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REPORT

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مكتب وزير الدولة لشؤون التنمية الإدارية
مركز مشاريع ودراسات القطاع العام

Republic of Lebanon
Office of the Minister of State for Administrative Reform
Center for Public Sector Projects and Studies
(C.P.S.P.S.)



REPUBLIC OF LEBANON

MINISTRY OF AGRICULTURE

REPUBLIQUE LIBANAISE

Ministère de l'Agriculture

Republic of Lebanon
Office of the Minister of State for Administrative Reform
Center for Public Sector Projects and Studies
(C.P.S.P.S.)

AGRICULTURAL STATISTICS

1968

A. Ec. No. 17

Statistics Section
Agricultural Economics Service
Department of Joint Technical Services
Ministry of Agriculture

May 1969

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Agricultural Statistics for 1968

Foreword

This bulletin contains the current agricultural statistics for 1968. These statistics have been prepared and published for the second time on province basis. A glance through the pages of this report would indicate that it is now possible for the readers to have statistics of area, average yield, production, prices and total value of any agricultural product for each of the provinces besides the total for Lebanon. This is a landmark in the history of development of Agricultural Statistics in Lebanon and it is an important step forward in meeting the expanding needs of the country for detailed Agricultural Statistics.

Methodology for the collection of data for the current Agricultural statistics 1968

For better accuracy and higher efficiency in collecting data for the year 1968, the Bureau of Agricultural Economics, Section of statistics, adopted the homogenous agricultural areas in Lebanon as defined by the statistician expert Jacques Gauthier since 1960.

A sample of villages was selected at random from each of these homogenous agricultural areas and the data were collected directly from six agricultural holders (3 large, 2 medium, 1 small) in each village selected in the sample. For the purpose of these current agricultural statistics four questionnaires were established:-

1. one questionnaire for the fruit trees
2. one questionnaire for the industrial crops, cereals and vegetables.
3. one questionnaire for livestock numbers
4. one questionnaire for livestock products.

Twenty other villages in each province were selected as representing the agricultural set-up in these provinces to check the data collected by direct interviewing especially for the average yield, prices and the proportion of increase and decrease in areas cultivated.

* Reference to the report published by Jacques Gauthier and the technical assistant Mr. Eugene Baz entitled "Aspect General de l'Agriculture Libanaise" which divided the whole country into 12 homogenous agricultural areas as the following:-

- Area no. 1 : Coastal area
- Area no. 2 : Akkar plain
- Area no. 3 : Koura and Zghorta
- Area no. 4 : Mountain of Lebanon higher than 800m. of altitude
- Area no. 5 : Kaa plain and Orontes valley
- Area no. 6 : Central and Southern Bekaa
- Area no. 7 : Hasbaya and Rashaya
- Area no. 8 : South of Lebanon
- Area no. 9 : The mountains of Lebanon between 150 and 800 meters.
- Area no. 9b: The Plateau of Akkar
- Area no. 10 : The Plateau of North Bekaa
- Area no. 11 : Anti Lebanon

On the other hand, during 1968, the Bureau of Agricultural Economics undertook some specific agricultural statistical and economic studies⁽¹⁾ for the following products: pears, peaches, apricots, quinces, prunes and loquats.

Another independent study was carried out for **livestock** numbers and products mainly for cows, sheep, goats, and honeycombs.

These specific and independent statistical studies completed the work done in the current agricultural statistics. Thus the estimates contained in this report are based on data collected from 518 villages distributed in the four provinces as follows:

<u>Province</u>	<u>Number of villages</u>
North Lebanon	108
Mount Lebanon	176
South Lebanon	134
Bekaa	100
Total Lebanon	518 villages

The Bureau got the help also of other sources such as specialised agencies and autonomous offices to collect statistical data on tobacco, sunflower, silk cocoons, poultry production, fish, and forestry products.

A special reference should be made to some reports prepared by the Fruit Office of Lebanon to elaborate the statistics concerning apple and citrus production. The report established by Mr. Beidas, from the Fruit Office on the Citrus production for the year 1966-67, is summarized in tables No. 24, 25, 26, 27, 28.

Salient Features:

1. Fruit Statistics:-

An important feature of the 1968 statistics is that the production of fruit crops has been based on productive area plus scattered trees instead of total area. Hence the fruit crop statistics comprise the following details on provincial basis.

- a. - Total area under fruit trees in compact form
 - The area under production
 - The area of non-bearing trees
 - The average yield per dunum of productive area
 - The total production of the productive area
- b. - Number of Fruit trees scattered
 - Number of Fruit trees scattered and at the bearing age.
 - Number of trees scattered and unproductive
 - Average yield per productive tree in the scattered area
 - Total production of scattered trees
- c. Total production
- d. Farm gate prices per kilogram
- e. Total value of production

(1) These specific studies will be published independently very soon.

It is well known that in Lebanon there are a large number of scattered trees of every kind of fruit in addition to compact areas. On the other hand, the entire area under a fruit crop can hardly be expected to be productive in any given year as there are new plantings that take a few years before coming into production. The estimates of fruit production based on total area under each crop did not, therefore, present a very realistic picture as they failed to account for the scattered trees while the yield per dunum was distorted by the presence of unproductive area. The system of estimating production separately from productive area and scattered trees (bearing and non-bearing) is not only more precise but also provides greater and useful details which may be needed while considering policy questions and preparing development projects for fruit production.

2. Gross Returns per hectare

From the two following tables it can be concluded that the average gross return per hectare is highest for the industrial crops followed next by fruits and vegetables; cereals and legumes are the lowest.

Table No. 1 Summary of Crop Statistics, 1968

Commodity Group	Total Area (Hectares)	Total Production (Tons)	Gross Farm Value	
			Total (Thousand L.L.)	Per Hec- tare(L.L)
Cereals	85,704	63,322	17,192	201
Legumes	13,987	20,350	4,547	326
Industrial Crops	16,763	130,984	45,259	2,700
Vegetables	32,015	332,913	64,490	2,014
Fruits	81,063	668,525	199,794	2,465
Total Crops	229,532		331,282	1,443 average

Table No. 2 Summary of Crop Statistics, 1968 Percentage Contribution

Commodity Group	Total Area	Total Production	Total Value
Cereals	37.3	5.2	5.2
Legumes	6.1	1.6	1.4
Industrial Crops	7.8	10.8	13.6
Vegetables	14.0	27.4	19.5
Fruits	35.3	55.0	60.3
Total Crops	100.0	100.0	100.0

It is to be noted that cereals and legumes although they contribute 43% of the total area under crops, their total value of production does not exceed 6.6%. This is also clear from the value of the gross returns per hectare which does not exceed 200 L.L. per hectare for cereals and 300 L.L. per hectare for legumes. The reason for this is that these two crops are

not irrigated and they are at the mercy of the weather conditions which were not very favourable during the year 1968 as it is going to be explained later on. This is different from the case of vegetables, fruits and some of the industrial crops which are largely irrigated and are under modern management and technology e.g. mechanization, use of fertilizer and pesticides etc.

