

*Feasibility Study on Water Resources Development in
Rural Area in the
Kingdom of Morocco
Final Report
Volume VII Data Book*

Data Book EA Economic Analysis

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EA1 Detailed Input-Output Table for Morocco

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A DETAILED INPUT-OUTPUT TABLE FOR MOROCCO, 1990

by

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Produced as part of the research programme on Sustainable Development:
Environment, Resource Use, Trade and Technology

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RÉSUMÉ

Ce document décrit l'élaboration d'un tableau entrées/sorties de l'économie du Maroc. Basé sur une combinaison provenant d'un tableau plus général établi par le gouvernement marocain et sur des données détaillées issues de sources officielles, le tableau se réfère à l'année 1990 et montre les interactions se produisant dans 133 domaines répartis entre les secteurs primaires, industriels et des services. Ce tableau sera l'élément essentiel d'une matrice de comptabilité sociale (MCS) détaillée et actuellement en cours d'élaboration dans le cadre de ce programme de travail. Finalement, la MCS sera intégrée dans un modèle d'équilibre général, utilisé conjointement par le Centre de Développement, le gouvernement marocain et la Banque mondiale, pour l'analyse des politiques relatives aux échanges et aux ressources. Ce document présente le tableau dans son intégralité et fournit quelques estimations préliminaires des multiplicateurs qui éclairent les liens entre l'agriculture marocaine et le reste de l'économie.

SUMMARY

This paper reports on the construction of an Input-Output table for the economy of Morocco. The table is calibrated to the year 1990 and details the interactions between 133 primary, manufacturing, and service sectors, relying on a combination of a more aggregate table estimated by the Moroccan government and detailed data from official sources. This table will form the core of a detailed social accounting matrix (SAM) currently under construction as part of the same work programme. Ultimately, the SAM will be incorporated into a general equilibrium model, to be used cooperatively by the Development Centre, the Moroccan government, and the World Bank for trade and resource policy analysis. This report describes in detail the construction of the Input-Output table, presents the table in its entirety, and provides some preliminary multiplier estimates elucidating the links between Moroccan agriculture and the rest of the economy.

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PREFACE

This Technical Paper, part of the research programme on "Sustainable Development: Environment, Resource Use, Technology, and Trade," presents a detailed Input-Output table for Morocco estimated for the year 1990.

Morocco is one of a large number of countries facing the possibility that water scarcity will attenuate their economic development within a few decades. In order to avert this possibility, a better understanding of the policies and economic incentives governing this essential renewable resource is necessary. Patterns of water use generally evolve as the product of complex interactions between private needs and policies towards agriculture, urban development, and external markets. In order to elucidate these linkages, a detailed general equilibrium model of the Moroccan economy is being constructed. The Input-Output table presented here represents the first and largest step toward calibrating this model for applied policy analysis.

This table represents a more detailed version of one already estimated by Moroccan economists in the Ministry of Industry, and the estimates of the former are fully consistent with those of the latter. In constructing the table, the authors have relied on the generous and timely co-operation of colleagues within the Moroccan Ministry of External Affairs and at the World Bank. This collaboration will continue throughout the design and calibration of the model, which will ultimately be used by all three institutions to analyse patterns of resource use in the country and their relationship to domestic and trade policies. Beyond immediate benefits of this trilateral cooperation to the participants, it is hoped that its example and results will be useful to other countries and institutions facing similar policy challenges.

Jean Borvin
President, Development Centre
November 1993

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I. INTRODUCTION

As part of its research theme on sustainable development, the Development Centre has initiated collaboration with the Moroccan Ministry of External Affairs and the World Bank to evaluate the economy-wide implications of trade and resource policies in that country. The specific contribution this research will make to this collaboration will take the form of an analytical facility, a detailed calibrated general equilibrium (CGE) model, of Morocco, which can form the basis of empirical policy studies by all three parties, individually and in concert. The first phase in this model development programme is database construction, and this report describes how a detailed 1990 Input-Output table for Morocco was constructed from a variety of official information sources. This table will be the central component of a social accounting matrix (SAM) for the country which is being constructed to calibrate the CGE model.

The 1990 Input-Output table details the intermediate deliveries, value added, and final demand of 133 Moroccan production activities. Particular emphasis was placed in disaggregating existing data for agriculture, and 23 such sectors are represented in the table. Also included are 102 other primary and manufacturing sectors and 8 service sectors. The table was constructed in a manner which renders it consistent with a 33-sector Input-Output table estimated for the same year by Moroccan Ministry of Industry and, when the former is aggregated, the two are essentially identical.

Section II of this report presents a detailed explanation of how the 133-sector table was constructed. This is followed in Section III by a listing of the table in its entirety, accompanied by some tables of share parameters which give an overview of Moroccan economic structure. Section IV presents a series of preliminary multiplier estimates to illustrate the immediate uses to which the table may be put, including a brief analysis of linkages between Moroccan agricultural and non-agricultural activities.

II. CONSTRUCTION OF THE 1990 INPUT-OUTPUT TABLE

This section details the steps and estimation conventions which were followed to construct the 133-sector Input-Output table, including references to all the data sources which were incorporated. The general approach to assembling data for the table was hierarchical. When direct estimates were available from official sources, these were incorporated first. The second category of estimates are updates of data from previous years. Finally, when data were missing or considered extremely unreliable, indirect estimation methods, such as share imputation and matrix balancing, were used. The use of these conventions is made explicit at each stage below.

The main source of information on Moroccan industry structure and linkages was a 1990 Input-Output table estimates by the Ministry of Industry.¹ This table was in turn based on a combination of contemporaneous official data and an interindustry table sampled directly in 1980 by the National Statistical Office.² The later table appears to have updated the 1980 one, combining 1990 final demand and value added data with the earlier intermediate table and using a matrix balancing procedure to produce a consistent table. Since these represent the most detailed official estimate of Input-Output accounts for a recent year, we have chosen to make our more detailed table consistent (by aggregation) with this one.

The 1990 Ministry of Industry table contains 32 sectors. These include 7 sectors covering agriculture (an aggregate), mining (Phosphates, Non Metal Mineral, Metal Mineral, Crude Petroleum Products), and energy (Refined Petroleum Products, Electricity and Water). These are followed by 18 industries (Food Industry, Other Food Industry, Beverages and Tobacco, Textiles, Clothing, Leather and Shoes, Wood, Paper, Quarrying, Metal Industry, Metal Products, Machinery, Transport equipment, Electronic Products, Precision Instruments, Chemicals, Rubber, Other Manufactures). Service activities are decomposed into 8 activities (Construction, Commerce, Transport Services, Communication, Banking, Insurance, Other Services, Public Administration).³

To disaggregate this table to 133 activities, we relied on a variety of official domestic and international data sources for direct estimates. In the case of international sources, we used only official data which were reported by the Moroccan government. A special effort was made in the disaggregation to detail agricultural activities, which in the two previous tables had been represented only by

one aggregate sector.⁴ The result is a group of 23 subsectors, whose disaggregation is described below.

A. Disaggregation of Agriculture

The following agricultural activities are detailed in the 133-sector Input-Output table:

1	Hard Wheat
2	Soft Wheat
3	Barley
4	Maize
5	Rice
6	Legumes
7	Sugar Beets
8	Sugar Cane
9	Oil Seeds
10	Raw Fiber
11	Vegetables
12	Alfalfa
13	Bersim
14	Citrus
15	Olives
16	Grapes
17	Dates
18	Almonds
19	Other Fruit
20	Other Agriculture
21	Livestock
22	Forestry
23	Fishing

These sectors aggregate consistently to the figures for Gross Output, Trade, Domestic Demand, and Value Added for the corresponding single agriculture sector in the Ministry of Industry table. Direct information was available for most of the final demand and value added components of the detailed agriculture sectors. This section describes how intermediate demands for the 23 sub-sectors was estimated.

For simplicity, it is useful to distinguish the 133 sectors of the IO table in two categories: 1. Agriculture (Ag, the first 23 sectors) and 2. Non-Agriculture (N-Ag, all remaining sectors). The data available in the Ministry of Industry IO table are (considering the column) total purchases of Ag from Ag (a scalar) and from N-Ag (a vector of 32 elements), and (considering the row) total deliveries of Ag to Ag (the

same scalar considered above) and deliveries of Ag to N-Ag. These data are clearly not sufficient to estimate the square (Ag x Ag) matrix of transactions within Agriculture and the two rectangular (Ag x N-Ag and N-Ag x Ag) matrices of transactions (deliveries and purchases) of agricultural sectors with the rest of the economy. We therefore relied upon, as an additional source of information, a special study commissioned from FAO by the Ministry of Agriculture.⁵ This study considers the evolution of intermediate consumption for selected agricultural categories for the years 1969, 1975, 1980, 1985.⁶ The relevant information and the estimation procedure we used are shown in the table below.

The first column contains the broad categories covered by the FAO study, and in the second column are estimates for intermediate consumption. The third and the fourth columns show the disaggregation of column 2 obtained using output shares for the 23 sectors of the last column.⁷ The fifth column represents updated intermediate demands estimated by using the shares of column 4 and the total value of 17,524 million Dh for agricultural output recorded in the Ministry of Industry table. The assumption underlying these estimates is that intermediate demand is proportional to gross output and that the composition of the more aggregate (FAO) intermediate demands has not changed significantly since 1985.

The next step was to disaggregate the values in column 5 (the total expenditures of Ag) among the Ag and N-Ag delivering sectors. The information contained in the FAO study treated delivering sectors at a relatively aggregated level, so it was necessary to use the basic data of the Ministry of Industry IO table. Production shares were again used to disaggregate the Ag sectors and then obtain agricultural intermediate consumption shares for the N-Ag sectors. The industrial sectors of the N-Ag group were further disaggregated from the original 18 to 96. To do this, output shares were used within each group. As an example, Table 2 below shows this procedure for the (Ministry of Industry table) Chemical sector.

Table 1
Agriculture Intermediate Demand
(Millions of current Dh)

FAO sectors	Intermed demand groups 1985	Interm demand 1985	Intermed shares 1985	Intermed demand 1992	1990 IO sectors
		907	0.079	1383	HardWheat
		837	0.082	1429	SoftWheat
		669	0.058	1020	Barley
		173	0.015	266	Maize
CEREALS	2716	2	0.000	3	Rice
LEGUMES	293	293	0.025	446	Legumes
		182	0.014	247	Sugar Beets
		40	0.003	61	SugarCane
OILSEEDS	24	24	0.002	38	OilSeeds
INDUSTRIAL CROPS	232	30	0.003	45	RawFibre
VEGETABLES	655	655	0.074	1305	Vegetables
		72	0.006	109	Alfalfa
FORAGE	109	37	0.003	57	Bersim
		314	0.027	479	Citrus
		188	0.016	284	Olive
		72	0.006	110	Grapes
		130	0.011	199	Dates
		251	0.022	383	Almonds
TREE CROPS	1048	96	0.008	145	OtherFruit
		28	0.002	42	OthAgri
LIVESTOCK	5541	5541	0.482	8422	Livestock
FORESTRY	0	0	0.000	0	Forestry
FISHING	671	671	0.058	1024	Fishing
TOTAL	11489	11489	1.000	17524	

Table 2
Agriculture Intermediate Demand - Delivering Sectors
(Millions of Dh)

Delivering Sector	Interm Demand	Production	Shares Group	Interm Demand	Final Shares
Basic Chemicals		8359.45	0.47	1302.53	0.07
FertilizPest		2809.57	0.16	457.77	0.02
Resins		834.72	0.05	130.06	0.01
Paint		1254.64	0.07	166.49	0.01
Pharmaceut		1967.09	0.11	306.50	0.02
Toiletry		1616.85	0.09	251.90	0.01
OtherChem		915.78	0.05	142.85	0.01
Total	2767.10	17758.90	1.00	2767.10	0.15

In the first column there are the 8 subsectors belonging to the group Chemicals, column 2 shows the total value of deliveries of Chemicals to Ag, columns 3 and 4 are the production values and shares for this group, and the last two columns represent the values and the shares of intermediate demands to these

sectors. By combining the estimates described in Table 1 and those of Table 2 (for the complete set of sectors), it was possible to obtain both the square matrix Ag x Ag and the rectangular matrix Ag x N-Ag. Deliveries of Ag to N-Ag were obtained by disaggregating the row vector of the original IO table using Ag output shares.

The final result we obtained applying the methodology just described was not fully satisfactory for a number of reasons. Firstly, the Ag x Ag matrix presented some unrealistic linkages⁸. Secondly, the Input-Output technology implied by the above approach is very homogeneous across the Ag sectors. To overcome these problems two corrections were applied. Firstly, unrealistic linkages (e.g. Sugar to Wheat) were eliminated in the Ag x Ag matrix and, using FAO estimates of the feed/seed ratio, diagonal elements were corrected for the principal crops.⁹ The second correction entailed modification of the Input-Output coefficients based on for the same agricultural activities in other countries. The best available information in terms of agriculture detail and comparability of technology, was found in IO tables estimated for Indonesia, Japan, and the United States.¹⁰ To make these tables comparable to the Moroccan IO table, it was necessary to construct a correspondence from each of the other three sectoring schemes. The simple average of three columns of Input-Output coefficients was then applied to Moroccan total intermediate expenditures for each of the 23 agricultural sectors.

