5
Lait et Volaille	Dairy and Poultry	157.7	51.5	-	209.2
Poisson	Fisheries	32.5	16.9	28.3	21.1
Autres	Other	-	179.4	-	179.4
	Total	493.4	859.0	49.6	1,302.8
	1987				
Céréales	Cereals	166.0	604.0	-	770.0
Fruits et Légumes	Fruits and Vegetables	25.4	1.6	1.2	25.8
Légumineuses	Pulses	43.2	-	-	43.2
Tubercules	Root Crops	8.0	0.9	-	8.9
Arachides	Groundnuts	11.8	-	-	11.8
Viande	Livestock	75.6	0.8	17.2	59.2
Lait et Volaille	Dairy and Poultry	168.5	46.7	-	215.2
Poisson	Fisheries	33.7	17.5	29.5	21.7
Autres	Other	-	184.5	-	184.5
	Total	532.2	856.0	47.9	1,340.3
	1988				
Céréales	Cereals	175.2	614.0	-	789.2
Fruits et Légumes	Fruits and Vegetables	26.2	1.6	1.2	26.6
Légumineuses	Pulses	46.4	-	-	46.4
Tubercules	Root Crops	8.7	0.9	-	9.6
Arachides	Groundnuts	12.7	-	-	12.7
Viande	Livestock	80.6	0.8	20.3	60.9
Lait et Volaille	Dairy and Poultry	181.9	39.5	-	221.4
Poisson	Fisheries	34.9	18.0	30.6	22.3
Autres	Other	-	189.8	-	189.8
	Total	566.6	864.6	52.1	1,378.9

Mauritanie : Balance Alimentaire en Calories/an

Table H-2

Mauritania: Food Balance in Calories by Year

Scenario A

en milliards de kilo calories
in billions of kilocalories

		Supply/Offre		Demand/Demand	
		Produced Produits	Imports Importés	Exports Exportés	Consumed Consommati
	1989				
Céréales	**Cereals**	174.4	647.2	-	821.6
Fruits et Légumes	**Fruits and Vegetables**	27.2	1.7	1.2	27.7
Légumineuses	**Pulses**	46.7	-	-	46.7
Tubercules	**Root Crops**	8.9	0.8	-	9.7
Arachides	**Groundnuts**	12.8	-	-	12.8
Viande	**Livestock**	80.5	0.9	22.5	58.9
Lait et Volaille	**Dairy and Poultry**	180.6	35.5	-	216.1
Poisson	**Fisheries**	36.1	19.0	31.8	23.3
Autres	**Other**	-	201.7	-	201.7
	Total	567.2	906.8	55.5	1,418.5
	1990				
Céréales	**Cereals**	175.1	671.4	-	846.5
Fruits et Légumes	**Fruits and Vegetables**	28.0	1.8	1.3	28.5
Légumineuses	**Pulses**	46.8	-	-	46.8
Tubercules	**Root Crops**	9.1	1.0	-	10.1
Arachides	**Groundnuts**	13.0	-	-	13.0
Viande	**Livestock**	79.4	0.9	19.7	60.6
Lait et Volaille	**Dairy and Poultry**	171.9	50.4	-	222.3
Poisson	**Fisheries**	37.2	19.8	33.0	24.0
Autres	**Other**	-	207.5	-	207.5
	Total	560.5	952.8	54.0	1,459.3
	1991				
Céréales	**Cereals**	206.5	659.8	-	866.3
Fruits et Légumes	**Fruits and Vegetables**	28.9	1.7	1.3	29.3
Légumineuses	**Pulses**	51.1	-	-	51.1
Tubercules	**Root Crops**	10.1	1.1	-	11.2
Arachides	**Groundnuts**	14.2	-	-	14.2
Viande	**Livestock**	80.0	1.0	18.7	62.3
Lait et Volaille	**Dairy and Poultry**	185.8	42.9	-	228.7
Poisson	**Fisheries**	38.3	20.5	34.2	24.6
Autres	**Other**	-	213.5	-	213.5
	Total	614.9	940.5	54.2	1,501.2