3. Weather conditions:

The weather conditions in 1968 were not favourable for agricultural production because of the hot winds blowing during the spring of last year. This had had a very bad effect on the production of cereals and legumes, which resulted in a decline of the total tonnage by approximately 36,000 tons. However, these unfavourable weather conditions had had no effect on fruit production because the flowering season escaped the hot winds during the spring. Exception made for olive production we notice that the total increase in fruit was approximately 50,000 tons relatively to year 1967 and the total value of fruits accounted for 60% of the total value of crops in 1968.

This situation does not apply to olive production in 1968 where the total production was 32,000 tons as compared to the year 1967 when the production was 68,000 tons. The main reason for this reduction in production is that the olive tree follows the bi-annual fluctuation in production; it gives in one year a yield which is the double of the next year.

The weather conditions influenced a great deal the production of potatoes and onions; the period of hot winds during spring 1968 was followed by a period of high humidity in the Bekaa region; which was very favourable for the dissemination of the mildew disease on potatoes and onions. This is the reason why the total production for these two products declined relatively to what it was in 1967.

4. Agricultural Crops:

The total gross value of agricultural crops in Lebanon for the year 1968 was 331 million L.L. which is lower than that in the year 1967. There are two main reasons for this decline: in value of production: the first one is the low production of cereals and legumes as explained before; the second reason is the low production of olives. However, there was some compensation for this low production of these 3 crops by the increase in production and prices of fruits especially apples.

If we compare the total value of agricultural crops for the last 4 years it could be seen from these figures:-

<u>Year</u>	<u>Total Value million L.L.</u>
1965	291
1966	331
1967	333
1968	331

that there is some stagnation in the value of production during the last 3 years although there is an annual growth of 3.5% between 1968 and 1965.

5. Livestock Products:

The total gross value of livestock products was 183 million L.L. which shows an increase of 12 million L.L. relatively to 1967. If we compare the total value of livestock products for the last 4 years it could be seen from these figures:-

<u>Year</u>	<u>Total Value million L.L.</u>
1965	130
1966	159
1967	171
1968	183

that the annual growth was approximately 10% between 1965 and 1968.

The main reason for this growth in livestock products is explained by the quick expansion in egg production which accounted for 63 million L.L. i.e. an increase of 6 million L.L. relatively to 1967. The production of broilers (39 million L.L.) did not show any increase relatively to 1967 because of the prevalence of virus diseases during 1968. The second reason for the expansion of livestock production is the reliability more and more on highly selected stocks of dairy cows which increased its productivity from 1749 kgs. of milk/cow in 1967 to 2105 kgs. of milk/cow in 1968. Also we have to consider that the number of working cows is declining very rapidly.

One more point to be noticed is that the contribution of livestock production in the total agricultural product is 36% while it was 34% in the year 1967.

6. Total Gross Product of Agriculture in 1968

If we add the value of the agricultural crops to the value of livestock products we can see that the annual growth of the gross agricultural product in Lebanon as deduced from these figures:

<u>Year</u>	<u>Total Value million L.L.</u>
1965	421
1966	490
1967	504
1968	515

was 5.5%. The main reason for this growth is explained by the expansion of animal production. But if we compare this figure with what it was during the period 1955-1965 (6%) we see that there is a small decline in the annual production of agricultural growth in Lebanon. That means that although Lebanese Agriculture is improving, the possibilities of more expansion in production are constrained by the scarcity of fertile land, water for irrigation and by the decline in prices of Agricultural Products. (1)

(1) It is highly important to notice that in the limits of this study all prices are not considered constant as it was already done in a previous study established by the Bureau of Agricultural Economics in 1967. Reference should be made to the report A. Ec. No. 5 "Production and Supplies of Agricultural Products in Lebanon 1954-1966. A similar study would be made later on.

7. Provincial Contribution in Agricultural Production

As mentioned earlier all statistics for 1968 have been prepared province wise. Consequently, it has become possible to see what each province contribute to the total agricultural production of Lebanon. The share of each province in the area, production and value of individual crops may be seen in the relevant tables in this report. The following statement summarises the situation.

Table No. 3 Provincial Contribution in the Value of
Agricultural Production in 1968

Product	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Thousand Lebanese Pounds					
Cereals	2,447	271	4,445	10,029	17,192
Legumes	532	170	763	3,082	4,547
Industrial Crops	8,362	2,253	25,254	9,390	45,259
Vegetables	11,430	18,276	10,026	24,758	64,490
Fruits	45,670	51,367	68,195	34,562	199,794
Total Crops	68,441	72,337	108,683	81,821	331,282
Animal Products	21,348	57,071	22,522	74,488	183,429
Forestry Products	89	566	82	31	768
Total Agriculture	97,878	129,974	131,287	156,340	515,479
<u>Percentage Contribution</u>					
Cereals	14.2	1.6	25.9	58.3	100.0
Legumes	11.7	3.7	16.8	67.8	100.0
Industrial Crops	18.5	5.0	55.8	20.7	100.0
Vegetables	17.7	28.3	15.6	38.4	100.0
Fruits	22.9	25.7	34.1	17.3	100.0
Total Crops	20.7	21.8	32.8	24.7	100.0
Animal Products	16.0	31.1	12.3	40.6	100.0
Total Agriculture	19.0	25.1	25.5	36.4	100.0

It may be seen that on the whole Bekaa province made the largest contribution amounting to 36.4% of the total agricultural production. South Lebanon was second with 25.5% contribution. Mount Lebanon was third with 25.1% share and North Lebanon came last with 19%. It is interesting to note that the relative shares of the provinces are quite different when crops and livestock products are considered separately. For instance, South Lebanon accounted for 32.8% of the crop production but only 12.3% of the animal products. On the other hand, Bekaa accounted for 40.6% the animal products (mainly poultry) and only 24.7% of the crops. Cereals and legumes came mainly from Bekaa while South Lebanon had the major share of the industrial crops (mainly tobacco). South Lebanon was also leading in the fruits with a contribution of 34.1% of the value of all fruits produced in Lebanon. The chief contribution of Mount Lebanon was in vegetables and Fruits.

B	36,4
SL	25,5
ML	25,1
NL	19
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	106,0

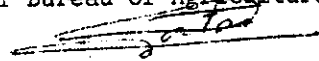
C o n c l u s i o n

From the Statistical data contained in this report and referring to the other statistical data contained in the Census of Agriculture for 1960 and other studies made by Jacques Gauthier on the conditions of Lebanese Agriculture and by the Agricultural Statistician Dr. Abdus Sattar it is now possible to define the salient features of Lebanese Agriculture which could be considered as a good basis for Agricultural Planning and policy.

1. Increase productivity per unit of land and labour used in production.
2. Intensify the use of agricultural inputs where and when they are physically and economically feasible with special emphasis on water and capital inputs.
3. Reduce costs of production per unit product.
4. Diversify the use of agricultural resources in the direction of stabilizing enterprises that are competitively profitable.
5. Improve the kinds and qualities of agricultural products .
6. Reduce the cost of marketing in agricultural products.
7. Develop and expand markets for export products.
8. Develop food processing industries where and when it is economically feasible to do so.
9. Promote the conservation of agricultural resources in accordance with the desires of society.