B. Gross Output and Related Data Sources

This section describes the data sources and the estimation procedures applied to calculate Gross Output. Agricultural and non-agricultural sectors are considered separately. For gross production in Agriculture, basic data for quantities and producer prices were obtained from the official yearly survey of production and in a study conducted by the Ministry of Agriculture.¹¹ The first source reports data on areas, yield and quantities produced for all the crops in the new Input-Output table, the second document contains producer prices for Hard Wheat, Soft Wheat, Barley, Maize, Sugar Beets, Sugar Cane, Cotton (Raw Fibers) Oil Seeds. Since these data are not sufficient to estimate the production values for all 23 agricultural sub-sectors, it was necessary to obtain some additional information. In particular, prices for Vegetables, Fruits, Legumes and Forages are derived using farm gate prices from of a World Bank irrigation project and FAO price estimates.¹² Table 3 below shows how production values for agriculture were calculated.

Table 3
Production Data for Agriculture

	Area Ha	Production million QT	Yield Ton/Ha	Price Dh/QT	Production Million Dh
HardWheat	1250.00	16.17		269.00	4348.92
SoftWheat	1470.00	19.97		225.00	4493.70
Barley	2415.00	21.38		150.00	3206.40
Maize	376.00	4.36		191.00	832.00
Rice	1.00	0.03		330.00	10.89
Legumes	503.00	3.37		250.00	842.00
SugarBeets	84.00	29.84		25.20	751.87
SugarCane	15.00	10.18		18.20	185.48
OilSands	193.00	1.74		439.92	766.34
RawFibre	18.00	0.29		480.98	138.52
Vegetables	213.00	38.73		131.40	4826.85
Alfalfa	92.22	51.92	56.30	0.04	1.87
Berdm	39.75	26.87	67.60	0.04	0.97
Citrus	72.00	14.44		140.00	2021.60
Olives	368.00	6.00		200.00	1200.00
Grapes	58.00	2.92		200.00	484.00
Dates	22.00	1.20		700.00	840.00
Almonds	36.00	0.58		2800.00	1615.80
OtherFruit	58.00	4.37		140.00	611.80
OthAgri	118.00	0.78		178.00	133.53

For the Fishery sector, production data were taken from the 1992 Statistical Yearbook.¹³ The production values for Livestock and Forestry are estimated as the difference between total production of Agriculture (a value given by the Ministry of Industry IO table) and the sum of Fishery and Crops production. This residual value was then allocated among the two remaining sectors according to output shares calculated from the most recent figures available in the Moroccan National Accounts.¹⁴

The current estimates of gross production by the N-Ag sectors should be distinguished among between Industrial sectors, Mining and Energy sectors, and Service sectors. The main problem in calculating gross output for the Industrial sectors was to reconcile the disaggregate data (96 sectors) with that in the Ministry of Industry IO table (18 sectors). Furthermore, while estimates of informal production were available at an aggregate level and were included in the original IO table, there were no such data at the more disaggregate level. The informal activity estimates are derived from a study conducted by the *Direction de la Statistique* for the year 1988.¹⁵ This study covers the urban informal activities of the Industrial sectors, Commerce and Services. The other sectors, mainly primary sectors and those linked to Public Administration, are excluded. It is interesting to note here that, in terms of production, the whole informal sector counted for 11.5 per cent of GDP for the year

1988.¹⁶ Since, at the 96-sector level of detail, the only data available were official figures of gross production,¹⁷ the solution adopted for estimation of informal production was to assume that subsectors belonging to each of the 18 aggregate groups had informal activity proportional to their gross outputs, summing to the informal estimate for the whole subgroup. This assumption maintains consistency with the more aggregate table. The methodology used is illustrated in Table 4.

Table 4
Production Data for Industrial Sectors
(millions of Dh)

	1	2	3	4	5	6
	IO table	Official	AdjRatio	ImplinL	Informal	diff%
	Production	Production	[1/2]	[1-2]	Production	[5/1]
M&Conf	15574.4	11969.3	1.30	3805.1	1110.7	7.13
FoodProc	14271.1	14213.8	1.00	57.3	193.2	1.35
BevTobac	7739.5	5960.8	1.29	1758.7	0.0	
Textiles	14206.3	9499.1	1.50	4707.2	560.3	3.94
Clothes	8903.8	5792.1	1.54	3111.5	4636.7	52.08
LeatherShoes	13615.8	2186.5	6.20	11420.3	1665.2	12.23
Wood	4205.8	2803.4	1.50	1402.4	2577.0	61.27
Paper	6283.6	4410.8	1.42	1872.8	107.1	1.70
QuarrMin	12156.8	6917.1	1.76	5239.7	904.8	7.44
MetInd	3868.8	2517.8	1.54	1352.0	0.0	
MetObj	8287.8	6488.6	1.51	2799.2	1692.7	20.42
Equipm	1903.9	1567.7	1.21	336.2	0.0	
TranspMat	4981.8	4229.9	1.18	751.9	0.0	
ElectMat	4867.3	4210.9	1.16	656.4	0.0	
Preclnet	112.0	200.3	0.56	-88.3	0.0	
Chemicals	17758.9	16555.4	1.07	1203.5	188.4	1.06
Rubber	3008.6	2445.7	1.23	562.8	61.5	2.04
OtherInd	875.3	85.8	7.87	589.5	461.3	68.31
TOTAL	142422.2	101083.8		41338.4	14157.0	9.94

The first column contains values from the Ministry of Industry table. The second column lists aggregate official production values calculated from the 96-sector data.¹⁸ Column 3 gives the estimated informal sector imputation factors, followed in the fourth column by the implied level of informal activity. Column 5 gives the available official estimates of the informal sector. These data are taken from the study on the urban informal sector production for the year 1988.¹⁹ The values shown in the table are updated to the year 1990 using official quantity and price indices for the industrial sectors.²⁰ Column 6 is the percentage difference between the values in column 1 and those of column 5. The final figures contained in the disaggregate Input-Output table are obtained by multiplying the 96-sector official production values by the adjustment ratios in column 3.

Table 5
Production Data for Services
(millions of Dh)

	1	3	5
	IO table Production	AdjRatio [(1-5)]	Informal Production
Construction	29315.1	1	0
Commerce	37803.1	1.49	12488.7
Transport Ser	14646.8	1.25	2884.1
Communicat	3945.8	1	0
Banking	12636	1	0
Insurance	1811.9	1	0
Other Services	66555.9	1.11	8547.8
Total	166814.6		22021.4

Finally, for sectors 24 - 29 (Mining and Energy) and 126 - 133 (Services), data were obtained from the Ministry of Industry table.²¹ Table 5 contains the same information as Table 3 with two differences. First, columns 2, 4 and 6 are omitted since the data needed to calculate them were not available. Secondly, the adjustment ratio is obtained in a different way.

C. International Trade

All the trade data used for constructing the disaggregate table come from trade statistics of the Ministry of Foreign Trade of Morocco.²² The data were contained in text files and are organized by product. The available information includes:

- values (in local currency, FOB for imports, CIF for exports)
- country of origin/destination
- import tariffs
- import tariff exemptions

The Ministry of Foreign Trade arranged these data following the same scheme as the Foreign Trade Yearbook published by the *Office des Changes*, so that there is exact correspondence between the two sources. This scheme consists of a six-digit product classification with 89 merchandise groups.²³

The trade data were first aggregated into three regions: EEC, Europe non-EEC (ROEU), Rest of the World (ROW). Then they were further aggregated into

the Ag/N-Ag sectoring scheme described above. The first two regional groups were constituted as follows:

EEC

- 1 France
- 2 U.E.B.L (Belgium and Luxembourg)
- 3 Netherlands
- 4 Germany (RFA)
- 5 Italy
- 6 United Kingdom
- 7 Ireland
- 8 Denmark
- 9 Portugal
- 10 Spain
- 11 Greece

Rest of Europe - Non-EEC

- 1 Iceland
- 2 Norway
- 3 Sweden
- 4 Finland
- 5 Switzerland
- 6 Austria
- 7 Gibraltar
- 8 Malta
- 9 Yugoslavia
- 10 Turkey
- 11 Andorra
- 12 USSR
- 13 Germany (RDA)
- 14 Poland
- 15 Czechoslovakia
- 16 Hungary
- 17 Romania
- 18 Bulgaria
- 19 Albania

N.B. EEC is composed of 11 countries only, because Belgium and Luxembourg are aggregated.

West Germany is considered separately from East Germany which is part of the ROEU region.

USSR is part of ROEU.

The raw trade data were classified into almost 8,000 different products, and a correspondence between the six digit product classification and the new table's sectoring scheme was devised to aggregate them. For the N-Ag sectors, this function was already available in a correspondence table prepared by the Moroccan sources.²⁴

For agriculture, it was necessary to build an original correspondence between products and sectors. The first step was to find a correspondence between the broad category (01) Agriculture, Livestock, Forestry and Fishing (used in the National Accounts and Input-Output table by the Moroccan sources) and the detailed traded products. Within this category, it was then necessary to allocate the various traded goods in the 23 described sectors. Each product is identified by a 6 digit number: the first 2 digits correspond to a large group (among 99 groups of products), the next 2 digits correspond to a smaller sub-group and the last 2 identify the single product. For example 03 02 30 is *anchois sales* and 03 correspond to *poisson, crustaces et mollusques*, 02 to processed fish and 30 to the type of fish. Of the 99 large groups of products, only 13 contain products belonging to the category "01" and therefore to one of the 23 sub-sectors in the new table. The aggregation rules for each of these groups are shown in Table 6.

The first column in the Table 6 refers to the 23 sectors in the new Input-Output table, the second column is the name of the sector, the third column refers to the group numbering in the *Office des Changes* documentation, the fourth column is the name of those groups (in French), the fifth column contains notes on the aggregation rules.

The correspondence described above was used to aggregate imports, export, and tariff data. The latter were calculated by applying the basic tariff rate against c.i.f. import values and subtracting exemptions.²⁵ These Tariff collections have been further adjusted so that they are consistent with those in the Ministry of Industry Input-Output table. This correction consisted simply of calculating an adjustment ratio at the aggregate level and applying this to the figures of every sector (the methodology is similar to that of the informal sector considered above).

Service sectors are not considered in the statistics of the *Office des Changes* (see footnote 21) and the trade and tariffs data for them are taken from the Ministry of Trade table.

Table 6
Aggregation Scheme for Trade Data - Agriculture

IO Sector	Moroccan Trade Group		Detailed Product Category		
1	hard wheat	10	céréales	100151	
2	soft wheat	10	céréales	100111	
				100119	
3	Barley	10	céréales	100300-100399	
4	Maize	10	céréales	100500-100599	
5	legumes	07	légumes, plantes, racines, etc	70120	peas
				70127	
				70129	
				70131	beans
				70132	
				70134	
				70138	
				70511-70519	seeds
				70525-70599	
				70600-70699	
				78000-78099	
6	sugar beets	12	oléagineux, plant ind. etc	120311	
				120319	
7	sugar cane		non échangeable		
8	oil seeds	12	oléagineux, plant ind. etc	120100-120199	
9	cotton raw fib		non échangeable		
10	vegetables	07	légumes, plantes, racines, etc	70100-70199 ²⁵	
				70400-70499	
		12	oléagineux, plant ind. etc	120331-120399	
11	alfalfa		non échangeable		
12	barmin		non échangeable		
13	other fourage	07	légumes, plantes, racines, etc	70521	
		12	oléagineux, plant ind. etc	120330	
				120805	
				120809	
				120835	
14	citrus fruits	08	fruits, cornest, écorces...	80200-80299	
15	olives	07	légumes, plantes, racines, etc	70175	
				70179	
16	grapes	08	fruits, cornest, écorces...	80400-80499	
17	dates	08	fruits, cornest, écorces...	80110	
18	almond	08	fruits, cornest, écorces...	80508	
				80518	
19	other fruit	08	fruits, cornest, écorces...	80111-80199	
				80300-80399	
				80519-80599	
				80600-80999	
				81100-81199	
20	other agr	05	autres prod origine anim.	50310	hair
				50390	hair
				51000	ivory
		06	plantes vivants, prod florif.	60000-69999	
		09	café, thé, épices	90000-99999	
			Except processed prod		
		10	céréales	100600-100630	
				100700-100799	
		12	oléagineux, plant ind. etc	120341	
				120600-120799	
				120650	
				120899	
		14	mat à tresser, à tisser etc	140000-149999	
21	livestock	01	animaux vivants		eggs
		04	lait, prod lait., oeuf, miel	40510	eggs
				40531	honey
				40810	honey
				40890	sperm
		05	autres prod origine anim.	51540	
22	forestry	13	mat. vég. p. bois, liège, gomm.	130000-130210	
				130212-130214	
				130216-130290	
				130292-130330	
				130332-139999	
		44	bois	440150	
				440200	
				440331	
				440349	
23	fishing	03	poissons crust. mollus.	30000-39999	
			Except processed prod		
		05	autres prod origine anim.	51210	coral

D. Investment by Origin

The basic source for data on investment is the table of the National Accounts, reproduced below.²⁷

Table 7
Formation brute de capital fixe par nature (1990)
(million Dh)

Matériel et outillage	24302
Bâtiment	15542.6
Travaux publics	9599.6
Aménagement et plantations	896.4
Total	682.2
Total	51004.7

In constructing its 1990 Input-Output table, the Moroccan Ministry of Industry used these values in the following way: First, values for Plantations and Livestock are aggregated and allocated to Agriculture. Second, the values concerning Construction (*Bâtiment and Travaux Publics*) are again aggregated and allocated to the corresponding sector. Finally, the remaining 24,302 million Dhs are disaggregated among the 18 Industrial sectors. The disaggregation takes place in 2 steps. First, imports of capital goods are distinguished by sector. Second, the residual value is supposed to be supplied by domestic production. Relevant data on domestic production of capital goods are taken from the official yearly survey of the industrial sector.²⁸ For the new Input-Output table, this procedure was replicated at the 96-sector level, and Table 8 below synthesizes the result at the aggregate level.