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Mauritanie : Balance Alimentaire en Calories/ah

Table H-2

Mauritania: Food Balance in Calories by Year

Scenario A

en milliards de kilo calories
in billions of kilocalories

		Supply/Offre		Demand/Demand	
		Produced Produits	Imports Importés	Exports Exportés	Consumed Consommati
	1992				
Céréales	Cereals	214.4	686.5	-	900.9
Fruits et Légumes	Fruits and Vegetables	29.7	2.1	1.3	30.5
Légumineuses	Pulses	52.0	-	-	52.0
Tubercules	Root Crops	10.4	1.2	-	11.6
Arachides	Groundnuts	14.5	-	-	14.5
Viande	Livestock	82.2	1.0	23.2	60.0
Lait et Volaille	Dairy and Poultry	188.1	34.5	-	222.6
Poisson	Fisheries	39.5	21.5	35.3	25.7
Autres	Other	-	226.5	-	226.5
	Total	630.8	973.3	59.8	1,544.3
	1993				
Céréales	Cereals	211.8	717.2	-	929.6
Fruits et Légumes	Fruits and Vegetables	30.6	2.1	1.3	31.4
Légumineuses	Pulses	51.4	-	-	51.4
Tubercules	Root Crops	10.4	1.3	-	11.7
Arachides	Groundnuts	14.4	-	-	14.4
Viande	Livestock	81.0	1.1	20.4	61.7
Lait et Volaille	Dairy and Poultry	178.3	50.6	-	228.9
Poisson	Fisheries	40.7	22.3	36.5	26.5
Autres	Other	-	233.0	-	233.0
	Total	618.6	1,028.2	58.2	1,588.6
	1994				
Céréales	Cereals	218.0	739.6	-	957.6
Fruits et Légumes	Fruits and Vegetables	31.5	2.2	1.4	32.3
Légumineuses	Pulses	51.8	-	-	51.8
Tubercules	Root Crops	10.6	1.4	-	12.0
Arachides	Groundnuts	14.5	-	-	14.5
Viande	Livestock	79.7	1.2	17.4	63.5
Lait et Volaille	Dairy and Poultry	166.4	69.1	-	235.5
Poisson	Fisheries	41.9	23.0	37.7	27.2
Autres	Other	-	239.7	-	239.7
	Total	614.4	1,076.2	56.5	1,634.1

Mauritanie : Balance Alimentaire en Calories/an

Table H-2

Mauritania: Food Balance in Calories by Year

Scenario A en milliards de kilo-calories
in billions of kilocalories

		Supply/Offre		Demand/Demand	
		Produced Produits	Imports Importés	Exports Exportés	Consumed Consommation
	1995				
Céréales	Cereals	245.2	746.1	-	991.3
Fruits et Légumes	Fruits and Vegetables	32.4	2.7	1.4	33.7
Légumineuses	Pulses	55.4	-	-	55.4
Tubercules	Root Crops	11.4	1.6	-	13.0
Arachides	Groundnuts	15.6	-	-	15.6
Viande	Livestock	81.4	1.2	21.7	60.9
Lait et Volaille	Dairy and Poultry	177.2	51.2	-	228.4
Poisson	Fisheries	43.0	24.2	38.8	28.4
Autres	Other	-	254.2	-	254.2
	Total	661.6	1,081.2	61.9	1,680.9
	1996				
Céréales	Cereals	240.9	782.2	-	1,023.1
Fruits et Légumes	Fruits and Vegetables	33.3	2.7	1.4	34.6
Légumineuses	Pulses	54.4	-	-	54.4
Tubercules	Root Crops	11.3	1.9	-	13.2
Arachides	Groundnuts	15.3	-	-	15.3
Viande	Livestock	80.8	1.3	19.5	62.6
Lait et Volaille	Dairy and Poultry	169.6	65.4	-	235.0
Poisson	Fisheries	44.2	25.1	40.0	29.3
Autres	Other	-	261.5	-	261.5
	Total	649.8	1,140.1	60.9	1,729.0
	1997				
Céréales	Cereals	222.5	837.1	-	1,059.6
Fruits et Légumes	Fruits and Vegetables	34.2	2.8	1.4	35.6
Légumineuses	Pulses	50.8	-	-	50.8
Tubercules	Root Crops	10.7	2.3	-	13.0
Arachides	Groundnuts	14.3	-	-	14.3
Viande	Livestock	77.8	1.3	14.7	64.4
Lait et Volaille	Dairy and Poultry	142.6	99.1	-	241.7
Poisson	Fisheries	45.4	25.9	41.2	30.1
Autres	Other	-	268.9	-	268.9
	Total	598.3	1,237.4	57.3	1,778.4