Working within the framework of these goals and objectives for the Lebanese agriculture would be in our opinion the best policy which could be implemented for agriculture in Lebanon.

Chief Bureau of Agricultural Economis



Adel Cortas

Table 1.

Area of Vegetables

(Area in dunums)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Green Peas	350	60	1,330	2,180	3,920
Green Broadbeans	935	800	5,995	6,220	13,950
Colocase	300	450	-	-	750
Water melon	5,720	20	3,900	9,400	19,040
Melon	650	-	400	1,000	2,050
Eggplant	5,500	7,150	1,800	1,100	15,550
Okra	4,000	150	2,270	400	6,820
Onions	4,400	2,700	2,300	22,000	31,400
Potatoes	19,900	6,610	3,700	47,000	77,210
Radish	490	600	250	500	1,840
Tomatoes	10,000	13,890	11,500	13,790	49,180
Garlic	700	950	300	4,400	6,350
Carrots	2,100	20	125	3,300	5,545
Lettuce	1,150	2,900	700	1,950	6,700
Cucumber	8,600	4,060	2,600	10,500	25,760
Spinach	425	570	500	100	1,595
Chenopodia	125	1,400	65	20	1,610
Artichoke	15	350	10	75	450
Squash	1,950	2,210	1,170	4,675	10,005
Turnips	250	90	400	740	1,480
Green Beans	4,540	3,600	950	5,960	15,050
Cabbage & Cauli- flower	2,300	5,600	5,480	7,850	20,630
Others	610	1,320	750	580	3,260
<i>Total Vegetables</i>	<i>75,010</i>	<i>54,900</i>	<i>46,495</i>	<i>143,740</i>	<i>320,145</i>

Table 2.

Average Yield of Vegetables

(Yield in kilograms per dunum)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Green Peas	203	314	247	323	286
Green Broadbeans	467	783	456	208	364
Colocase	1,200	2,310	-	-	1,866
Water melon	797	885	487	910	789
Melon	300	-	236	607	437
Eggplant	1,103	1,872	1,601	975	1,505
Okra	161	187	150	130	156
Onions	933	483	859	1,383	1,235
Potatoes	857	947	843	1,089	1,005
Radish	1,375	1,700	1,433	1,300	1,468
Tomatoes	1,190	1,200	1,302	1,158	1,210
Garlic	237	94	680	507	424
Carrots	1,513	2,048	1,627	2,150	1,897
Lettuce	2,300	1,500	2,100	1,534	1,709
Cucumber	1,303	960	1,232	1,115	1,165
Spinach	487	734	511	603	590
Chenpodia	1,253	1,165	1,200	1,000	1,074
Artichoke	1,150	1,150	1,150	1,150	1,150
Squash	600	1,256	636	993	933
Turnips	1,761	1,228	1,521	1,617	1,591
Green Beans	354	579	417	372	419
Cabbage & Cauliflower	1,712	1,862	1,308	1,030	1,382
Others	783	948	597	981	842

Table 3.

Production of Vegetables

(Production in metric tons)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Green Peas	71	19	329	704	1,123
Green Broadbeans	437	626	2,734	1,294	5,091
Colocase	360	1,040	-	-	1,400
Water melon	4,559	18	1,899	8,554	15,030
Melon	195	-	94	607	896
Eggplant	6,067	13,385	2,882	1,073	23,407
Okra	644	28	341	52	1,065
Onions	4,105	1,304	1,976	30,426	37,811
Potatoes	17,054	6,260	3,119	51,183	77,616
Radish	674	1,020	358	650	2,702
Tomatoes	11,900	16,668	14,973	15,969	59,510
Garlic	166	89	204	2,231	2,690
Carrots	3,177	41	203	7,095	10,516
Lettuce	2,645	4,350	1,470	2,991	11,456
Cucumber	11,206	3,898	3,203	11,708	30,015
Spinach	207	418	256	60	941
Chenopodia	157	1,631	78	20	1,886
Artichoke	17	403	12	86	518
Squash	1,170	2,776	744	4,642	9,332
Turnips	440	111	608	1,197	2,356
Green Beans	1,607	2,084	396	2,217	6,304
Cabbage & Cauliflower	3,938	9,310	7,168	8,086	28,502
Others	478	1,251	448	569	2,746
<i>Total Vegetables</i>	<i>71,274</i>	<i>66,730</i>	<i>43,495</i>	<i>151,414</i>	<i>322,913</i>

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Table 4.

Average Farm Price of Vegetables

(Price in P.L. per kilogram)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Green Peas	43	42	48	42	44
Green Broadbeans	27	40	36	27	33
Colocase	40	40	-	-	40
Water melon	15	20	19	15	16
Melon	17	-	22	20	19
Eggplant	8	19	26	25	17
Okra	50	61	48	57	59
Onions	15	34	23	11	13
Potatoes	16	32	29	16	18
Radish	9	8	9	10	9
Tomatoes	14	29	19	13	19
Garlic	91	100	97	85	87
Carrots	13	15	13	11	12
Lettuce	14	20	20	12	17
Cucumber	20	32	24	22	23
Spinach	32	32	28	27	31
Chenopodia	21	14	17	15	15
Artichoke	54	67	58	51	64
Squash	12	46	28	14	24
Turnips	13	17	15	12	13
Green Beans	32	58	60	44	47
Cabbage & Cauliflower	10	18	18	13	15
Others	32	52	33	42	43

Table 5.

Total value of Vegetables

(Value in Thousand L.L.)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Green Peas	31	8	158	296	493
Green Broadbeans	118	250	984	349	1,701
Colocase	144	416	-	-	560
Water melon	684	4	361	1,283	2,332
Melon	33	-	21	121	175
Eggplant	485	2,543	749	268	4,045
Okra	322	17	164	30	533
Onions	616	443	454	3,347	4,860
Potatoes	2,729	2,003	904	8,189	13,825
Radish	61	82	32	65	240
Tomatoes	1,666	4,834	2,845	2,076	11,421
Garlic	151	89	198	1,896	2,334
Carrots	413	6	26	780	1,225
Lettuce	370	870	294	359	1,893
Cucumber	2,241	1,247	769	2,576	<u>6,833 x</u>
Spinach	66	134	72	16	288
Chenpodia	33	228	13	3	277
Artichoke	9	270	7	44	330
Squash	140	1,277	208	650	2,275
Turnips	57	19	91	144	311
Green Beans	514	1,209	238	976	2,937
Cabbage & Cauli- flower	394	1,676	1,290	1,051	4,411
Others	153	651	148	239	1,191
<i>Total Vegetables</i>	<i>11,430</i>	<i>18,276</i>	<i>10,026</i>	<i>24,758</i>	<i>64,490</i>

Table 6.