Columns 1, 2 and 3 contain values calculated from files of the Ministry of Foreign Trade. In particular, column 3 represents the actual market price of imported capital goods. To obtain these values, it was necessary to apply the correspondence, from the six digit classification to the sectoring scheme of the new table, to the capital goods subset of imports.²⁹ This subset was obtained by using another mapping function based on the following classification of traded goods: 1. *Alimentation, Boisson et Tabac*, 2. *Energie et Lubrifiants*, 3. *Matières Premières*, 4. *Produits Manufacturés* distinguished in 4a. *Demi-Products*, 4b. *Biens d'Équipement* and 4c. *Produits Finis de Consommation*.³⁰

Table 8
Investment: Aggregated Values - Industrial sectors
(millions of Dh)

	1	2	3	4	5		6
	Values of Imports	Custom Duties	Total [1+2]	Investment (IO tab)	Implied Dom Supply [4-3]	Dom Supply	Pere Dom Supply [5/3]
MilkConf				0.00			
FoodProc				0.00			
BarTobac	1.10	0.16	1.26	1.90	0.64		93.90
Textiles	76.70	1.59	78.29	109.10	30.81		28.24
Clothes	0.41	0.13	0.55	0.70	0.15		22.09
LeatherShoes	0.17	0.04	0.21	0.30	0.09		30.87
Wood	0.46	0.10	0.56	292.80	292.24		99.81
Paper	0.10	0.02	0.12	0.20	0.08		39.78
QuarrMin	57.27	12.16	69.42	98.10	28.68		29.23
MetIndnd	189.24	27.98	217.22	361.10	143.88		39.84
MetObj	367.81	67.10	424.91	601.20	176.29		29.32
Equipm	6081.01	366.73	6447.74	7931.50	1483.75		18.71
TranspMat	4538.67	434.14	4972.81	8452.20	1479.39		22.93
ElectMat	2516.78	373.19	2895.96	4923.00	2027.04		41.17
Procinat	1243.75	215.80	1459.35	1958.70	499.35		25.49
Chemicals				0.00			
Rubber	164.29	54.02	218.30	1087.80	869.30		79.93
OtherInd	7.35	2.79	10.13	483.40	473.27		97.90
TOTAL	15235.11	1661.73	16796.84	24301.80	7504.98		30.88

Column 4 is the reproduction of the vector of Investment demand in the Ministry of Industry table. Columns 5 and 6 are self explanatory. Note that, on average, less than 31 per cent of the value of Moroccan capital goods is supplied domestically. The disaggregation of the data in column 3 does not pose a serious problem since trade data are sufficiently detailed. For the residual domestic supply, the data in column 5 were allocated to sub-sectors according to output shares.

For Agriculture, Investment was allocated to Livestock according to the value in the National accounts (*Bétail* 662.2) and to Other agriculture and Forestry according to output shares. The remaining values (*Travaux publics and Bâtiment*) were allocated to Construction.

E. Variation of Stocks

Estimation of the Variation of stocks is based on a variety of sources of information. For the Industrial sectors, basic data are found in the yearly survey.³¹ For Agriculture, estimates are given by the *Office National Interprofessionnel des Céréales et des Légumineuses* (O.N.I.C.L.).³² For Mining and the remaining

sectors, relevant information is available from the Statistical Yearbook and the Input-Output study of the Ministry of Industry³³.

The estimates of variation of stocks for Agriculture are based on the same assumptions employed by the Ministry of Industry in constructing their table, namely that the Cereals and Legumes are the only sectors that keep stocks. The total Variation of stocks in Agriculture is then allocated among the Cereals and Legumes subsectors according to output shares.

For the Industrial sectors, the variation of stocks was estimated at the detailed level, again applying a method employed by the Ministry of Industry, i.e. subtracting sales from production. This did not, however, result in estimates consistent with the data contained in the 32-sector Input-Output table. In order to reconcile the two different estimates, the detailed subsector estimates were normalized using the 18-sector values as control totals. For the informal sector, it was assumed that no stocks are kept. For the remaining primary and service sectors, data on Variation of stocks were taken directly from the Ministry of Industry table.

F. Trade Margins, Private Consumption and Government Demand

The Moroccan Ministry of Industry estimated trade margins for its Input-Output table from value added in the Commerce sector. For formal activities, value added was calculated from statistics of the *Direction de la Statistique* and then corrected to take into account informal activity by using estimates of a *Direction de la Statistique* study.³⁴ For the new table, gross output shares were used to disaggregate the margin values in the Ministry of Industry Table.

Once Production, Imports, Custom Duties, Commercial Margins and Investment, Exports, Variation of Stocks are estimated, a residual value can be computed as the sum of Private Consumption, Government Consumption and Intermediate Consumption. In all Moroccan Input-Output tables, Government Consumption is not sectorally disaggregated, and in the absence of additional information the new table follows the same convention. Subtracting this from the residual value gives the sum of Private Consumption and Intermediate Consumption. Detailed data on Private Consumption are available from two sources: a survey on Household Consumption³⁵ and detailed official data for imports of consumer goods. Unfortunately, the information in these sources is not quite

sufficient to estimate sectorally detailed Private Consumption.³⁶ For both Private Consumption and total Intermediate Demand, different methods were applied to the Agricultural sectors, the Industrial sectors and the remaining sectors.

For Agriculture, data from the Household survey are quite detailed and allow Private Consumption and Intermediates to be estimated separately. The Survey on household consumption is the second extensive attempt of Moroccan authorities to measure domestic living standards, the first was undertaken in 1984-85. It contains data on rural and urban consumption patterns, size of households, head of household employment and other factors affecting consumption. The following expenditure categories are considered in detail: 1. Food and Beverages, 2. Clothes, 3. Housing and Energy, 4. Durable Goods, 5. Health Care, 6. Transport and Communication, 7. Education and Leisure, 8. Other Expenditures. To aggregate the products considered in the survey in a manner consistent with the sectoring scheme, it was necessary to build another correspondence. The estimates for private consumption and intermediate demand that are obtained in this way, however, are not consistent with the values contained in the Input-Output table. To reconcile the two, the RAS technique was used with control totals given by the sum of the values of intermediates demand and private consumption.³⁷

For the Industrial sectors, the 18-sector values for Intermediates and Private Consumption were used as control totals and further disaggregation was undertaken using the shares from the residual values as subsectoral weights and the shares between Intermediates and Consumption as weights to discriminate between these. For the remaining sectors - Mining, Energy, Services, and Government Services - the data were taken directly from the Ministry of Industry table.

G. Value Added

The main source of Value Added data was the Ministry of Industry Input-Output table. The Value Added component of this table is reproduced in Table 9 in its original format.³⁸

Table 9
Composantes de la valeur ajoutée
(million Dh)

	VA	SAL	IMPOTS	EBE
<i>Agriculture</i>	35870.1	9823.7	1780.0	24466.4
<i>Phosphates</i>	4484.9	1489.3	310.0	2695.6
<i>Autres Minér Non Mét</i>	203.8	67.5	14.0	122.1
<i>Minéraux Métall.</i>	656.9	478.1	40.2	138.7
<i>Combust Sol et Pét Brut</i>	304.0	202.6	4.3	97.1
<i>Pétrole Raffiné</i>	6678.6	179.5	164.4	6314.7
<i>Électricité et Eau</i>	6086.3	1562.4	1217.3	3206.6
<i>Industries Alimentaires</i>	1696.3	913.0	309.0	379.3
<i>Autres Ind Alimentaires</i>	3234.9	1851.3	614.4	769.2
<i>Boissons Et Tabacs</i>	5324.9	619.2	4009.0	702.7
<i>Textiles et Bonneterie</i>	2905.0	1306.7	429.7	1168.6
<i>Habillement</i>	3770.8	2255.4	173.3	1342.2
<i>Cuir et chaussures</i>	7401.5	4267.0	1242.1	1902.5
<i>Articles en bois</i>	1667.7	628.7	333.8	527.2
<i>Papier et carton</i>	1312.3	612.3	249.4	450.6
<i>Matériaux de carrière</i>	3272.7	829.4	948.4	1394.9
<i>Industrie métallique</i>	761.9	489.6	179.8	92.5
<i>Ouvrages en métaux</i>	1689.1	666.1	324.3	678.7
<i>Construction de machines</i>	533.6	318.9	98.8	115.9
<i>Matériel de transport</i>	1177.1	479.7	378.5	317.8
<i>Matériel électrique</i>	1108.8	602.4	249.8	357.4
<i>Instruments de précision</i>	58.3	32.1	13.0	13.2
<i>Chimie para-chimie</i>	3441.9	1611.7	673.7	1156.5
<i>Plastique et caoutchouc</i>	881.5	375.3	216.3	289.9
<i>Autres industries</i>	155.5	88.1	18.8	48.5
<i>Bâtiment, Travaux Publics</i>	11489.6	7391.7	2180.9	1937.0
<i>Commerce</i>	24095.0	9536.3	7473.8	7084.9
<i>Transport</i>	10553.4	5276.7	1899.6	3377.1
<i>Communication</i>	3574.8	1107.0	764.6	1683.2
<i>Institution De crédit</i>	6896.6	2895.7	292.2	3708.6
<i>Assurances</i>	33.6	253.2	37.6	-257.3
<i>Autres Serv Marchands</i>	25199.3	13999.6	6108.9	5090.8
<i>Serv n. march des admin</i>	25341.0	25279.0	14.0	48.0
TOTAL	201761.2	97497.2	32773.7	71480.5

The values of this table are taken from the Moroccan National Accounts published by the *Direction de la Statistique*. Due to lack of detailed data on production subsidies and social costs, these were included in Indirect Taxes and Wages, respectively.³⁹ Various adjustments were made to the values of this table. Since in the new Input-Output table Agriculture is composed by 23 sub-sectors, it was necessary to disaggregate the values in the above table. Value added was allocated to the agricultural subsectors according to output shares. This was then

decomposed into Labor and Capital payments and Taxes according to their respective shares for total Agriculture. But this was not entirely satisfactory, since it implied the same factor intensities throughout agriculture. Once again we overcame this inconvenience by borrowing data from other countries. In practice we adopted for Morocco a simple average of factors payments and indirect taxes shares of US, Japan and Indonesia. To correct the excessive capital intense technology we ended up with, we normalized that simple average using the Moroccan shares of aggregate agriculture. The data we used and the method applied are shown in the following table.