Mauritanie : Balance Alimentaire en Calories/an

Table H-2

Mauritania: Food Balance in Calories by Year

Scenario A

en milliards de kilo-calories
in billions of kilocalories

		Supply /Offre		Demand /Deman	
		Produced Produits	Imports Importés	Exports Exportes	Consumed Consommati
	1998				
Céréales	Cereals	267.7	825.3	-	1,093.0
Fruits et Légumes	Fruits and Vegetables	35.1	3.5	1.5	37.1
Légumineuses	Pulses	57.3	-	-	57.3
Tubercules	Root Crops	12.1	2.4	-	14.5
Arachides	Groundnuts	16.1	-	-	16.1
Viande	Livestock	78.8	1.4	18.8	61.4
Lait et Volaille	Dairy and Poultry	147.2	86.4	-	233.6
Poisson	Fisheries	46.5	27.3	42.2	31.4
Autres	Other	-	284.9	-	284.9
	Total	660.8	1,231.2	62.7	1,829.3
	1999				
Céréales	Cereals	309.0	809.4	-	1,118.4
Fruits et Légumes	Fruits and Vegetables	36.0	3.7	1.5	38.2
Légumineuses	Pulses	62.5	-	-	62.5
Tubercules	Root Crops	13.3	2.8	-	16.1
Arachides	Groundnuts	17.5	-	-	17.5
Viande	Livestock	79.9	1.4	18.1	63.2
Lait et Volaille	Dairy and Poultry	152.1	88.1	-	240.2
Poisson	Fisheries	47.7	28.1	43.5	32.3
Autres	Other	-	293.0	-	293.0
	Total	718.0	1,226.5	63.1	1,881.4
	2000				
Céréales	Cereals	340.7	810.1	-	1,150.8
Fruits et Légumes	Fruits and Vegetables	36.9	4.0	1.5	39.4
Légumineuses	Pulses	66.3	-	-	66.3
Tubercules	Root Crops	14.2	3.2	-	17.4
Arachides	Groundnuts	18.5	-	-	18.5
Viande	Livestock	81.1	1.5	19.3	63.3
Lait et Volaille	Dairy and Poultry	157.0	84.8	-	241.8
Poisson	Fisheries	48.8	29.3	44.7	33.4
Autres	Other	-	304.3	-	304.3
	Total	763.5	1,237.2	65.5	1,935.2

Statistical Annex

Section 4.0

Section 4.0 contains Table J.1 which relates primarily to 1980 constant prices used for all input-output calculations.

Table J-1

AVERAGE 1980 PRICES - INPUT OUTPUTT TABLE

(Ouguiya Prices per Metric ton)