Total Area Under Fruits

(area in dunums)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	7,366	942	91	2,387	10,786
Loquats	6	202	1,369	-	1,577
Oranges	27,447	11,296	39,947	-	78,690
Tangerines	1,110	2,395	7,131	-	10,636
Grapefruit	101	70	1,134	-	1,305
Lemons	896	2,173	16,581	-	19,650
Apples	39,600	48,300	4,323	21,000	113,223
Figs	370	690	8,700	5,300	15,060
Walnuts	-	4	-	680	684
Plums	1,019	1,536	11	962	3,528
Peaches	1,014	1,212	32	2,613	4,871
Pomegranates	711	25	1,697	340	2,773
Olives	120,742	57,558	88,874	1,460	268,634
Quinces	682	126	47	162	1,017
Grapes	12,415	28,505	21,800	90,715	153,435
Strawberries	-	510	15	480	1,005
Cherries	80	5,670	60	12,720	18,530
Almonds	1,335	1,996	228	1,592	5,151
Apricots	2,071	167	35	15,409	17,682
Bananas	600	5,220	18,700	-	24,520
Others	110	1,170	693	681	2,654
<i>Total Fruits</i>	<i>217,675</i>	<i>169,767</i>	<i>211,468</i>	<i>156,501</i>	<i>755,411</i>

Table 7.

Production Area Under Fruits

(area in dunums)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	7,071	885	63	1,814	9,833
Loquats	6	190	1,245	-	1,411
Oranges	26,294	11,054	31,537	-	68,885
Tangerines	1,110	2,395	6,402	-	9,907
Grapefruit	101	70	1,005	-	1,176
Lemons	896	2,162	14,777	-	17,835
Apples	37,418	41,065	3,800	18,780	101,063
Figs	320	600	5,795	4,993	11,708
Walnuts	-	4	-	155	159
Plums	917	1,275	7	702	2,901
Peaches	1,004	1,067	19	2,038	4,128
Pomegrenates	674	25	1,467	70	2,236
Olives	110,962	54,446	59,891	993	226,292
Quinces	641	120	38	65	864
Grapes	12,231	24,855	13,482	81,388	131,956
Strawberries	-	510	15	480	1,005
Cherries	48	3,840	20	7,720	11,628
Almonds	998	1,845	155	1,490	4,488
Apricots	1,864	122	21	10,016	12,023
Bananas	600	5,220	18,700	-	24,520
Others	100	1,060	430	663	2,253
<i>Total Fruits</i>	<i>203,255</i>	<i>152,810</i>	<i>158,869</i>	<i>131,367</i>	<i>646,301</i>

Table 8.

Non-Production Area Under Fruits

(Area in Dunums)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	295	57	28	573	953
Loquats	-	12	124	-	136
Oranges	1,153	242	8,410	-	9,805
Tangerines	-	-	729	-	729
Grapefruit	-	-	129	-	129
Lemons	-	11	1,804	-	1,815
Apples	2,182	7,235	523	2,220	12,160
Figs	50	90	2,905	307	3,352
Walnuts	-	-	-	525	525
Plums	102	261	4	260	627
Peaches	10	145	13	575	743
Pomegranates	37	-	230	270	537
Olives	9,780	3,112	28,983	467	42,342
Quinces	41	6	9	97	153
Grapes	184	3,650	8,318	9,327	21,479
Cherries	32	1,830	40	5,000	6,902
Almonds	337	151	73	102	663
Apricots	207	45	14	5,393	5,659
Others	10	110	263	18	401
<i>Total Fruits</i>	<i>14,420</i>	<i>16,957</i>	<i>52,599</i>	<i>25,134</i>	<i>109,110</i>

Table 9. Average Yield of Fruits

(Yield in kilograms per dunum)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	724	1,409	956	1,564	942
Loquats	580	1,120	1,813	-	1,716
Oranges	1,958	2,440	2,548	-	2,305
Tangerines	1,127	1,258	1,406	-	1,339
Grapefruit	2,692	3,271	3,200	-	3,161
Lemons	2,373	2,946	3,198	-	3,126
Apples	1,217	2,175	1,492	1,036	1,583
Figs	500	408	692	1,050	825
Walnuts	-	693	-	628	629
Plums	735	1,668	439	818	1,164
Peaches	1,927	2,289	1,300	2,040	2,074
Pomegrenates	1,139	874	1,423	1,267	1,327
Olives	129	116	173	400	139
Quinces	825	807	412	440	777
Grapes	455	642	703	563	582
Strawberries	-	423	581	475	451
Cherries	823	752	711	1,430	1,202
Almonds	638	571	675	390	529
Apricots	1,106	975	934	1,145	1,137
Bananas	700	1,400	1,150	-	1,192
Others	950	1,200	900	1,050	1,087

Table 10. Production of Productive Area Under Fruits

(Production in metric tons)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	5,119	1,247	60	2,837	9,263
Loquats	3	213	2,257	-	2,473
Oranges	51,484	26,972	80,356	-	158,812
Tangerines	1,251	3,013	9,001	-	13,265
Grapefruit	272	229	3,216	-	3,717
Lemons	2,126	6,369	47,257	-	55,752
Apples	45,538	89,316	5,669	19,456	159,979
Figs	160	245	4,010	5,243	9,658
Walnuts	-	3	-	97	100
Plums	674	2,127	3	574	3,378
Peaches	1,935	2,442	25	4,158	8,560
Pomegrenates	768	22	2,088	89	2,967
Olives	14,314	6,316	10,361	397	31,388
Quinces	529	97	16	29	671
Grapes	5,565	15,957	9,478	45,821	76,821
Strawberries	-	216	9	228	453
Cherries	40	2,888	14	11,040	13,982
Almonds	636	1,053	105	581	2,375
Apricots	2,062	119	20	11,468	13,669
Bananas	420	7,308	21,505	-	29,233
Others	95	1,272	387	696	2,450
<i>Total Fruits</i>	<i>132,991</i>	<i>167,424</i>	<i>195,837</i>	<i>102,714</i>	<i>598,966</i>

Table 11.

Number of Scattered Fruit Trees

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	347,459	188,582	11,431	34,355	581,827
Loquats	35,649	12,802	71,344	2	119,797
Oranges	12,253	9,037	54,556	50	75,896
Tangerines	1,800	6,340	24,260	-	32,400
Grapefruit	530	230	4,650	-	5,410
Lemons	13,296	22,672	40,286	-	76,254
Apples	11,800	64,220	5,810	9,500	91,330
Figs	35,600	21,400	46,000	37,800	140,800
Walnuts	8,318	5,228	3,551	10,967	28,064
Plums	95,256	91,782	648	17,985	205,671
Peaches	185,299	102,254	5,206	24,800	317,559
Pomegrenates	58,430	4,990	25,500	8,100	97,020
Olives	11,800	30,600	59,900	1,790	104,090
Quinces	36,644	46,677	1,272	817	85,410
Grapes	85,340	153,960	66,790	17,800	323,890
Cherries	12,390	24,100	24,700	17,970	79,160
Almonds	52,665	35,130	26,250	26,340	140,385
Apricots	157,990	21,379	1,476	23,709	204,554
Bananas	1,100	7,350	14,585	-	23,035
Others	2,750	20,200	3,460	2,350	28,760
<i>Total Fruits</i>	<i>1,166,369</i>	<i>868,933</i>	<i>491,675</i>	<i>234,335</i>	<i>2,761,312</i>