Table 10
Value Added Estimation - Agriculture

	Averages			Normal Averages			Final Values (Millions Dh)			
	Labor	Capital	Tax	Labor	Capital	Tax	Val Add	Labor	Capital	Tax
HardWheat	0.10	0.87	0.04	0.15	0.81	0.04	3035.1	457.5	2444.4	133.1
SoftWheat	0.10	0.87	0.04	0.15	0.81	0.04	3136.1	472.8	2626.8	137.6
Barley	0.10	0.87	0.04	0.15	0.81	0.04	2237.7	337.3	1802.2	96.1
Maize	0.10	0.87	0.04	0.15	0.81	0.04	580.6	87.5	467.8	25.5
Rice	0.12	0.85	0.03	0.19	0.78	0.03	7.6	1.5	5.9	0.2
Legumes	0.11	0.87	0.02	0.18	0.80	0.02	587.6	104.2	470.0	13.5
SugarBeets	0.24	0.58	0.19	0.33	0.47	0.19	524.7	175.1	247.5	102.1
SugarCane	0.24	0.58	0.19	0.33	0.47	0.19	129.4	43.2	61.1	25.2
OilSeeds	0.15	0.84	0.01	0.23	0.76	0.02	534.8	121.8	405.0	8.3
RawFibre	0.27	0.70	0.03	0.39	0.59	0.03	96.7	37.3	56.7	2.7
Vegetables	0.11	0.87	0.02	0.18	0.80	0.02	3368.6	597.1	2694.1	77.3
Ajaltia	0.06	0.91	0.03	0.10	0.87	0.04	1.3	0.1	1.1	0.0
Bersim	0.06	0.91	0.03	0.10	0.87	0.04	0.7	0.1	0.6	0.0
Citrus	0.17	0.81	0.02	0.26	0.71	0.03	1410.8	365.4	1008.7	36.8
Olives	0.17	0.81	0.02	0.26	0.71	0.03	837.6	216.9	596.7	21.9
Grapes	0.17	0.81	0.02	0.26	0.71	0.03	323.8	83.9	231.5	8.6
Dates	0.17	0.81	0.02	0.26	0.71	0.03	586.2	161.8	419.1	15.3
Almonds	0.16	0.83	0.02	0.23	0.74	0.03	1127.5	261.0	838.1	28.4
OtherFruit	0.16	0.82	0.02	0.25	0.73	0.02	427.0	106.3	310.7	10.0
OthAgri	0.31	0.67	0.03	0.43	0.55	0.03	93.2	39.9	50.8	2.5
Livestock	0.40	0.51	0.09	0.52	0.39	0.09	13581.9	7079.9	5307.0	1195.1
Forestry	0.33	0.62	0.05	0.48	0.49	0.05	724.0	330.3	355.9	37.8
Fishing	0.33	0.63	0.03	0.48	0.51	0.03	2517.2	1152.3	1281.6	83.4
Tot averages	0.18	0.78	0.04	0.26	0.69	0.05	36870.1	12222.8	21584.0	2063.3

Table 11
Value Added - Industrial Sectors

	VAdd	Lab	Tax+Cap	Adj VA	Adj LAB	Adj CAP
	Survey	Survey	ID tab			
<i>MilConf</i>	1887.3	828.9	882.3	0.85	1.10	0.58
<i>FoodProc</i>	3102.4	1972.0	1383.6	1.04	1.35	0.56
<i>BevTobac</i>	5206.9	498.3	4705.7	1.02	1.24	0.15
<i>Textiles</i>	2600.0	1338.0	1598.3	1.12	0.98	0.73
<i>Clothes</i>	1881.0	1212.7	1515.5	2.00	1.66	0.69
<i>LeatherShoes</i>	561.4	354.2	3144.8	13.18	12.02	0.61
<i>Wood</i>	651.2	304.5	861.0	2.59	2.71	0.61
<i>Paper</i>	1247.9	498.8	700.0	1.05	1.23	0.64
<i>QuarrMin</i>	2921.8	839.1	2343.3	1.12	1.11	0.60
<i>MetInd</i>	693.5	88.3	272.3	1.10	5.55	0.34
<i>MetObj</i>	1422.3	739.3	1003.0	1.17	0.90	0.66
<i>Equipm</i>	524.1	236.2	214.9	1.02	1.35	0.54
<i>TranspMet</i>	1151.2	453.0	897.3	1.02	1.04	0.46
<i>ElectMet</i>	1083.3	489.8	607.2	1.02	1.03	0.59
<i>PrechMet</i>	57.3	28.5	26.2	1.02	1.13	0.50
<i>Chemicals</i>	3316.6	1283.3	1630.2	1.04	1.26	0.63
<i>Rubber</i>	830.7	322.2	486.2	1.04	1.16	0.66
<i>OtherInd</i>	31.6	19.7	87.3	4.93	4.47	0.72

For the Industrial sectors, the adjustment rules are shown in Table 11 above. The starting point is Table 9. The data contained in columns 1 and 2 of Table 10 are derived from electronic files of the Ministry of Industry⁴⁰ and they reproduce the results of the official yearly industrial survey. Column 3 is the simple sum of the values of Indirect Taxes and Capital payments from Table 9. From these data the adjustment ratios of columns 4,5 and 6 were calculated, which were then applied at the 96-sector disaggregate level. Column 4, in Table 11, is the ratio of column 1 to the relevant data from column 1 in Table 9 and is used to reconcile Value Added from the Industrial Survey with the control totals in the Ministry of Industry table. Column 5 is calculated similarly and Column 6 considers the proportion that should be attributed to Capital of the residual value in Column 3. In fact this proportion is calculated as the ratio of Column 3 to Column EBE in Table 9. The values for Indirect taxes are calculated as a residual. For the remaining sectors (Mining and Energy and Services), the value added estimates and its decomposition are taken from the Ministry of Industry Input-Output table.

III. THE 1990 MOROCCAN INPUT-OUTPUT TABLE

Table 12 below presents the complete Input-Output table, the construction of which was described in the previous section. The units of account are millions of 1990 Moroccan Dirhams. Accounting groups for the table are described in greater detail in annex 1 of this report. The table itself is available on electronic media (diskette) by written application to the OECD Development Centre.

Table 12: Input-output Table for Morocco, 1990

	(Millions of Moroccan Dirhams)														
	HardWood	SoftWood	Berly	Males	Fee	Legumes	SuperStem	SuperCore	OilSeeds	RawFibre	Vegetables	Hops	Berlin	Olives	Others
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 HardWood	74.84	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2 SoftWood	.00	81.44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3 Berly	.00	.00	24.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4 Maize	.00	.00	.00	1.66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5 Rice	.00	.00	.00	.00	2.46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6 Legumes	.00	.00	.00	.00	.00	3.28	.01	.00	.00	.00	25.92	.00	.00	.00	.00
7 SugarBeets	.00	.00	.00	.00	.00	.00	.00	41.06	.00	.00	.00	.00	.00	.00	.00
8 SugarCane	.00	.00	.00	.00	.00	.00	.00	.00	10.23	.00	.00	.00	.00	.00	.00
9 OilSeeds	.00	.00	.00	.00	.00	.00	.00	.00	.00	36.88	.00	.00	.00	.00	.00
10 RawFibre	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.67	.00	.00	.00	.00
11 Vegetables	.00	.00	.00	.00	.00	25.54	.00	.00	.00	.00	202.23	.00	.00	.00	.00
12 Hops	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13 Berlin	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	23.29	.00
14 Olives	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.88
15 Grapes	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16 Dates	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17 Almonds	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18 OtherFruit	.00	.00	.00	.00	.00	1.27	1.70	.42	.00	.00	.00	.00	.00	.00	.00
19 DAgric	9.44	9.65	7.19	1.90	.01	2.47	.86	.21	.00	.00	15.45	.00	.00	8.78	4.00
20 Livestock	186.39	184.25	137.35	36.31	.04	17.14	5.10	1.25	11.84	1.59	93.22	.08	.09	35.94	21.27
21 Forestry	2.38	2.43	1.81	.48	.00	.83	.33	.08	.07	.00	2.81	.00	.00	1.55	.80
22 Fishing	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
23 Poultry	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24 NonMeat	1.58	1.59	1.19	.31	.00	.18	.58	.15	.06	.03	1.01	.00	.00	.23	.13
25 Meat	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26 CrudePetrol	28.94	28.57	22.04	5.83	.00	8.88	.00	.00	2.38	2.78	45.17	.08	.03	25.51	12.14
27 RefinPetrol	113.55	118.01	85.48	22.88	.08	18.89	18.14	4.47	21.81	1.56	101.88	.08	.03	55.37	54.55
28 Electricity	18.09	18.38	12.21	3.23	.04	4.51	2.75	2.41	2.82	1.33	24.88	.08	.02	11.51	5.81
29 Milling	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
30 Refining	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31 RefinSugar	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
32 Candy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
33 PrefrillVeg	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
34 Meat Pres	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35 ProdDairy	1.52	1.57	1.17	.31	.00	.18	.58	.09	1.22	.04	.84	.04	.01	.99	.58
36 MeatVegFr	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37 ProdFood	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38 OtherFood	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39 Animal Feed	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40 Brewing	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00
41 Wine	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
42 Spirits	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43 NonAlcov	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
44 Tobacco	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00
45 W&AAlinFb	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
46 Cotton	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47 Silk	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48 OtherYacik	1.81	1.34	1.06	.25	.01	.74	.38	.08	.07	.00	4.04	.00	.00	1.88	1.11
49 HabesMans	1.82	1.04	.78	.21	.01	3.23	.27	.07	.08	.00	17.55	.01	.00	5.55	3.25
50 Carpets	.75	.77	.57	.16	.00	.43	.21	.06	.04	.00	2.33	.00	.00	1.08	.84
51 Hosiery	2.88	2.85	2.20	.58	.02	1.64	.80	.20	.15	.00	8.82	.00	.00	4.14	2.45
52 Suits	.10	.11	.08	.02	.00	.05	.02	.00	.00	.00	.25	.00	.00	.13	.08
53 Trousers	.30	.32	.31	.18	.00	.38	.15	.04	.00	.00	2.12	.00	.00	.38	.50
54 TailorGuns	.10	.10	.08	.02	.00	.06	.02	.00	.00	.00	.27	.00	.00	.13	.07
55 Tanning	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
56 Leth&Subst	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
57 Shoes	12.07	12.33	9.19	2.43	.00	1.15	.98	.02	.00	.00	.82	.00	.00	.38	.23
58 Lumber	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
59 VesserPant	.41	.42	.31	.08	.00	.97	.09	.02	.30	.00	5.27	.00	.00	2.45	1.45
60 WoodFrmB	.32	.32	.25	.06	.00	.75	.07	.02	.23	.00	4.12	.00	.00	1.92	1.13
61 WoodPeak	.00	.00	.00	.00	.00	.27	.00	.00	.00	.00	1.44	.00	.00	10.72	11.57
62 Furniture	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
63 OtherWood	.20	.20	.15	.04	.00	.96	.08	.01	.05	.01	.33	.00	.00	.10	.08
64 PaperNewsp	4.23	4.32	3.22	.85	.00	6.80	.68	.17	1.17	.00	37.51	.00	.00	17.43	10.22
65 PaperPr	4.71	4.81	3.58	.95	.00	9.04	.75	.18	1.38	.00	48.17	.00	.00	24.35	20.28
66 Printing	.80	.81	.48	.12	.00	.19	.75	.18	.38	.00	1.02	.00	.00	.33	.20
67 Carriages	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
68 Glass	.00	.00	.00	.00	.00	.00	.00	.00	.00	.81	.00	.00	.00	.00	.00
69 Stone	8.00	5.11	3.81	1.01	.00	.65	.88	.22	.08	.00	3.55	.00	.00	1.86	1.16
70 ConstPlet	.00	.00	.00	.00	.00	.00	.13	.03	.00	.00	.00	.00	.00	.00	.00
71 Clb Agglom	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
72 Marble	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
73 Abrasives	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
74 Iron&Steel	.18	.18	.14	.04	.00	.02	.04	.01	.05	.00	.08	.00	.00	.04	.02