Commodity	Producers	Import	Export
Wheat	40000	6404	-
Paddy Rice	11000	-	-
Barley	22022	12945	-
Maize	15000	9091	-
Millet	13000	8680	-
Fruits	35000	40665	35000
Vegetables	24260	28024	-
Pulses	23400	-	-
Root Crops	23000	13749	-
Groundnuts	18000	35887	-
Cattle	22139	-	34170
Sheep	20214	-	75000
Goats	17252	-	68000
Camels	24755	-	50000
Fresh Milk	9850	27842	-
Butter	9850	83511	-
Buttermilk	9850	-	-
Cheese	9850	166326	-
Canned Milk	-	40309	-
Dried milk	-	62789	-
Eggs	114286	-	-
Poultry slaughter	120000	-	-
River fish	18000	-	-
Demersal	16000	15840	-
Pelagic	15000	-	
Other	3000	3000	
Cephalopods		44450	46120
Curing	37114	-	37114
Freezing	29900	-	29900
Canning	70080	-	70071
Meal/Oil	5830	-	5830
Firewood	740	-	-
Charcoal	4000	-	-
Wood	1480	-	-
Gum Arabic	38146	-	38146
Feed Stuffs	5426		-
Wheat flour	12440	12440	-
Milled Rice	22000	16500	-
Vegetable meal	14138	-	-
Vegetable Oil	70052	57121	-
Meat	83408	69726	-
Offal	78602	-	-
Fat	78535	-	-
Hides/Skins	80486	-	-
Weaving	191885	-	-
Leather	191830	-	-
Other foods	-	33978	-

Statistical Annex

Section 5.0

Tables K - 1	Inter-industry Transactions
Table K - 2	Value Added Ratios 1978
Table L - 1	Value Added GDP 1967-79
Table L - 2	Value Added GDP 1980-2000 Scenario A
Table L - 3	Value Added GDP 1980-2000 Scenario B
Table L - 4	Value Added GDP 1980-2000 Scenario C

Table K.2

Mauritania : Value Added Ratios 1978

Mauritanie : Taux de Valeur Ajoutée - 1978

Blé /	Wheat	.81088
Riz /	Paddy Rice	.71779
Orge/	Barley	.78660
Maïs/	Maize	.71203
Mil /	Millet	.72163
Fruits/	Fruits	.82402
Légumes/	Vegetables	.76215
Légumineuse/	Pulses	.68995
Tubercules /	Root crops	.77780
Arachides /	Groundnuts	.80321
Bovins /	Cattle	.89855
Ovins /	Sheep	.93058
Caprins /	Goats	.93496
Camelins /	Camels	.91020
Lait et dérivés /	Dairy	.24928
Volaille /	Poultry	.59411
Poisson d'eau douce/	River fish	.82654
Poisson de mer /	Ocean fish	.43446
Cephalopodes/	Cephalopods	.79751
Industrie de Pêche /	Fish processing	.14867
Bois de cuisine /	Firewood	.91995
Bois /	Wood	.84232
Gomme arabique /	Gum arabic	.50000
Charbon /	Charcoal	.78407
Minoterie /	Cereal milling	.30740
Extration d'huile /	Oil extraction	.17754
Abattage /	Butchering	.15245
Tissage /	Weaving	.57035
Cuir et travail de cuir/	Leather	.22033
Artisanat/	Artisan	.66005
Irrigation/	Water irrigation	.95956
Construction/	Construction	.45246
Transports /	Transportation	.65966
Commerce /	Trade	.72540
Autre Secteur /	Other sectors	.65998
Secteur public/	Public sector	1.00000

Source: Derived from Inter-industry Transaction Table K-1.
Dérivés des transactions inter-indsutrielles du Tableau K-1.

Table L-1a

Value Added Gross Domestic Product 1967-1979

(In Ouguiyas 10,000 - 1980 Constant Prices)

Year	Cereal	Other Crops	Livestock	Poultry	Fishing	Forestry	Dairy	Milling & Extraction
1967	92059	85605	562434	30856	37865	42298	61772	409
1968	94851	98295	559301	31768	40967	44600	58151	478
1969	108920	97392	578843	33670	44681	49412	62103	455
1970	84106	107424	580981	35074	52064	46806	62563	2854
1971	53100	91095	536194	36461	60013	48662	56099	2603
1972	41966	81930	475495	37856	40436	40585	38834	5453
1973	28176	60994	429394	37856	37770	41840	33215	7663
1974	53423	70328	416926	38998	33408	42294	36513	8707
1975	50680	84460	426282	39316	33408	45700	38026	8225
1976	43041	93049	438220	40249	33408	44723	43749	8850
1977	28029	101180	436882	41189	33408	45745	39720	9611
1978	25246	112782	448777	37571	38183	46900	44197	8343
1979	42695	117775	461684	39609	38363	49086	46559	18618