Table 12. Number of Productive Scattered Fruit Trees

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	333,561	17,726	7,887	25,766	384,940
Loquats	35,649	12,033	64,923	-	112,605
Oranges	11,763	8,765	43,099	-	63,627
Tangerines	1,800	6,340	21,834	-	29,974
Grapefruit	530	230	4,138	-	4,898
Lemons	13,296	22,445	35,854	-	71,595
Apples	11,000	54,587	5,113	8,455	79,155
Figs	30,616	18,618	30,820	35,532	115,586
Walnuts	8,318	5,228	3,551	7,567	24,664
Plums	85,730	75,261	415	13,129	174,535
Peaches	183,446	89,983	3,072	19,344	295,845
Pomegrenates	55,509	4,990	21,930	1,701	84,130
Olives	10,856	29,070	40,133	1,217	81,276
Quinces	34,445	44,343	1,030	327	80,145
Grapes	84,487	133,945	41,410	16,020	275,862
Cherries	7,434	16,388	8,151	10,962	42,935
Almonds	39,499	32,320	17,850	24,760	114,429
Apricots	142,191	15,606	885	15,410	174,092
Bananas	1,100	7,350	14,585	-	23,035
Others	2,550	18,980	2,320	2,300	26,150
<i>Total Fruits</i>	<i>1,093,780</i>	<i>614,208</i>	<i>369,000</i>	<i>182,490</i>	<i>2,259,478</i>

Table 13. Number of Non-Productive Scattered Fruit Trees

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	13,898	170,856	3,544	8,589	196,887
Loquats	-	769	6,421	2	7,192
Oranges	490	272	11,457	50	12,269
Tangerines	-	-	2,426	-	2,426
Grapefruit	-	-	512	-	512
Lemons	-	227	4,432	-	4,659
Apples	800	9,633	697	1,045	12,175
Figs	4,984	2,782	15,180	2,268	25,214
Walnuts	-	-	-	3,400	3,400
Plums	9,526	16,521	233	4,856	31,136
Peaches	1,853	12,271	2,134	5,456	21,714
Pomegrenates	2,921	-	3,570	6,399	12,890
Olives	944	1,530	19,767	573	22,814
Quinces	2,199	2,334	242	490	5,265
Grapes	853	20,015	25,380	1,780	48,028
Cherries	4,956	7,712	16,549	7,008	36,225
Almonds	13,166	2,810	8,400	1,580	25,956
Apricots	15,799	5,773	591	8,299	30,462
Bananas	-	-	-	-	-
Others	200	1,220	1,140	50	2,610
<i>Total Fruits</i>	<i>72,589</i>	<i>254,725</i>	<i>122,675</i>	<i>51,847</i>	<i>501,836</i>

Table 14.

Average Yield of Scattered Fruit Trees

(Yield in Kilograms per tree)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	18	19	15	19	18
Loquats	25	34	49	-	39
Oranges	30	38	37	-	36
Tangerines	27	28	35	-	33
Grapefruit	47	56	64	-	62
Lemons	37	58	51	-	51
Apples	29	41	18	33	37
Figs	16	18	39	48	32
Walnuts	35	33	41	32	35
Plums	26	53	24	31	38
Peaches	28	33	23	30	30
Pomegranates	32	23	37	34	33
Olives	6	5	14	20	10
Quinces	23	17	9	10	19
Grapes	18	27	29	28	25
Cherries	23	20	26	37	26
Almonds	18	19	23	18	19
Apricots	61	58	43	79	62
Bananas	7	15	12	-	13
Others	67	53	49	65	55

Table 15.

Production of Scattered Fruit Trees

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	6,004	337	118	490	6,949
Loquats	891	409	3,181	-	4,481
Oranges	353	333	1,595	-	2,281
Tangerines	49	178	764	-	991
Grapefruit	25	13	265	-	303
Lemons	492	1,302	1,828	-	3,622
Apples	319	2,238	92	279	2,928
Figs	490	335	1,202	1,706	3,733
Walnuts	291	173	146	242	852
Plums	2,229	3,988	10	407	6,634
Peaches	5,136	2,969	71	580	8,756
Pomegrenates	1,776	115	811	58	2,760
Olives	65	145	562	24	796
Quinces	792	754	9	3	1,558
Grapes	1,521	3,617	1,201	449	6,788
Cherries	171	328	212	406	1,117
Almonds	711	614	411	446	2,182
Apricots	8,674	905	38	1,217	10,334
Bananas	8	110	175	-	293
Others	171	1,006	114	150	1,441
<i>Total Fruits</i>	<i>30,168</i>	<i>19,869</i>	<i>12,805</i>	<i>6,457</i>	<i>69,299</i>

الجمهورية اللبنانية

مكتب وزير الدولة لشؤون التنمية الإدارية
مركز مشاريع ودراسات القطاع العام

Table 16.

Production of Total Fruits

(Production in metric tons)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	11,123	1,584	178	3,327	16,212
Loquats	894	622	5,438	-	6,954
Oranges	51,837	27,305	81,951	-	161,093
Tangerines	1,300	3,191	9,765	-	14,256
Grapefruit	297	242	3,481	-	4,020
Lemons	2,618	7,671	49,085	-	59,374
Apples	45,857	91,554	5,761	19,735	162,907
Figs	650	580	5,212	6,949	13,391
Walnuts	291	176	146	339	952
Plums	2,903	6,115	13	981	10,012
Peaches	7,071	5,411	96	4,738	17,316
Pomegrenates	2,544	137	2,899	147	5,727
Olives	14,379	6,461	10,923	421	32,184
Quinces	1,321	851	25	32	2,229
Grapes	7,086	19,574	10,579	46,270	83,509
Strawberries	-	216	9	228	453
Cherries	211	3,216	226	11,446	15,099
Almonds	1,347	1,667	516	1,027	4,557
Apricots	10,736	1,024	58	12,685	24,503
Bananas	428	7,418	21,680	-	29,526
Stonepine	-	233	27	-	260
Others	266	2,278	501	846	3,891
Total Fruits	163,159	187,526	208,669	109,171	668,525

Table 17. Average Farm Price of Fruits

(Price in P.L. per kilogram)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	30	36	40	40	33
Loquats	25	55	43	-	42
Oranges	24	25	25	-	25
Tangerines	30	43	33	-	35
Grapefruit	21	21	22	-	22
Lemons	26	27	27	-	27
Apples	18	16	14	12	16
Figs	30	27	25	23	24
Walnuts	140	123	105	88	113
Plums	30	31	32	30	31
Peaches	19	35	31	28	27
Pomegrenates	31	35	25	25	28
Olives	79	84	89	75	83
Quinces	20	26	21	34	22
Grapes	16	21	28	33	22
Strawberries	-	258	227	138	197
Cherries	100	88	94	56	69
Almonds	74	56	53	55	61
Apricots	22	41	34	31	27
Bananas	46	50	52	-	51
Stonepine	-	700	700	-	700
Others	57	63	63	58	62

Table 18.