77 MotorMet	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
77 SteelCutlery	.73	.74	.55	.18	.00	.11	.02	.01	.18	.00	.59	.00	.00	.27	.18
78 MetalFurn	.84	.84	.84	.17	.00	.13	.03	.01	.30	.00	.68	.00	.00	.32	.18
79 Parged Tools	6.91	7.06	5.28	1.38	.00	1.04	.21	.05	1.87	.00	5.62	.00	.00	2.61	1.54
80 MetalPnk	3.83	3.91	2.91	.77	.00	.59	.13	.03	.83	.00	3.20	.00	.00	1.46	.86
81 Wire	5.83	5.86	4.44	1.17	.00	.89	.20	.05	1.42	.01	4.63	.00	.00	2.21	1.30
82 PipedTub	.86	.88	.66	.17	.00	.13	.03	.01	.31	.00	.70	.00	.00	.33	.19
83 HomeUseHl	3.05	3.14	2.34	.62	.00	.78	.44	.11	.90	.08	4.29	.00	.00	1.39	.82
84 CrMetalPr	.56	.57	.43	.11	.00	.08	.02	.00	.14	.00	.46	.00	.00	.21	.13
85 MotorTurb	1.11	1.13	.84	.22	.00	.12	.20	.05	.22	.00	.53	.00	.00	.29	.17
85 Appear	18.15	18.56	13.83	3.66	.00	2.82	3.83	.84	4.55	.53	15.31	.01	.01	5.33	3.15
87 MetWdMch	.59	.60	.45	.12	.00	.06	.11	.03	.11	.00	.30	.00	.00	.15	.09
88 MchCarrMch	1.50	1.63	1.14	.30	.00	.16	.27	.07	.29	.00	.85	.00	.00	.39	.23
88 SpecMch	.79	.81	.60	.18	.00	.05	.14	.04	.16	.00	.45	.00	.00	.21	.12
89 MachMch	11.55	12.14	8.95	2.58	.02	1.55	2.34	.58	2.48	.12	8.42	.00	.00	3.52	2.08
91 OtherMch	12.64	12.92	9.83	2.55	.02	1.32	2.30	.57	2.47	.00	7.15	.00	.00	3.32	1.87
92 PrivateVeh	1.14	1.17	.87	.23	.00	.20	.25	.06	.25	.03	1.09	.00	.00	.36	.21
93 TractorEq	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
94 Motorcycle	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
95 Freight Cars	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
95 ShipBuild	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
97 Aircraft	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
98 CrnTranEq	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
99 ElectCrGas	1.53	1.56	1.17	.31	.00	.25	.51	.15	.35	.04	1.37	.00	.00	.47	.28
100 Elec Eq	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
101 SignEq	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
102 RadioTY	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
102 CrnEq	.00	.00	.00	.00	.00	.02	.00	.00	.01	.00	.13	.00	.00	.06	.03
103 DoMestApp	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.01	.01
105 Elect Wires	.00	.00	.00	.00	.00	.08	.01	.00	.03	.00	.32	.00	.00	.15	.09
106 Bell Acoun	6.20	6.92	4.72	1.25	.00	.92	1.38	.34	1.88	.22	5.01	.00	.00	1.73	1.02
107 LghEq	.06	.06	.06	.01	.00	.04	.03	.01	.02	.00	.21	.00	.00	.09	.05
108 WeighMch	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
109 Prec Inst	.06	.06	.06	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
110 PhotoProd	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
111 Watches	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
112 Chemicals	5.45	5.57	4.15	1.10	.00	1.52	5.38	1.92	1.40	.23	8.25	.01	.00	2.45	1.45
113 Fertilizer	155.91	180.32	119.51	31.50	.00	20.89	7.39	1.92	15.32	1.07	114.15	.03	.01	50.72	29.01
114 Resins	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
115 PAH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
116 Pharmaceut	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00
117 Tobacco	.00	.00	.00	.00	.00	.00	.18	.04	.00	.00	.00	.00	.00	.00	.00
118 OtherChem	1.47	1.50	1.12	.30	.00	.33	1.25	.31	.48	.04	1.79	.00	.00	.67	.40
119 Tyres	8.04	8.22	6.18	1.82	.00	1.51	1.51	.37	1.68	.21	8.24	.00	.00	2.80	1.55
120 RubberCn	.08	.08	.04	.01	.00	.03	.01	.00	.00	.00	.15	.00	.00	.07	.04
121 PlasticCn	1.04	1.08	.79	.21	.00	.46	.33	.20	1.08	.02	28.19	.03	.01	12.13	7.18
122 Jewellery	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
123 MusicalInst	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
124 SportGame	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
125 OfficeAcce	.30	.30	.23	.06	.00	.08	.11	.03	1.03	.01	.34	.00	.00	.14	.09
126 Coalmin	26.58	27.18	20.25	5.36	.01	4.05	4.82	1.18	12.61	.42	22.03	.01	.01	9.09	5.38
127 Commerce	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
128 Transport	57.83	58.09	44.05	11.64	.18	13.74	19.98	4.92	8.77	.45	74.72	.02	.01	29.23	17.30
129 GovernMntr	2.70	2.76	2.06	.54	.00	1.10	1.08	.28	1.18	.12	6.01	.00	.00	1.93	1.14
130 Banking	195.75	201.03	149.86	38.51	.11	19.80	18.19	4.48	13.44	.83	144.88	.08	.01	62.00	36.74
131 Insurance	35.05	35.78	25.18	6.66	.01	4.35	3.73	.82	4.49	.47	23.66	.01	.00	8.50	5.08
132 OthServices	282.26	288.40	214.89	58.83	.13	57.27	67.04	16.50	72.07	28.78	311.48	.17	.09	155.38	91.84
133 PublicAdm	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	1213.87	1357.61	968.70	251.36	3.29	254.38	227.16	50.03	231.52	41.85	1458.28	.58	.29	610.75	362.54

Value Added

134 Labour	457.54	472.77	337.34	87.53	1.47	104.18	175.13	43.20	121.58	37.27	697.13	.15	.08	365.36	216.07
135 Capital	2444.42	2525.80	1802.24	487.84	5.90	489.97	247.51	81.06	404.97	56.55	2894.14	1.13	.59	1008.88	598.73
136 IndTax	133.09	137.82	98.12	25.46	.23	13.48	102.09	25.18	8.25	2.73	77.31	.05	.02	38.83	21.88
Total	3035.05	3136.39	2237.70	580.84	7.60	587.62	524.72	129.44	534.52	96.57	3068.58	1.30	.69	1410.85	837.48

Production

137 Import	.06	1408.53	15.27	164.10	75.14	6.80	.00	.00	82.31	.00	192.52	.00	.00	.00	.00
138 Tariff	.00	.00	.00	.00	84.85	.25	.00	.00	6.30	.00	9.26	.00	.00	.00	.00
139 Subsidy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	.06	1408.53	15.27	164.10	129.78	7.08	.00	.00	97.91	.00	201.88	.00	.00	.00	.00

139 Margins	1012.51	1048.21	748.51	183.70	2.54	158.03	175.04	43.18	178.42	32.23	1123.77	.44	.23	470.66	279.38
Total Resources	5351.49	5948.44	3968.18	1139.80	143.21	1045.11	926.82	228.60	1042.37	170.77	5152.80	2.30	1.19	2492.28	1479.36

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Hay/Wheat SoftWheat Soybean Maize Rice Leather SugarBeet SugarCane OtherAgn NonFibre Vegetables Alkali Berries Other Other

	Grapes	Dates	Apples	Other Fruit	Other	Livestock	Ferrous	Potash	Phosphate	Nitrogen	Molasses	CrossFeed	Refined	Electricity	Mileage
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 HardWheat	.00	.00	.00	.00	.09	42.17	.00	.34	1.07	.00	.72	.00	.00	.00	147.58
2 SoftWheat	.00	.00	.00	.00	.11	53.68	.00	.41	7.34	.00	.82	.00	.00	.00	1009.80
3 Barley	.00	.00	.00	.00	.08	41.63	.00	.29	2.38	.00	.26	.00	.00	.00	318.38
4 Maize	.00	.00	.00	.00	.02	4.32	.00	.08	1.27	.00	.14	.00	.00	.00	175.25
5 Rice	.00	.00	.00	.00	.02	10.01	.08	.49	.00	.00	.00	.00	.00	.00	.19
6 Legumes	.00	.00	.00	.38	.00	12.95	.00	.66	.13	.00	.01	.00	.00	.00	17.42
7 SugarBeets	.00	.00	.00	.00	.00	183.85	.18	.01	1.37	.00	.15	.00	.00	.00	188.48
8 SugarCane	.00	.00	.00	.00	.00	45.33	.85	.00	.34	.00	.04	.00	.00	.00	46.47
9 OilSeeds	.00	.00	.00	.00	.00	67.37	.00	.00	.87	.00	.07	.00	.00	.00	91.80
10 HayHens	.00	.00	.00	.00	.00	.00	.00	.00	.35	.00	.04	.00	.00	.00	45.88
11 Vegetables	.00	.00	.00	.00	.00	21.51	.00	.00	.52	.00	.08	.00	.00	.00	71.83
12 Alfalfa	.00	.00	.00	.00	.00	2.29	.00	.00	.00	.00	.00	.00	.00	.00	.00
13 Barkin	.00	.00	.00	.00	.00	1.18	.00	.00	.00	.06	.00	.00	.00	.00	.00
14 Citrus	.00	.00	.00	.00	.00	24.72	.00	.10	.11	.00	.01	.00	.00	.00	14.53
15 Olives	.00	.00	.00	.00	.00	28.68	.00	.11	2.84	.00	.21	.00	.00	.00	386.58
16 Grapes	1.90	.00	.00	.00	.00	8.54	.00	.04	.08	.00	.01	.00	.00	.00	11.70
17 Dates	.00	8.99	.00	.00	.00	15.08	.00	.08	.15	.00	.08	.00	.00	.00	20.71
18 Almonds	.00	.00	20.74	.00	.00	27.31	.00	.11	.27	.00	.03	.00	.00	.00	36.58
19 CitrusFruit	.00	.00	.00	2.02	.00	32.34	.00	.01	.02	.00	.00	.00	.00	.00	2.22
20 CitrusAgri	1.59	2.35	5.08	2.71	1.41	26.54	.58	.01	.01	.00	.00	.00	.00	.00	1.30
21 Livestock	8.48	18.18	29.70	3.25	.71	2900.87	2.75	.52	10.31	.00	1.15	.00	.00	.00	1416.82
22 Ferrous	.32	.57	1.08	.87	.12	.81	25.05	2.85	.01	.00	.00	.00	.00	.00	1.82
23 Fishing	.00	.00	.00	.00	.00	.04	.18	128.24	.07	.00	.01	.00	.00	.00	9.83
24 Phosphate	.00	.00	.00	.00	.00	.00	.00	.00	11.82	.00	.00	.00	.00	.00	.00
25 NonMetallic	.05	.09	.17	.05	.00	.98	.00	.00	.00	28.50	.00	.00	.00	.00	2.88
26 Molasses	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00
27 CrudePetrol	4.53	8.85	.00	.00	7.08	.02	5.58	5.82	.00	.00	.00	18.59	8254.13	267.51	734.80
28 RefinedPetrol	12.74	24.62	51.69	18.11	2.58	105.09	41.47	352.78	448.37	84.99	18.01	2.38	80.31	128.87	378.04
29 Electricity	2.71	4.85	1.41	1.60	3.48	100.45	5.87	13.16	113.02	11.14	18.35	17.32	4.72	172.87	183.48
30 Mining	.00	.00	.00	.00	.03	223.85	1.18	20.82	.00	.00	.00	.00	.00	.00	847.29
31 Textile	.00	.00	.00	.00	.00	24.58	.13	2.28	.00	.00	.00	.00	.00	.00	74.31
32 RefinedSugar	.00	.00	.00	.00	.02	175.05	.88	16.07	.00	.00	.00	.00	.00	.00	580.21
33 Candy	.00	.00	.00	.00	.00	10.47	.08	.87	.00	.00	.00	.00	.00	.00	57.82
34 ProFruitVeg	.00	.00	.00	.00	.01	68.95	.34	6.22	.00	.00	.00	.00	.00	.00	6.85
35 Meat Free	.00	.00	.00	.00	.00	1.88	.81	.15	.00	.00	.00	.00	.00	.00	.47
36 ProdDairy	.02	.04	.00	.00	.01	63.42	.30	5.58	.00	.00	.00	.00	.00	.00	13.10
37 MilkVgHyPr	.00	.00	.00	.00	.01	185.34	.52	8.58	.00	.00	.00	.00	.00	.00	18.88
38 ProdMeatProd	.00	.00	.00	.00	.00	34.45	.18	3.20	.00	.00	.00	.00	.00	.00	1.82
39 OtherFoodPro	.00	.00	.00	.00	.01	47.77	.24	17.85	.00	.00	.00	.00	.00	.00	9.07
40 Animal Feed	.00	.00	.00	.00	.00	104.88	.79	.24	.00	.00	.00	.00	.00	.00	.41
41 Brewing	.00	.00	.00	.00	.00	6.02	.03	.24	.00	.00	.00	.00	.00	.00	.00
42 Wine	.00	.00	.00	.00	.00	.41	.01	.18	.00	.00	.00	.00	.00	.00	.00
43 Spirits	.00	.00	.00	.00	.00	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00
44 NonAlcohol	.00	.00	.00	.00	.00	.47	.02	.21	.00	.00	.00	.00	.00	.00	.00
45 Tobacco	.00	.00	.00	.00	.01	.20	.02	.34	.00	.00	.00	.00	.00	.00	.00
46 WillsAlcohol	.00	.00	.01	.00	.00	.01	.00	.01	.00	.00	.05	.00	.10	.00	4.46
47 Cotton	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.00	.52	.00	23.71
48 Silk	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.18	.00	8.88
49 OtherTextile	.44	.78	1.51	1.48	.15	.42	.88	15.84	.00	.00	.08	.00	.14	.00	7.11
50 HidesLeather	1.31	2.34	5.63	2.55	.08	.04	.95	87.58	.00	.00	.05	.00	.08	.00	4.55
51 Carpets	.25	.48	.87	.85	.05	.24	.48	6.85	.00	.00	.01	.00	.02	.00	1.07
52 Hosiery	.88	1.75	3.34	3.27	.18	.93	1.89	28.51	.00	.00	.04	.00	.08	.00	3.87
53 Shirts	.05	.08	.10	.03	.00	.13	.01	.12	.15	.00	.01	.00	.00	.00	.03
54 Trousers	.23	.42	.78	.28	.04	.06	.04	.93	.88	.00	.00	.00	.00	.00	.14
55 TailorGarns	.00	.05	.10	.00	.00	.13	.01	.12	.53	.00	.08	.01	.00	.00	.08
56 Tanning	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
57 LumberSheds	.00	.00	.00	.00	.00	117.47	.32	.00	.00	.00	.00	.00	.00	.00	.00
58 Shoes	.00	.18	.01	.10	.02	.81	.83	.94	.00	.00	.00	.00	.00	.00	.00
59 Lumber	.00	.00	.00	.08	.00	.47	.56	.91	20.41	.75	2.42	8.64	.00	.00	.00
60 VeneerPanel	.55	1.03	1.88	.14	.09	3.11	.03	4.74	7.57	.28	.50	2.48	.00	.00	.00
61 WoodFrmMbr	.45	.81	1.54	.11	.07	2.49	.02	3.71	6.17	.23	.72	2.01	.00	.00	.00
62 WoodPack	4.84	8.32	.48	.16	.00	.11	.00	.00	6.13	.22	.79	2.00	.00	.00	.00
63 Furniture	.00	.00	.00	.00	.00	.44	.05	.35	9.77	.38	1.18	3.18	.00	.00	.00
64 OtherWood	.02	.04	.00	.00	.00	.22	.01	.00	2.74	.10	.32	.88	.00	.00	.00
65 PulpPaperCds	4.10	7.26	14.05	4.71	.48	27.25	.91	.95	2.40	.58	.55	.11	.05	.55	14.99
66 PaperPr	8.08	14.49	17.85	5.85	.51	23.11	1.01	1.28	4.03	1.04	.98	.20	.08	1.01	27.02
67 Printing	.09	.14	.30	.42	.15	9.86	2.85	1.74	3.12	.75	.71	.14	.06	.73	19.45
68 Ceramics	.00	.00	.00	.00	.18	.00	.00	.00	1.28	6.54	.36	.13	.02	1.08	1.52
69 Glass	.00	.00	.00	.00	.07	1.28	.30	.08	1.04	7.02	.30	.10	.01	1.10	1.24
70 Stone	.45	.82	1.85	.53	.08	.93	.48	1.40	.79	5.23	.23	.08	.01	.84	.94
71 CementPlst	.00	.00	.00	.00	.00	.00	.00	.00	4.94	33.42	1.41	.69	.08	8.24	8.88
72 Clay Aggrates	.00	.00	.00	.00	.00	.00	.00	.00	2.01	13.88	.57	.20	.03	2.19	2.98
73 Marble	.00	.00	.00	.00	.00	.00	.00	.00	.80	5.38	.23	.08	.01	.84	.95
74 Abrasives	.00	.00	.00	.00	.00	.00	.00	.00	1.20	8.15	.34	.12	.02	1.28	1.43
75 IronSteel	.01	.02	.03	.01	.00	.20	.00	.05	21.08	18.94	7.95	21.78	.00	.84	.00