Table L-1b

Value Added Gross Domestic Product 1967-1979

(In Ouguiyas 10,000 - 1980 Constant Prices)

Year	Butchering	Fish Processing	Artisan	Water Irrigation	= Agricultural Sector	Rest of Economy	Gross Domestic Product
1967	57126	8885	56586	35981	1071876	2049542	3121418
1968	59380	8887	55683	36536	1098897	2092088	3170985
1969	59608	9487	57922	37625	1140118	2180028	3320146
1970	60072	14116	57983	38344	1142387	2184756	3326753
1971	55166	10762	54569	35179	1039903	1988406	3028309
1972	50643	14715	46043	31550	905506	1731424	2636930
1973	46700	15708	37930	27997	805243	1539711	2344954
1974	46270	15766	37034	27891	827608	1582475	2410083
1975	47895	9504	38145	29153	850794	1626809	2477603
1976	49524	6439	39770	30290	871312	1666042	2537354
1977	51665	8009	39193	30700	865331	1654605	2519936
1978	52373	9490	40823	31754	906439	1733208	2639647
1979	53546	9993	43242	32811	953991	1824114	2778095

Table I-2a

Value Added Gross Domestic Product 1980-2000
(In Ouguiyas 10,000 - 1980 Constant Prices)

Scenario A

Year	Cereal	Other Crops	Livestock	Poultry	Fishing	Forestry	Dairy	Milling & Extraction
1980	35754	110559	472947	37828	40566	50023	42235	18279
1981	42431	120063	483637	38676	42375	51651	44828	19102
1982	48563	128017	494486	39750	44280	53237	47863	20148
1983	53913	135156	493729	40735	46089	54879	46740	21441
1984	54545	139506	507189	41751	47994	56577	50097	22710
1985	54863	143032	509933	42798	49803	58447	49839	24139
1986	55040	146081	505895	43868	51612	60264	47459	26083
1987	64152	152764	519529	44961	53517	62255	50821	27684
1988	67888	161503	534681	46099	55326	64187	54968	30102
1989	67736	164909	538116	47252	57231	66367	54527	32281
1990	68164	167927	534111	48413	59040	68373	51775	34343
1991	80373	179023	549392	49642	60849	70625	56091	37827
1992	83642	183491	557572	50879	62754	72819	56745	41166
1993	82896	184749	552883	52153	64563	75212	53660	44011
1994	85492	188610	546483	53458	66467	77679	59880	47169
1995	96185	198609	560791	54802	68277	80222	53201	51717
1996	94762	199125	559104	56095	70086	82698	50676	54449
1997	87820	194760	541364	57562	71991	85542	42167	55952
1998	105561	210442	549655	59004	73800	88176	43523	62434
1999	121774	224014	559358	60484	75704	91040	44947	68620
2000	134268	234619	567695	61994	77514	94018	46371	74299

Table L-2b

Value Added Gross Domestic Product 1980-2000
(In Ouguiyas 10,000 - 1980 Constant Prices)