Total Value of Fruits Produced in 1968

(Value in Thousand L.L.)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Pears	3,337	570	71	1,331	5,309
Loquats	224	342	2,338	-	2,904
Oranges	12,441	6,826	20,488	-	39,755
Tangerines	390	1,372	3,222	-	4,984
Grapefruit	62	51	766	-	879
Lemons	681	2,071	13,253	-	16,005
Apples	8,254	14,649	807	2,368	26,078
Figs	195	157	1,303	1,598	3,253
Walnuts	407	216	153	298	1,074
Plums	871	1,896	4	294	3,065
Peaches	1,343	1,894	30	1,327	4,594
Pomegrenates	789	48	725	37	1,599
Olives	11,359	5,427	9,721	316	26,823
Quinces	264	221	5	11	501
Grapes	1,134	4,111	2,090	15,259	26,594
Strawberries	-	557	20	315	892
Cherries	211	2,830	212	6,410	9,663
Almonds	997	934	273	565	2,769
Apricots	2,362	420	20	3,932	6,734
Bananas	197	3,709	11,274	-	15,180
Stonepine	-	1,631	150	-	1,820
Others	152	1,425	331	491	3,409
<i>Total Fruits</i>	<i>45,670</i>	<i>51,367</i>	<i>68,195</i>	<i>34,562</i>	<i>199,794</i>

Table 19. Area of Cereals, Legumes and Industrial Crops

(Area in Dunums)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Cereals</u>					
Wheat	141,830	19,450	165,660	353,570	680,510
Barley	4,250	3,000	22,760	104,620	134,630
Maize	8,500	80	7,930	13,750	30,260
Sorghum	9,600	10	2,030	-	11,640
<i>Total Cereals</i>	<i>164,180</i>	<i>22,540</i>	<i>198,380</i>	<i>471,940</i>	<i>857,040</i>
<u>Legumes</u>					
Vetches	9,450	730	21,980	23,885	56,045
Dry Broadbeans	470	400	2,800	3,000	6,670
Alfalfa	300	85	220	1,700	2,305
Dry Peas	350	60	1,330	1,500	3,240
Lentils	3,120	300	7,585	17,565	28,570
Chickpeas	5,000	1,100	4,425	19,150	29,675
Dry Beans	1,350	200	80	10,000	11,630
Lupins	400	50	800	500	1,750
<i>Total Legumes</i>	<i>20,440</i>	<i>2,905</i>	<i>39,220</i>	<i>77,300</i>	<i>139,865</i>
<u>Industrial crops</u>					
Groundnut	28,200	-	50	-	28,250
Sesame	1,300	-	75	-	1,375
Anis	-	-	-	200	200
Sugarbeet	-	-	-	24,990	24,990
Sugarcane	10	85	50	-	95
Sunflower	-	-	-	28,877	28,877
Tobacco	18,273	4,718	48,208	722	71,921
Flowers	150	450	300	400	1,300
Others	-	-	-	10,710	10,710
<i>Total Industrial crops</i>	<i>47,933</i>	<i>5,198</i>	<i>48,599</i>	<i>65,899</i>	<i>167,629</i>

Table 20.

Average Yield of Cereals,
Legumes and Industrial Crops

(Yield in kilograms per dunum)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Cereals</u>					
Wheat	51	48	72	78	70
Barley	53	41	93	87	86
Maize	110	100	84	154	123
Sorghum	30	30	33	-	31
<u>Legumes</u>					
Vetches	45	60	39	49	44
Dry Broadbeans	104	128	99	119	110
Alfalfa	6,000	5,100	3,600	5,490	5,361
Dry Peas	120	67	71	113	96
Lentils	44	50	38	38	39
Chickpeas	55	64	42	59	56
Dry Beans	81	192	124	139	133
Lupins	41	66	85	98	78
<u>Industrial crops</u>					
Groundnut	117	-	60	-	117
Sesame	70	-	78	-	71
Anis	-	-	-	128	128
Sugarbeet	-	-	-	4,760	4,760
Sugarcane	2,160	2,390	2,400	-	2,379
Sunflower	-	-	-	58	58
Tobacco	75	62	101.5	75.5	92

Table 21. Production of Cereals, Legumes and Industrial Crops

(Production in metric tons)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Cereals</u>					
Wheat	7,233	934	11,928	27,578	47,673
Barley	225	123	2,117	9,102	11,567
Maize	935	8	666	2,118	3,727
Sorghum	288	-	67	-	355
<i>Total Cereals</i>	<i>8,681</i>	<i>1,065</i>	<i>14,778</i>	<i>38,798</i>	<i>63,322</i>
<u>Legumes</u>					
Vetches	425	44	857	1,170	2,496
Dry Broadbeans	49	51	277	357	734
Alfalfa	1,800	434	792	9,333	12,359
Dry Peas	42	4	95	170	311
Lentils	137	15	288	667	1,107
Chickpeas	275	70	186	1,130	1,661
Dry Beans	109	38	10	1,390	1,547
Lupins	16	2	68	49	135
<i>Total Legumes</i>	<i>2,853</i>	<i>658</i>	<i>2,573</i>	<i>14,266</i>	<i>20,350</i>
<u>Industrial crops</u>					
Groundnut	3,299	-	3	-	3,302
Sesame	91	-	6	-	97
Anis	-	-	-	26	26
Sugarbeet	-	-	-	118,952	118,952
Silk cocoons	32	67	0.5	4	103.5
Sugarcane	22	84	120	-	226
Sunflower	-	-	-	1,675	1,675
Tobacco	1,370	292	4,885	55	6,602
<i>Total Industrial Crops</i>	<i>4,814</i>	<i>443</i>	<i>5,014.5</i>	<i>120,712</i>	<i>130,983.5</i>

Table 22.

Average farm price of Cereals,

Legumes and Industrial crops

(Price in P.L. per kilogram)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Cereals</u>					
Wheat	29	26	31	28	29
Barley	19	21	26	20	21
Maize	26	27	27	23	24
Sorghum	22	23	25	-	23
<u>Legumes</u>					
Vetches	26	28	27	25	26
Dry Broadbeans	44	47	44	41	43
Alfalfa	5	6	5	5	5
Dry Peas	61	61	60	58	59
Lentils	60	60	59	85	75
Chickpeas	40	55	51	41	43
Dry Beans	77	150	73	73	75
Lupins	50	54	60	65	61
<u>Industrial crops</u>					
Groundnut	54	-	55	-	54
Sesame	86	-	85	-	86
Anis	-	-	-	87	87
Sugarbeet	-	-	-	5,5	5,5
Silk cocoons	601	601	601	601	601
Sugarcane	10	10	10	-	10
Sunflower	-	-	-	75	75
Tobacco	450	508	511	474	497

Table 23. Total Value of Cereals, Legumes and Industrial Crops

(Value in Thousand L.L.)