	FoodProds	WoodProd	Furniture	OtherWood	PulpPap	Chem	Text	Comm	Glass	Stone	Coal	Iron	Ch	Appl	Merch	Trans	Indus
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
1 HardWoods	.81	.51	.82	.37	.01	.01	.01	.03	.01	.01	.00	.00	.00	.00	.00	.00	.00
2 SoftWoods	4.19	3.48	4.23	2.52	.07	.06	.04	.19	.10	.08	.08	.18	.08	.04	.04	.04	.00
3 Bakery	1.21	1.08	1.33	.79	.02	.02	.01	.08	.03	.03	.18	.08	.04	.04	.04	.04	.00
4 Meats	.73	.80	.73	.44	.01	.01	.01	.03	.02	.01	.10	.03	.02	.02	.02	.02	.00
5 Rice	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6 Legumes	.07	.06	.07	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7 SugarBeets	.78	.85	.78	.47	.01	.01	.01	.03	.02	.02	.11	.03	.02	.02	.02	.02	.00
8 SugarCane	.19	.16	.19	.12	.00	.00	.00	.01	.00	.00	.03	.01	.01	.01	.01	.01	.00
9 Oilseeds	.58	.32	.38	.23	.01	.01	.00	.02	.01	.01	.04	.02	.01	.01	.01	.01	.00
10 FlourFlour	.19	.18	.18	.11	.00	.00	.00	.01	.00	.00	.03	.01	.01	.01	.01	.01	.00
11 Vegetables	.50	.25	.30	.18	.00	.01	.00	.01	.01	.01	.04	.01	.01	.01	.01	.01	.00
12 Alfalfa	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13 Beans	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14 Citrus	.06	.05	.06	.04	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
15 Dishes	1.80	1.58	1.82	.98	.03	.03	.02	.07	.04	.00	.22	.07	.04	.04	.04	.04	.00
16 Grapes	.06	.04	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17 Dates	.09	.07	.08	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18 Almonds	.15	.13	.15	.08	.00	.00	.00	.01	.00	.00	.02	.01	.00	.00	.00	.00	.00
19 OtherFruit	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20 OilAgri	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21 Livestock	5.88	4.88	5.84	3.55	.08	.11	.08	.26	.14	.11	.82	.26	.18	.20	.20	.20	.00
22 Forestry	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23 Fishing	.04	.03	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24 Phosphates	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25 NonMetallic	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26 Metals	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27 CrudePetrol	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28 RefinedPetrol	1.87	1.54	1.88	1.13	89.57	107.18	84.48	198.04	113.01	88.83	88.17	188.58	128.91	158.23	188.85	188.85	.00
29 Electricity	1.51	1.25	1.52	.91	87.78	81.08	41.22	44.88	25.81	20.38	147.71	44.50	26.22	35.95	24.81	24.81	.00
30 Mining	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31 Baking	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
32 RefinedSugar	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
33 Candy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
34 ProFruitVeg	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35 Meat Prod	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36 ProdDairy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37 MilkVgByPr	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38 ProFoodFood	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39 OilFoodFw	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40 Alkali Field	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41 Sawing	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42 Wine	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43 Spirits	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44 NonAlbev	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45 Tobacco	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46 Wd&AlumFb	8.73	5.58	8.80	4.08	1.04	1.25	.83	.13	.08	.08	.44	.13	.08	.11	.11	.11	.00
47 Cotton	95.55	29.51	26.01	21.48	5.52	8.51	8.58	.70	.49	.32	2.31	.69	.48	.58	.58	.58	.00
48 Silk	12.45	10.34	12.88	7.51	1.80	2.31	1.17	.24	.14	.11	.81	.24	.18	.20	.20	.20	.00
49 OthTurtle	9.87	8.20	9.97	5.95	1.53	1.83	.93	.18	.11	.09	.54	.19	.13	.15	.15	.15	.00
50 Haberdash	5.82	4.57	5.88	3.39	.87	1.04	.53	.11	.08	.06	.38	.11	.07	.08	.08	.08	.00
51 Carpets	1.48	1.23	1.50	.89	.28	.28	.14	.03	.02	.01	.10	.03	.02	.02	.02	.02	.00
52 Hosiery	5.37	4.46	5.42	3.23	.89	.99	.51	.11	.08	.05	.36	.10	.07	.08	.08	.08	.00
53 Shirts	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
54 Trowsers	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
55 TailorGarm	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
56 Tanning	30.04	33.18	40.38	24.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
57 LeatherGds	24.36	20.26	24.84	14.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
58 Shoes	47.41	28.39	47.80	28.58	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
59 Lumber	68.97	47.32	57.65	34.34	20.55	24.59	12.50	4.00	2.28	1.81	13.15	3.95	2.90	3.19	3.19	.00	.00
60 VeneerPanel	21.14	17.58	21.35	12.74	7.68	8.13	4.64	1.48	.85	.67	4.88	1.47	.97	1.19	1.19	.00	.00
61 WoodFrmBld	17.22	14.51	17.40	10.38	8.21	7.44	3.78	1.21	.88	.55	5.98	1.20	.79	.97	.97	.00	.00
62 WoodPack	17.12	14.22	17.00	10.32	8.18	7.38	3.78	1.20	.88	.54	5.95	1.19	.78	.98	.98	.00	.00
63 Furniture	27.28	22.98	27.58	18.44	8.64	11.77	5.09	1.81	1.08	.87	6.30	1.80	1.25	1.53	1.53	.00	.00
64 OthWdWood	7.88	6.36	7.73	4.81	2.78	3.30	1.88	.54	.31	.24	1.77	.83	.36	.45	.45	.00	.00
65 PrintPapCds	.18	.14	.18	.10	214.10	258.18	130.23	.46	.26	.21	1.52	.48	.30	.37	.37	.37	.00
66 PaperPr	.29	.24	.29	.18	388.74	481.58	234.84	.89	.48	.38	2.74	.83	.54	.67	.67	.67	.00
67 Printing	.31	.18	.21	.13	277.77	332.36	188.98	.60	.34	.27	1.97	.58	.38	.48	.48	.48	.00
68 Copierice	.20	.25	.21	.18	.12	.14	.07	40.95	23.01	18.29	182.71	38.96	28.25	32.22	32.22	32.22	.00
69 Glass	.26	.21	.25	.18	.10	.12	.08	32.78	18.70	14.87	107.88	32.50	21.33	28.19	28.19	28.19	.00
70 Stone	.19	.18	.19	.11	.07	.09	.05	24.90	14.21	11.29	81.83	24.88	18.21	19.68	19.68	19.68	.00
71 Com&Pint	1.18	.98	1.19	.71	.47	.56	.28	155.99	88.01	70.78	513.55	164.88	101.54	124.64	124.64	124.64	.00
72 Ch Appln	.48	.40	.48	.29	.18	.23	.13	69.38	38.17	28.75	208.60	62.45	41.28	50.86	50.86	50.86	.00
73 Marble	.19	.18	.19	.11	.08	.09	.05	25.14	14.34	11.40	82.72	24.82	18.36	20.38	20.38	20.38	.00
74 Adm&Trcl	.29	.24	.29	.17	.11	.14	.07	38.04	21.71	17.25	185.18	37.71	24.78	30.38	30.38	30.38	.00
75 Iron&Steel	19.51	18.21	19.71	11.78	.79	.94	.48	42.43	24.21	18.25	158.63	42.07	27.82	33.90	33.90	33.90	.00