Scenario A

Year	Butchering	Fish Processing	Artisan	Water Irrigation	Agricultural Sector	Rest of Economy	Gross Domestic Product
1980	50861	15553	45107	32931	952643	1821555	2774198
1981	51424	15845	47934	34046	992012	1896833	2888845
1982	52873	17036	51078	35099	1032430	1974117	3006547
1983	51673	17997	50876	35490	1049718	2005261	3053979
1984	53016	18750	54241	36488	1082864	2070552	3153416
1985	54497	19407	54895	36875	1098528	2100503	3199031
1986	53113	20494	53490	36880	1100279	2103851	3204130
1987	56473	21300	56728	38014	1148198	2195477	3343675
1988	56231	21957	60983	39341	1193266	2281652	3474918
1989	54434	22974	61608	39765	1207200	2308296	3515496
1990	55927	23882	59572	39774	1211301	2316137	3527438
1991	58216	24758	64030	41237	1272063	2432321	3704384
1992	55581	25788	65250	41973	1297660	2481265	3778925
1993	56941	26696	62910	41859	1298533	2482934	3781467
1994	58515	27503	60000	41793	1313049	2510690	3823739
1995	56485	28728	63299	43153	1355469	2591802	3947271
1996	57758	29595	61535	43159	1359042	2598634	3957676
1997	59408	30507	54424	42065	1323567	2530792	3854354
1998	56789	31858	55706	43412	1380360	2639396	4019756
1999	58577	32730	57010	44724	1438982	2751488	4190470
2000	58465	33995	58117	45808	1487163	2843615	4330778

Table L-3a

Value Added Gross Domestic Product 1980-2000
(In Ouguiyas 10,000 - 1980 Constant Prices)

Scenario B

Year	Cereal	Other Crops	Livestock	Poultry	Fishing	Forestry	Dairy	Milling & Extraction
1980	35754	110559	472947	37639	40566	50023	42235	18279
1981	42431	120294	483637	38406	42090	51651	44828	19102
1982	50739	130002	495872	39172	43518	53237	48712	20038
1983	48529	132371	492897	39945	45042	54879	46807	21490
1984	48580	136432	487102	40742	46470	56577	43945	22815
1985	54214	142801	499330	41562	47898	58447	47006	24201
1986	51814	146472	495415	42397	49327	60264	45042	26065
1987	46597	139119	478741	43246	50755	62255	38076	27697
1988	56976	157207	489083	44144	52088	64187	39934	29964
1989	66720	168294	499937	44991	53517	66367	42060	32386
1990	73510	177053	511129	45894	54850	68373	44480	34757
1991	71465	177840	506231	46813	56183	70625	41652	37522
1992	75719	184218	502287	47753	57516	72819	38736	40361
1993	83084	191767	511606	48695	58849	75121	40077	44168
1994	87560	198066	513349	49680	60087	77679	39001	47730
1995	99715	209374	522855	50658	61420	80222	40331	52146
1996	112418	221299	533920	51683	62658	82698	41858	57144
1997	123298	231228	544458	52714	63896	85542	43551	62165
1998	123422	234003	541894	53762	65134	88176	41012	65560
1999	130183	241545	541352	54749	66372	91040	38128	70250
2000	145416	254476	546025	55939	67610	94018	38555	76548

Table L-3b

Value Added Gross Domestic Product 1980-2000
(In Ouguiyas 10,000 - 1980 Constant Prices)

Scenario B

Year	Butchering	Fish Processing	Artisan	Water Irrigation	Agricultural Sector	Rest of Economy	Gross Domestic Product
1980	50861	15553	45107	32921	952444	1821175	2773619
1981	51424	15845	47934	34044	991686	1896210	2887896
1982	52897	16882	51875	35247	1038191	1985132	3023323
1983	51701	17791	51548	35256	1038256	1985257	3023513
1984	51441	18536	50114	35207	1037962	1984694	3022656
1985	52030	18804	53473	36236	1076002	2057431	3133433
1986	51422	20106	52425	36267	1077016	2059370	3136386
1987	49391	20758	47928	35039	1039602	1987830	3027432
1988	49690	21294	50145	36593	1091305	2086692	3177997
1989	50381	22284	52712	37801	1137450	2174926	3312376
1990	51081	23038	55586	38906	1178657	2253718	3432375
1991	50574	23885	53746	38737	1175273	2247248	3422521
1992	50558	24737	51715	38916	1185335	2266487	3451822
1993	51469	25492	53453	39860	1223732	2339907	3563639
1994	51408	26221	52999	40338	1244118	2378887	3623005
1995	52440	27272	54859	41493	1292785	2471943	3764728
1996	52617	28161	56673	42766	1343905	2569690	3913595
1997	53175	28891	58929	43905	1391752	2661179	4052931
1998	53431	30169	56975	43972	1397510	2672189	4069699
1999	53431	30932	54726	44395	1417103	2709653	4126756
2000	53523	31999	55367	45391	1464867	2800982	4265849