Crop	North Lebanon	Mount Lebanon	South Lebanon	Pekaa	Total Lebanon
<u>Cereals</u>					
Wheat	2,098	243	3,698	7,722	13,761
Barley	43	26	550	1,820	2,439
Maize	243	2	180	487	912
Sorghum	63	-	17	-	80
<i>Total Cereals</i>	<i>2,447</i>	<i>271</i>	<i>4,445</i>	<i>10,029</i>	<i>17,192</i>
<u>Legumes</u>					
Vetches	111	12	231	293	647
Dry Broadbeans	22	24	122	146	314
Alfalfa	90	26	40	467	623
Dry Peas	25	2	57	99	183
Lentils	82	9	170	567	828
Chickpeas	110	39	95	463	707
Dry Beans	84	57	7	1,015	1,163
Lupins	8	1	41	32	82
<i>Total Legumes</i>	<i>532</i>	<i>170</i>	<i>763</i>	<i>3,082</i>	<i>4,547</i>
<u>Industrial crops</u>					
Groundnut	1,782	-	2	-	1,784
Sesame	78	-	5	-	83
Anis	-	-	-	23	23
Sugarbeet	-	-	-	6,542	6,542
Silk cocoons	192	402	3	24	621
Sugarcane	2	8	12	-	22
Sunflower	-	-	-	1,256	1,256
Tobacco	6,165	1,483	24,962	261	32,871
Flowers	143	360	270	320	1,093
Others	-	-	-	964	964
<i>Total Industrial crops</i>	<i>8,362</i>	<i>2,253</i>	<i>25,254</i>	<i>9,390</i>	<i>45,259</i>

Table 24. Census of Citrus in Lebanon (1)
for the season 1966-1967

Mohafazat	No. of Villages	No. of Orchards	Area in dunums	No. of trees Thousand	Total Prod. Tons
North Lebanon	69	4,991	33,171	2,112	50,700
Mount Lebanon	52	2,926	15,180	847	38,650
South Lebanon	77	2,696	60,927	2,526	129,050
<i>Total</i>	198	10,613	109,278	5,485	218,400

(1) Reference: *Fruit Office of Lebanon.*

Repartition of Citrus crops by Provinces (1)

Table 25.

Province of North Lebanon (season 1966-1967)

Caza	No. of Villages	No. of Orchards	Area in dunums	No. of trees Thousand	Total Prod. Tons
Akkar	34	507	8,653	352.7	5,010
Tripoli	12	2,334	15,863	1102.3	31,600
Zogharta	15	1,141	5,336	596.5	9,671
Koura	5	430	1,778	171.5	3,340
Batroun	3	579	1,541	89.1	1,069
<i>Total</i>	<i>69</i>	<i>4,991</i>	<i>33,171</i>	<i>2112.1</i>	<i>50,690</i>

Table 26.

Province of Mount Lebanon (season 1966-1967)

Caza	No. of Villages	No. of Orchards	Area in dunums	No. of trees Thousand	Total Prod. Tons
Jbeil	7	479	847	50.1	2,297
Kesrouan	7	388	1,019	73.2	4,440
Metn	11	699	4,921	323.5	12,156
Baabda	9	656	3,454	169.6	7,855
Aley	2	66	905	34.5	889
Chouf	16	638	4,034	186.4	11,005
<i>Total</i>	<i>52</i>	<i>2,926</i>	<i>15,180</i>	<i>847.3</i>	<i>38,642</i>

Table 27.

Province of South Lebanon (season 1966-1967)

Caza	No. of Villages	No. of Orchards	Area in dunums	No. of Trees Thousand	Total Prod. Tons
Saida	36	1,723	30,118	1296.8	77,628
Jezzine	11	237	1,125	55.0	1,814
Nabatieh	5	53	580	23.5	647
Marjeyoun	3	26	289	12.0	218
Tyr	22	657	28,815	1138.5	48,745
<i>Total</i>	<i>77</i>	<i>2,696</i>	<i>60,927</i>	<i>2525.8</i>	<i>129,052</i>

(1) Reference: Fruit Office of Lebanon.

Table 28.

Area of Productive and Non-Productive Citrus (season 1966-1967)

(1)

Area = dunum

	Productive area (dunums)			Non-Productive area (dunums)		
	Productive less than 1 ton in a dunum (dunums)	Normal Production above 1 ton in a dunum (dunums)	Total of productive area (dunums)	Between one and three years old (dunums)	Neglected (dunums)	Total of non-productive area (dunums)
North Lebanon	4,087	22,019	26,106	2,644	4,420	7,064
Mount Lebanon	857	12,112	12,969	1,704	508	2,212
South Lebanon	5,329	38,622	43,951	15,566	1,410	16,976
Total Lebanon	10,273	72,753	83,026	19,914	6,338	26,252
Percentage of the total area	9.4%	66.6%	76.0%	18.2%	5.8%	24.0%

(1) Reference: Fruit Office of Lebanon.

Table 29.

Forestry Products

Quantity of Wood Produced (1)

(Production in Tons)

Leafy Trees	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Industrial Wood	933	1,072	199	368	2,572
Burning Wood	7,469	32,002	5,185	1,237	45,893
<i>Total</i>	<i>8,402</i>	<i>33,074</i>	<i>5,384</i>	<i>1,605</i>	<i>48,465</i>
<u>Coniferous Trees</u>					
Industrial Wood	737	5,772	632	62	7,203
Burning Wood	159	1,754	557	25	2,495
<i>Total</i>	<i>896</i>	<i>7,526</i>	<i>1,189</i>	<i>87</i>	<i>9,698</i>
<i>Total All Wood</i>	<i>9,298</i>	<i>40,600</i>	<i>6,573</i>	<i>1,692</i>	<i>58,163</i>

(1) Reference: Department of Forestry and natural resources.

Table 30.

Forestry Products

Value of Wood Produced (1)

(Thousand Lebanese Pounds)

<u>Leafy Trees</u>	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Industrial Wood	47	54	10	18	129
Burning Wood	10	256	41	10	317
<i>Total</i>	57	310	51	28	446
<u>Coniferous Trees</u>					
Industrial Wood	31	242	27	3	303
Burning Wood	1	14	4	-	19
<i>Total</i>	32	256	31	3	322
<i>Total All Wood</i>	89	566	82	31	768

(1) Reference: Department of Forestry and natural Resources.

Table 31.