74 Nonferrous	5.12	4.26	5.18	3.08	.21	.25	.19	11.14	6.36	5.04	36.67	11.08	7.25	6.80	180.17
75 SteelCutlery	2.75	2.28	2.77	1.86	.81	.97	.50	.83	.47	.38	2.73	.82	.54	.68	27.21
76 MetalFertl	1.88	1.38	1.68	1.00	.49	.59	.30	.50	.29	.23	1.65	.50	.30	.40	16.46
77 Forged Tools	13.78	11.48	13.82	9.31	4.08	4.88	2.48	4.18	2.58	1.89	13.70	4.13	2.71	3.33	136.57
78 MetalPart	6.63	6.61	8.70	4.90	1.97	2.36	1.30	2.60	1.14	.81	6.40	1.98	1.30	1.60	65.73
81 Wire	13.12	10.00	13.25	7.91	3.68	4.88	2.37	3.86	2.26	1.80	13.04	3.93	2.58	3.17	129.88
82 Pipes&Tub	4.00	3.32	4.04	2.41	1.19	1.42	.72	1.21	.69	.55	3.98	1.20	.79	.97	39.63
84 HomeLifesal	2.39	1.99	2.42	1.44	.71	.85	.43	.72	.41	.33	2.38	.72	.47	.58	23.71
87 OtherMach	2.82	2.36	2.85	1.70	.84	1.00	.51	.85	.48	.39	2.51	.86	.56	.68	27.08
88 Motor&Tur	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.06	.02	.01	.01	.00
89 AgMach	.00	.00	.00	.00	.01	.01	.00	.05	.03	.02	.17	.06	.00	.04	.00
90 MachWdMach	.00	.00	.00	.00	.00	.00	.00	.03	.02	.02	.12	.03	.02	.03	.00
91 MiscCutMach	.00	.00	.00	.00	.00	.00	.00	.04	.02	.02	.13	.04	.02	.03	.00
92 SpecIndMach	.00	.00	.00	.00	.00	.00	.00	.03	.02	.01	.10	.03	.02	.02	.00
93 GenIndMach	.00	.00	.00	.00	.03	.03	.02	.16	.12	.12	.84	.25	.17	.21	.00
94 OtherMach	.00	.00	.00	.00	.02	.03	.01	.21	.12	.10	.70	.21	.14	.17	.00
97 PartsVehic	.25	.21	.25	.16	.82	.98	.80	1.22	.70	.65	4.02	1.21	.80	.88	10.19
98 Truck&B	.22	.18	.22	.13	.71	.85	.43	1.07	.61	.48	3.51	1.06	.69	.85	8.88
99 Motorcycle	.03	.03	.03	.02	.11	.13	.08	.16	.08	.07	.52	.16	.10	.13	1.31
00 Freight Car	.01	.01	.01	.01	.04	.06	.02	.06	.03	.03	.20	.06	.04	.05	.60
01 ShipBuild	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
02 Aircraft	.02	.01	.02	.01	.06	.08	.08	.08	.06	.04	.27	.08	.05	.06	.68
03 OtherTrans	.00	.00	.00	.00	.01	.01	.01	.02	.01	.01	.05	.02	.01	.01	.14
04 Equip&Gen	.00	.00	.00	.00	.05	.06	.03	.08	.04	.03	.25	.07	.05	.06	.00
05 Elec Eq	.00	.00	.00	.00	.33	.38	.20	.52	.30	.24	1.70	.52	.34	.42	.00
06 SignalEq	.00	.00	.00	.00	.09	.09	.02	.04	.03	.03	.15	.04	.03	.04	.00
07 RadioTY	.00	.00	.00	.00	.71	.86	.43	1.13	.65	.51	9.73	1.12	.74	.91	.00
08 OtherElec	.00	.00	.00	.00	.28	.33	.17	.44	.26	.20	1.45	.44	.29	.35	.00
09 DomesticAppl	.00	.00	.00	.00	.12	.14	.07	.18	.10	.06	.61	.18	.12	.16	.00
10 Steel Wire	.00	.00	.00	.00	.42	.50	.25	.65	.38	.30	2.18	.68	.43	.53	.00
11 Steel Access	.00	.00	.00	.00	.12	.16	.07	.19	.11	.06	.64	.18	.13	.15	.00
12 LightEquip	.00	.00	.00	.00	.43	.51	.28	.69	.39	.31	2.25	.68	.45	.56	.00
13 Weigh&Me	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14 Prod Inst	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
110 PhotoProd	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
111 Watches	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
112 Chemical	6.07	5.06	6.14	3.68	94.16	112.66	57.28	10.22	5.88	4.63	33.82	10.13	6.66	8.16	1.43
113 Fertilizer	.14	.11	.14	.08	2.14	2.66	1.30	.23	.13	.11	.77	.23	.15	.19	.03
114 Resins	2.23	1.85	2.26	1.35	34.81	41.41	21.05	3.75	2.14	1.79	12.36	3.72	2.44	3.00	.52
115 Paint	1.81	1.34	1.65	.97	28.00	29.82	15.21	2.71	1.55	1.23	8.83	2.69	1.77	2.17	.88
117 Pharmacy	2.84	2.11	2.56	1.53	38.30	47.03	23.91	4.28	2.40	1.83	14.03	4.23	2.78	3.41	.89
118 Tobacco	1.58	1.21	1.59	.86	24.47	29.28	14.89	2.85	1.51	1.20	8.74	2.53	1.73	2.12	.37
119 OtherChem	1.50	1.26	1.52	.91	23.28	27.89	14.18	2.50	1.44	1.16	8.31	2.50	1.64	2.02	.15
120 Tyres	.63	.44	.54	.32	.05	.10	.05	.20	.11	.08	.65	.20	.13	.16	.00
121 Rubber&Pl	.41	.34	.41	.25	.06	.08	.04	.18	.09	.07	.60	.15	.10	.12	.00
122 Plastic&Pl	1.13	.84	1.14	.68	.17	.21	.11	.48	.24	.18	1.38	.42	.27	.34	.00
123 Jewelry	.00	.00	.00	.00	.10	.12	.06	.06	.00	.00	.00	.00	.00	.00	.00
124 MusicalInst	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
125 SportDress	.00	.00	.00	.00	.08	.10	.06	.00	.00	.00	.00	.00	.00	.00	.00
126 OfficeEquip	.00	.00	.00	.00	.50	.60	.30	.00	.00	.00	.00	.00	.00	.00	.00
128 Construm	.28	.23	.29	.17	5.18	6.17	3.14	2.85	1.63	1.29	8.39	2.83	1.86	2.28	3.88
129 Commerce	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
130 Transport	4.23	3.81	4.27	2.55	48.08	58.12	29.02	26.82	15.18	12.08	97.62	26.40	17.33	21.27	131.82
131 Commodity	.27	.23	.28	.18	4.22	5.18	2.63	2.80	1.60	1.27	8.21	2.77	1.82	2.24	4.17
132 Banking	7.38	6.14	7.47	4.48	208.90	246.56	125.48	130.34	78.51	63.21	458.55	138.15	90.70	111.33	172.80
133 Insurance	.03	.03	.03	.02	.29	.35	.18	.21	.12	.10	.69	.21	.14	.17	.14
134 OtherServ	18.01	13.30	16.17	9.65	139.93	167.45	85.12	126.08	71.36	58.73	411.55	123.00	81.40	99.92	183.66
135 PublicAdm	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	478.14	397.20	493.08	288.21	1772.37	2120.84	1078.10	1146.38	668.68	518.58	3789.25	1138.81	745.56	915.15	2230.82

Value Added

136 Labour	100.97	159.85	308.54	78.67	161.85	192.63	257.72	103.84	59.28	77.92	274.81	254.26	84.53	104.65	281.19
137 Capital	47.23	85.85	101.86	52.56	264.70	118.17	76.70	120.28	49.80	52.88	283.02	146.86	68.73	86.56	132.28
138 IndTax	29.80	41.69	84.30	31.27	140.97	65.86	42.47	81.79	31.82	36.90	600.37	99.84	40.61	68.17	257.12
Total	187.10	287.19	474.41	162.50	567.62	377.78	378.82	306.01	137.90	166.30	1758.21	500.96	154.87	248.37	670.59

Production

139 Import	6.84	36.74	55.40	16.60	191.87	822.68	384.05	71.82	331.12	187.62	99.88	79.00	37.20	29.55	3414.84
140 Tariff	3.21	.18	82.24	7.88	68.88	376.99	58.16	48.59	188.91	108.78	33.02	23.76	19.88	18.26	692.41
141 Subsidy	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	8.35	36.97	117.64	24.48	258.75	1199.66	442.21	118.91	521.03	276.40	133.00	102.75	57.08	48.80	4407.25

142 Margins	221.36	221.58	318.80	160.87	311.85	334.41	194.74	91.80	50.06	43.39	249.60	103.61	58.95	73.58	568.90
Tot Reserves	896.46	822.33	1393.72	628.18	2900.36	4032.67	2081.87	1582.10	1062.57	1005.74	6019.06	1842.83	1014.47	1285.01	7868.68
71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Wood&Furn	Wood&P	Furniture	Chem&Wood	Pulp&Paper	Paper	Printing	Ceramics	Glass	Blow	Chem&Plas	Chem	Agri&F	Mach	Alumina	Iron&Steel

	Hardwood		Softwood		Paper		Textile		Food		Chemical		Other		Total	
	77	78	77	78	77	78	77	78	77	78	77	78	77	78	77	78
1 Hardwood	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2 Softwood	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3 Paper	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4 Textile	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5 Food	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6 Chemical	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7 Other	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8 Total	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	1.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	2.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	44.98	2.58	2.99	30.88	17.11	29.10	2.60	5.72	2.27	.88	.84	.22	.73	.37	4.13	4.48
29	73.48	1.92	2.23	23.00	12.78	21.08	2.18	4.28	1.99	.83	.70	.24	.80	.40	1.18	1.77
30	8.81	1.30	1.51	18.59	9.20	15.64	1.88	3.07	1.22	.28	.27	.08	.31	.18	.00	.00
31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
51	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
53	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
54	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
58	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
61	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
62	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
67	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
76	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
77	10.08	1.19	1.36	14.35	7.80	13.44	1.24	2.84	1.05	.81	.88	.33	.78	.38	4.37	4.77
78	4.10	.48	.66	5.79	3.21	5.48	.64	1.07	.43	.25	.28	.09	.32	.18	.00	.00
79	1.83	.19	.22	2.30	1.37	2.17	.22	.43	.17	.10	.11	.04	.12	.06	.00	.00
80	2.48	.29	.34	3.47	1.93	3.28	.30	.84	.26	.15	.17	.08	.18	.10	.00	.00
81	265.86	78.89	88.08	907.78	503.21	845.26	85.27	168.12	88.72	18.70	20.70	7.10	23.86	11.83	133.18	

75 NonferMet	66.82	19.92	23.15	236.45	132.15	224.77	22.28	44.15	17.32	4.91	5.44	1.87	6.21	3.15	34.98
77 SteelCutlery	10.64	2.23	2.59	26.74	14.82	25.21	2.51	4.85	1.97	.33	.26	.12	.41	.21	2.33
78 MetalFam	6.38	1.35	1.57	18.18	8.97	15.25	1.52	3.00	1.19	.20	.22	.08	.25	.13	1.41
79 Forged Tools	52.82	11.21	13.02	134.20	74.38	126.53	12.61	24.86	8.85	1.54	1.82	.62	2.07	1.05	11.68
80 MetalPack	25.47	6.40	6.27	64.58	35.80	80.80	6.07	11.88	4.75	.79	.87	.30	1.00	.50	5.62
81 Wire	50.57	10.87	12.30	127.73	70.81	130.43	12.00	23.86	8.38	1.56	1.73	.59	1.87	1.00	11.12
82 Pipe&Tube	15.35	3.25	3.78	38.94	21.59	36.71	3.88	7.21	2.86	.48	.53	.18	.80	.30	3.90
83 HomeUtensil	9.19	1.85	2.28	23.30	12.82	21.97	2.18	4.32	1.71	.28	.32	.11	.36	.18	2.03
84 OtMetalPr	10.84	2.30	2.57	27.60	15.24	25.93	2.58	5.09	2.02	.34	.37	.13	.43	.21	2.30
85 Motor&Turb	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.14	.06	.18	.08	.88
86 ApMach	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	.43	.16	.48	.25	2.74
87 MetWorksh	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.28	.10	.32	.18	1.82
88 MinCapMach	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.31	.11	.35	.18	1.99
89 SpecMach	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.24	.08	.26	.14	1.57
90 GenMach	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.87	2.07	.71	2.37	1.19	13.33
91 OtherMach	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.54	1.71	.59	1.85	.99	11.00
92 Print&Yello	3.95	.42	.48	5.05	2.60	4.76	.47	.84	.37	.58	.64	.22	.74	.37	4.14
93 Trucks&Bn	3.44	.37	.43	4.41	2.44	4.16	.41	.82	.32	.51	.56	.19	.64	.32	3.51
94 Motorcycle	.51	.05	.06	.65	.36	.61	.06	.12	.05	.08	.08	.03	.09	.05	.53
95 Freight Car	.20	.02	.02	.28	.14	.24	.02	.04	.02	.03	.03	.01	.04	.02	.21
96 ShipBuild	.01	.00	.00	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02
97 Aircraft	.26	.03	.03	.34	.19	.32	.03	.06	.02	.04	.04	.01	.05	.02	.28
98 CrTree&Cap	.05	.01	.01	.07	.04	.08	.01	.01	.01	.01	.01	.00	.01	.01	.06
99 Electr&Dep	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
100 Elec Exp	.00	.00	.00	.02	.01	.02	.00	.00	.00	.02	.03	.01	.03	.01	.17
101 Sign&Exp	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
102 RadioTV	.00	.00	.00	.04	.02	.04	.00	.01	.00	.05	.06	.02	.08	.03	.38
103 OtElecExp	.00	.00	.00	.02	.01	.02	.00	.00	.00	.02	.02	.01	.02	.01	.14
104 DomestAppl	.00	.00	.00	.01	.00	.01	.00	.00	.00	.01	.01	.00	.01	.01	.06
105 Elec Wire	.00	.00	.00	.02	.01	.02	.00	.00	.00	.03	.03	.01	.04	.02	.21
106 Bkt. Acct&B	.00	.00	.00	.01	.00	.01	.00	.00	.00	.01	.01	.00	.01	.01	.06
107 Light&Exp	.00	.00	.00	.03	.01	.02	.00	.00	.00	.03	.03	.01	.04	.02	.22
108 Weigh&Mst	.00	.06	.10	1.07	.59	1.01	.10	.20	.06	.07	.08	.02	.09	.05	.50
109 Pree Int	.00	.05	.08	.64	.36	.80	.06	.12	.04	.04	.04	.02	.05	.03	.30
110 PhotoProd	.00	.05	.05	.54	.30	.51	.06	.10	.04	.04	.04	.01	.05	.02	.25
111 Watches	.00	.01	.01	.11	.06	.11	.01	.02	.01	.01	.01	.00	.01	.00	.05
112 Chemicals	.56	2.91	3.38	34.82	19.90	32.82	3.27	6.44	2.54	.85	.94	.32	1.08	.54	8.66
113 Fer&Steel	.01	.07	.08	.79	.44	.75	.07	.16	.06	.02	.02	.01	.02	.01	.14
114 Resins	.20	1.07	1.24	12.80	7.08	12.08	1.20	2.37	.84	.31	.35	.12	.40	.20	2.23
115 Paint	.18	.77	.80	9.24	5.12	8.72	.87	1.71	.88	.23	.25	.09	.29	.14	1.81
116 Pharmaceut	.23	1.21	1.41	14.53	8.08	19.70	1.98	2.89	1.07	.38	.39	.13	.45	.23	2.53
117 Talc&ry	.14	.76	.89	9.05	5.02	8.53	.85	1.88	.68	.22	.24	.08	.28	.14	1.58
118 Glass&Chem	.14	.72	.84	8.61	4.77	8.12	.81	1.69	.80	.21	.23	.08	.27	.13	1.59
119 Tyres	.00	.10	.12	1.20	.68	1.13	.11	.22	.09	.39	.37	.13	.42	.21	2.38
120 RubberObj	.20	.08	.09	.92	.51	.87	.08	.17	.07	.26	.29	.10	.33	.15	1.83
121 PlasticObj	.00	.21	.25	2.53	1.40	2.38	.24	.47	.19	.71	.78	.27	.89	.45	5.04
122 Jewelry	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
123 MusicalInst	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
124 SportGames	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
125 OfficeAcct	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
126 Construct	1.43	.15	.18	1.82	1.01	1.71	.17	.34	.13	.15	.17	.08	.19	.10	1.08
127 Commerce	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
128 Transport	51.08	3.12	3.69	37.40	20.73	35.26	3.51	6.93	2.75	1.14	1.26	.43	1.44	.72	8.09
129 Commun&In	1.62	.42	.48	5.03	2.79	4.74	.47	.93	.37	.17	.18	.07	.22	.11	1.23
130 Banking	57.00	13.96	16.21	167.08	82.62	157.52	15.89	30.94	12.28	5.59	6.19	2.12	7.07	3.57	39.80
131 Insurance	.06	.02	.03	.29	.18	.27	.03	.06	.02	.01	.01	.00	.01	.01	.06
132 OtherService	63.18	7.73	8.98	92.52	51.29	87.23	8.69	17.14	6.80	3.24	3.80	1.39	5.63	3.35	37.34
133 PublicAdmin	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	867.96	182.46	211.93	2184.16	1210.74	2059.21	206.16	404.51	180.53	84.97	80.83	20.87	69.51	35.06	581.93