Table L-4a

Value Added Gross Domestic Product 1980-2000
(In Ouguiyas 10,000 - 1980 Constant Prices)

Scenario C

Year	Cereal	Other Crops	Livestock	Poultry	Fishing	Forestry	Dairy	Milling & Extraction
1980	35754	110559	472947	38011	40566	50023	42235	18279
1981	42431	118615	483637	39165	42375	51651	44828	19102
1982	45253	123354	49521	40333	44185	53237	46881	20150
1983	48529	128090	506341	41547	46089	54879	49762	21480
1984	49997	131887	507526	42792	48089	56577	49130	22779
1985	56561	138983	523789	44089	50184	58447	52743	24145
1986	63993	146550	540037	45400	52279	60264	57094	26170
1987	70113	152907	559710	46752	54469	62255	62250	28136
1988	68843	154139	559143	48154	56659	64187	60529	30266
1989	72072	158888	558268	49597	59040	66367	58542	32466
1990	81032	167192	578975	51092	61420	68373	63973	34985
1991	88999	173901	603489	52624	63992	70625	70348	37856
1992	92183	177809	608982	54202	66658	72819	70955	41150
1993	94654	180957	610514	55825	69419	75213	69648	44629
1994	95936	182752	607906	57494	72276	7767	67012	48231
1995	96646	184438	599523	59225	75238	80222	63225	51619
1996	98483	186579	592612	61015	78371	82698	59008	55020
1997	100483	189184	585196	62837	81608	85542	55068	58458
1998	104261	192442	[illegible]	64725	84941	88176	51449	62070
1999	114937	200963	595622	66652	88465	91040	53856	67203
2000	126852	290826	610618	68655	92083	94018	56375	73041

Table L-4b

Value Added Gross Domestic Product 1980-2000
(In Ouguiyas 10,000 - 1980 Constant Prices)

Scenario C

Year	Butchering	Fish Processing	Artisan	Water Irrigation	= Agricultural Sector	Rest of Economy	Gross Domestic Product
1980	50861	15553	45107	32940	952835	1821922	2774757
1981	51424	15845	47934	34006	991213	1895305	2886518
1982	52861	17012	49769	34922	1023176	1956422	2979598
1983	51765	17997	52365	35827	1054671	2016644	3071315
1984	53082	18848	52460	36157	1069324	2044662	3113986
1985	54573	19537	56036	37437	1116024	2133957	3249981
1986	53199	20696	60290	38795	1164757	2227140	3391897
1987	54753	21429	65245	40247	1218266	2329455	3547721
1988	56185	22215	65733	40356	1226409	2345025	3571434
1989	54578	23334	63294	40637	1237075	2365420	3602495
1990	[illegible]6152	24367	68612	42255	1298428	2482733	3781161
1991	57646	25376	74801	43991	1363648	2607441	3971089
1992	55884	26600	75851	44573	1387666	2653366	4041032
1993	57201	27670	75103	44907	1405739	2687923	4093662
1994	58581	28658	73260	44952	1414737	2705129	4119[illegible]
1995	56517	30134	70243	44689	1411709	2699339	4111048
1996	57828	31260	66726	44531	1414131	2[illegible]	4118101
1997	59277	32524	63259	44373	1417809	2711005	4128812
1998	53691	34109	59959	44374	142[illegible]30	2715727	4136007
1999	58143	35385	61493	45752	1479511	2828983	4308494
2000	62734	36864	63215	47122	1541403	2947327	4488730