Livestock Population in 1968

(Number)

Type of animal	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Milk cows:</u>					
Under 15 months	5,787	2,605	4,535	2,685	15,612
15 months & over	12,973	5,875	5,136	5,536	29,520
<i>Total</i>	<i>18,760</i>	<i>8,480</i>	<i>9,671</i>	<i>8,221</i>	<i>45,132</i>
<u>Working cattle:</u>					
Male	502	2,703	7,437	1,751	12,393
Female	4,440	988	4,761	1,705	11,894
<i>Total</i>	<i>4,942</i>	<i>3,691</i>	<i>12,198</i>	<i>3,456</i>	<i>24,287</i>
<u>Other cattle:</u>					
Under 15 months	6,137	2,545	2,589	2,189	13,460
15 months & over	1,572	893	421	614	3,500
<i>Total</i>	<i>7,709</i>	<i>3,438</i>	<i>3,010</i>	<i>2,803</i>	<i>16,960</i>
TOTAL CATTLE	31,411	15,609	24,879	14,480	86,379
<u>Sheep:</u>					
Female	27,666	10,115	22,080	108,512	168,393
Male	5,220	8,587	2,247	15,093	31,147
<i>Total</i>	<i>32,906</i>	<i>18,702</i>	<i>24,327</i>	<i>123,605</i>	<i>199,540</i>
<u>Goats:</u>					
Female	48,864	49,982	77,671	115,044	291,561
Male	9,467	12,783	19,278	24,221	65,749
<i>Total</i>	<i>58,331</i>	<i>62,765</i>	<i>96,949</i>	<i>139,265</i>	<i>357,310</i>
<u>Poultry:</u>					
Layers	303,800	1,063,300	60,800	1,610,000	3,037,900
Broilers	2,700,000	4,590,000	810,000	5,400,000	13,500,000
Pigs	227	5,969	339	7,076	13,611
Horses	1,179	228	266	1,271	2,944
Mules	849	611	480	1,562	3,502
Donkeys	8,057	4,201	8,382	7,670	28,310
Camels	114	32	209	78	433
Rabbits	3,673	11,351	2,427	5,891	23,342
Honey combs [New	2,781	6,427	4,643	1,096	14,947
[Old	7,794	7,603	6,399	6,920	28,716
<i>Total Honey combs</i>	<i>10,575</i>	<i>14,030</i>	<i>11,042</i>	<i>8,016</i>	<i>43,663</i>

Table 32.

Averages and Bases for calculating
Production of animal products for 1968

Product	Unit	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Milk Producing Animals:</u>						
Milk cows	Number	11,416	5,270	4,366	4,705	25,747
Working cows	"	336	1,811	4,983	1,488	8,618
Sheep	"	23,200	6,322	13,535	90,607	133,664
Goats	"	33,716	36,287	46,603	89,734	206,340
<u>Lactation Period:</u>						
Milk cows	Days	216	240	186	214	214
Working cows	"	190	210	180	192	193
Sheep	"	140	132	135	135	136
Goats	"	150	150	150	160	153
<u>Average yield of milk per animal per year:</u>						
Milk cows	Kilograms	1,732	2,714	2,027	2,397	2,105
Working cows	"	760	840	684	787	737
Sheep	"	87	74	71	72	75
Goats	"	92	123	99	97	101
<u>Locally produced animals and birds slaughtered:</u>						
Cattle	Number	4,341	2,246	5,914	4,337	16,838
Sheep	"	13,162	7,481	9,730	49,442	79,815
Goats	"	23,332	25,106	38,779	55,700	142,917
Pigs	"	193	5,073	290	6,015	11,571
Poultry	1,000 birds	2,920	5,670	800	6,810	16,200
<u>Average yield of Honey per honey-comb</u>						
	New Kilograms	4.5	4.9	3.6	4.9	4.4
	Old	1.5	1.3	1.0	1.3	1.2
<u>Average production of eggs per layer</u>						
	Number	175	195	189	206	199

Table 33.

Production of animal Products
from locally produced stock

Product	Unit	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Milk:</u>						
Cow milk	Ton	20,028	15,824	12,258	12,449	60,559
Sheep milk	"	2,018	268	961	6,524	9,971
Goat milk	"	3,102	4,463	4,614	8,704	20,883
<i>Total milk</i>	"	<i>25,148</i>	<i>20,555</i>	<i>17,833</i>	<i>27,677</i>	<i>91,413</i>
<u>Meats:</u>						
Beef	"	504	261	792	473	2,030
Mutton	"	276	172	234	1,137	1,819
Goat meat	"	467	402	776	1,058	2,703
Offals	"	294	167	360	534	1,355
Poultry meat	"	3,212	6,237	880	7,491	17,820
Pork	"	19	558	29	632	1,238
Fish	"	500	700	800	35	2,035
<i>Total meat</i>	"	<i>5,272</i>	<i>8,497</i>	<i>3,871</i>	<i>11,360</i>	<i>29,000</i>
EGGS	1000 eggs	53,138	207,117	11,473	332,112	603,840
<u>Other Products:</u>						
Honey	Kilograms	21,868	41,376	23,114	14,366	100,724
Hides	Number	4,341	2,246	5,914	4,337	16,838
Skins	"	36,494	32,587	48,509	105,142	222,732
Wool	Ton	82	47	59	307	495
Manures	1000 bags	793	684	651	969	3,097

Table 34.

Farm Gate price of animal products

Product	Unit	Price Per Unit in P. L.				
		North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
Cow milk	Kilograms	36	43	43	37.5	39.6
Sheep milk	"	43	49	45	47	46
Goat milk	"	39	49	45	39	42
Beef	"	327	330	330	354	335
Mutton	"	391	396	408	439	423
Goat meat	"	362	362	392	401	386
Offals	"	110	125	100	105	107
Poultry meat	"	208	249	234	194	218
Pork	"	184	191	175	187	189
Fish	"	300	325	290	400	356
EGGS	piece	10	11	12	10	10
Honey	kilograms	518	722	710	593	656
Hides	piece	1,170	1,485	972	837	1,051
Skins	"	459	329	321	345	356
Wool	kilograms	258	290	275	251	259
Manures	bag	157	207	219	162	183

Table 35.

Total Farm-Gate value of Animal
Products produced from Local Animals

(Thousand Lebanese Pounds)

Product	North Lebanon	Mount Lebanon	South Lebanon	Bekaa	Total Lebanon
<u>Milk:</u>					
Cow milk	7,210	6,804	5,271	4,668	23,953
Sheep milk	868	229	432	3,066	4,595
Goat milk	1,210	2,187	2,076	3,395	8,868
<i>Total milk</i>	<i>9,288</i>	<i>9,220</i>	<i>7,779</i>	<i>11,129</i>	<i>37,416</i>
<u>Meats:</u>					
Beef	1,648	861	2,614	1,674	6,797
Mutton	1,079	681	955	4,991	7,706
Goat meat	1,691	1,455	3,042	4,243	10,431
Offals	323	209	360	561	1,453
Poultry meat	6,681	15,530	2,059	14,532	38,802
Pork	35	1,066	51	1,182	2,334
Fish	1,500	3,275	2,320	140	7,235
<i>Total Meat</i>	<i>12,957</i>	<i>23,077</i>	<i>11,401</i>	<i>27,323</i>	<i>74,758</i>
EGGS	5,314	22,783	1,377	33,211	62,685
<u>Other Products:</u>					
Honey	113	299	164	85	661
Hides	51	33	57	36	177
Skins	168	107	156	363	794
Wool	212	136	162	771	1,281
Manures	1,245	1,416	1,426	1,570	5,657
<i>Total Other Products</i>	<i>1,789</i>	<i>1,991</i>	<i>1,965</i>	<i>2,825</i>	<i>8,570</i>
<i>Total All Animal Products</i>	<i>29,348</i>	<i>57,071</i>	<i>22,522</i>	<i>74,488</i>	<i>183,429</i>

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