Value Added

134 Labor	59.87	39.52	52.67	268.73	99.48	75.11	59.18	59.74	24.89	8.93	36.31	10.63	24.94	13.28	153.98
135 Cap&M	11.09	44.82	50.14	226.97	130.80	100.48	53.04	47.84	24.70	18.43	9.10	3.74	4.83	2.62	32.98
136 NetTax	21.55	21.46	23.96	108.45	62.41	48.01	25.94	22.88	11.80	12.39	7.88	8.23	4.17	2.26	28.20
Total	91.51	105.80	126.77	594.15	292.50	223.60	137.94	127.44	61.20	36.70	63.26	17.51	33.94	18.16	194.94
Production	959.29	288.36	338.70	2778.32	1503.24	2282.80	342.70	531.98	221.73	93.87	114.08	58.38	103.45	53.22	598.23
137 Import	782.38	258.84	13.80	48.16	188.52	282.25	318.78	48.41	205.63	70.49	570.88	730.98	575.57	1854.28	1894.41
138 Tariff	229.89	156.82	9.11	15.47	70.97	182.68	186.37	26.70	148.67	12.93	85.65	115.03	85.23	112.62	688.77
139 Subsidy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	982.27	415.66	22.91	61.82	259.49	454.94	484.15	75.12	444.20	83.42	656.54	846.01	660.81	1966.90	2583.18

140 Margins	187.50	48.98	55.15	452.43	244.79	371.74	55.81	88.62	36.11	71.98	87.20	29.33	78.06	40.67	448.04
Total Resources	2120.08	751.87	418.77	3292.36	2007.82	3109.48	842.68	691.70	702.04	248.67	857.93	913.70	843.33	2063.50	3587.45

NonferMet SteelCutlery MetalFam Forged Tools MetalPack Wire Pipe&Tube HomeUtensil OtMetalPr Motor&Turb ApMach MetWorksh MinCapMach SpecMach GenMach

	Overhead	Prime	Value	Trade	Material	Frigh	Con	Ship	Area	On	Trade	Sub	Con	Rate	TV	On	Con	Exp	W
	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
1 HardWood	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2 SoftWood	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3 Barley	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4 Maize	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5 Rice	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6 Legume	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7 SugarBeet	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8 SugarCane	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9 OilSeed	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10 RawFiber	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11 Vegetables	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12 Alfalfa	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13 Beans	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14 Citrus	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15 Olives	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16 Grapes	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17 Dates	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18 Almonds	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19 OtherFruit	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20 OnAgri	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21 Livestock	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22 Forestry	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23 Fishing	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24 Pheasant	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25 NonAlia	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26 Metals	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27 CrudePetrol	7.78	8.86	9.11	1.48	.21	.44	.00	.08	.39	9.08	.46	28.19	8.83	1.88	24.89				
28 RefinFuel	6.44	11.50	10.48	1.82	.27	.58	.00	.07	.12	2.86	.16	8.24	2.82	.54	7.85				
29 Electricity	2.33	4.28	2.88	.71	.18	.21	.00	.33	.11	2.45	.13	7.08	2.28	.48	6.75				
30 Milling	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31 Bldg	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
32 Refinery	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
33 Candy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
34 ProFruit	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35 Meat Prod	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36 ProdCoke	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37 MfgMach	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38 ProdSteel	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39 OffEquip	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40 Animal Feed	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41 Sewing	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42 Misc	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43 Syrite	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44 NonAlia	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45 Tobacco	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46 WIAA&F	.51	.18	.14	.08	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47 Cotton	2.71	.84	.78	.14	.08	.04	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48 Silk	.88	.29	.28	.08	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49 OnTartile	.78	.28	.21	.04	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50 HerbTea	.43	.19	.12	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
51 Carpae	.11	.08	.08	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
52 Hooley	.41	.13	.11	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
53 Shine	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
54 Trousers	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
55 TellerGun	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
56 Tanning	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
57 Lath&Stk	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
58 Shoes	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
59 Lumber	.16	9.84	9.29	.81	.08	.18	.00	.02	.18	3.37	.18	8.77	3.11	.82	8.30				
60 VeneerPanel	.56	1.35	1.22	.22	.03	.07	.00	.01	.06	1.28	.07	3.82	1.15	.23	2.45				
61 WoodPanel	.04	1.10	1.00	.18	.03	.05	.00	.01	.04	1.02	.08	2.85	.84	.19	2.81				
62 WoodPack	.04	1.09	.98	.18	.03	.05	.00	.01	.04	1.01	.08	2.84	.83	.19	2.78				
63 Furniture	.07	1.74	1.58	.28	.04	.08	.00	.01	.07	1.51	.09	4.88	1.48	.30	4.45				
64 OtherWood	.02	.48	.44	.08	.01	.02	.00	.00	.02	.48	.02	1.31	.42	.08	1.28				
65 PaperPack	.87	1.28	1.16	.21	.03	.06	.00	.01	.07	1.51	.08	4.37	1.38	.28	4.18				
66 PaperF	1.58	2.30	2.08	.38	.05	.11	.00	.01	.12	2.72	.15	7.88	2.51	.50	7.60				
67 Printing	1.12	1.68	1.50	.28	.04	.08	.00	.01	.08	1.98	.11	5.87	1.80	.38	5.40				
68 Ceramic	2.15	2.02	1.82	.24	.05	.10	.00	.01	.03	.82	.03	1.80	.57	.12	1.72				
69 Glass	1.78	1.84	1.48	.27	.04	.08	.00	.01	.02	.81	.03	1.47	.47	.08	1.38				
70 Glass	1.31	1.24	1.18	.21	.03	.06	.00	.01	.02	.38	.02	1.11	.36	.07	1.08				
71 Ceram&Plat	8.23	7.80	7.05	1.90	.18	.38	.00	.05	.10	2.41	.13	8.87	2.22	.45	8.64				
72 OnAgglom	3.24	3.17	2.87	.53	.07	.18	.00	.02	.04	.88	.05	2.83	.80	.18	2.70				
73 Marble	1.33	1.28	1.14	.21	.03	.06	.00	.01	.02	.39	.02	1.12	.36	.07	1.07				
74 Abrasive	2.01	1.90	1.72	.32	.04	.08	.00	.01	.03	.88	.03	1.70	.54	.11	1.62				
75 Iron&Steel	250.89	38.58	32.18	5.83	.88	1.74	.00	.22	2.83	60.68	3.32	175.81	55.83	11.25	187.38				

76 Hardware	65.90	9.05	8.45	1.56	.22	.46	.00	.06	.58	15.94	.87	48.17	14.88	2.95	43.06
77 SteelCutlery	4.38	5.28	4.77	.88	.12	.26	.00	.00	.03	.74	.04	2.15	.58	.14	2.05
78 MetalFurnt	2.85	3.20	2.88	.83	.07	.16	.00	.02	.02	.44	.02	1.30	.41	.06	1.24
79 Forged Tools	22.01	26.50	20.88	4.41	.82	1.30	.00	.16	.18	8.72	.20	10.79	3.43	.89	10.27
80 MetalPaint	10.88	12.78	11.53	2.12	.30	.82	.00	.06	.08	1.78	.10	5.19	1.85	.33	4.84
81 Wire	20.85	26.20	22.81	4.20	.88	1.24	.00	.16	.15	3.64	.19	10.27	3.27	.88	9.78
82 Pipes&Tube	8.39	7.68	8.95	1.28	.18	.38	.00	.06	.06	1.08	.06	3.33	1.00	.20	2.88
83 HomeAppl	3.82	4.80	4.16	.77	.11	.23	.00	.00	.03	.65	.04	1.87	.60	.12	1.79
84 OilMetalPt	4.51	5.43	4.91	.90	.13	.27	.00	.09	.93	.76	.04	2.21	.70	.14	2.10
85 Motor&Turb	1.68	.88	.82	.11	.02	.03	.00	.00	.00	.09	.00	.25	.08	.02	.24
86 AgMach	5.18	2.12	1.82	.34	.06	.10	.00	.01	.01	.27	.01	.78	.26	.05	.74
87 MachMach	3.42	1.41	1.27	.29	.00	.07	.00	.01	.01	.19	.01	.52	.16	.03	.49
88 MinCntrlMch	3.76	1.64	1.30	.28	.04	.08	.00	.01	.01	.20	.01	.67	.18	.04	.54
89 SpndnMch	2.96	1.21	1.10	.20	.03	.04	.00	.01	.01	.15	.01	.45	.14	.03	.42
90 GenIndMch	25.12	10.32	9.30	1.72	.24	.51	.00	.08	.08	1.31	.07	3.79	1.20	.24	3.61
91 OtherMach	20.72	8.51	7.88	1.42	.20	.42	.00	.05	.06	1.08	.08	3.12	.89	.20	2.87
92 Pwr&Vehic	7.81	617.83	589.70	102.87	14.45	30.25	.00	3.61	.01	.27	.01	.78	.25	.06	.74
93 Trucks&Tr	6.81	638.12	487.44	88.78	12.61	28.40	.00	3.32	.01	.24	.01	.58	.22	.04	.65
94 MotorVeh	1.01	79.72	72.08	13.27	1.86	3.90	.00	.48	.00	.03	.00	.10	.03	.01	.10
95 Freight Car	.38	30.63	27.89	5.10	.72	1.60	.00	.18	.00	.01	.00	.04	.01	.00	.04
96 Ship&Bld	.02	2.32	2.08	.38	.06	.11	.00	.01	.00	.00	.00	.00	.00	.00	.00
97 Aeronut	.32	41.06	37.12	6.84	.86	2.01	.00	.25	.00	.02	.00	.05	.02	.00	.05
98 OilTran&Eq	.11	8.34	7.54	1.38	.20	.41	.00	.05	.00	.00	.00	.01	.00	.00	.01
99 Elect&Gen	.05	.87	.86	.01	.00	.00	.00	.00	.11	2.82	.14	7.58	2.41	.48	7.21
100 Elec Exp	.32	.48	.44	.06	.01	.02	.00	.00	.79	18.26	1.00	52.90	16.83	3.38	50.95
101 SignalExp	.03	.04	.04	.01	.00	.00	.00	.00	.07	1.54	.08	4.47	1.42	.29	4.25
102 RadioTV	.68	1.05	.85	.17	.02	.05	.00	.01	1.71	28.42	2.15	114.21	36.33	7.31	108.72
103 OtherElec	.28	.41	.37	.07	.01	.02	.00	.00	.86	15.24	.34	44.43	14.13	2.84	42.28
104 Comm&App	.11	.17	.15	.03	.00	.01	.00	.00	.28	6.40	.35	18.54	5.90	1.19	17.58
105 Elect Wire	.40	.81	.68	.10	.01	.03	.00	.00	1.00	23.06	1.28	65.81	21.26	4.27	63.50
106 Bldg Accoun	.12	.18	.18	.09	.00	.01	.00	.00	.29	6.78	.37	19.55	6.22	1.25	18.81
107 Light&Eq	.41	.84	.67	.11	.01	.03	.00	.00	1.00	23.84	1.30	69.08	21.87	4.42	65.75
108 Whgh&Inst	.95	.00	.00	.00	.00	.00	.00	.00	.01	.12	.01	.35	.11	.02	.33
109 Pwr Inst	.86	.00	.00	.00	.00	.00	.00	.00	.00	.10	.01	.30	.09	.02	.28
110 PhotoProd	.48	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.06	.02	.00	.08
111 Wash&B	.10	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.06	.02	.00	.08
112 Chem&Pet	11.43	9.20	8.32	1.69	.22	.45	.00	.06	.72	16.89	.81	45.38	15.38	3.08	48.04
113 Textile&Foot	.28	.21	.19	.08	.00	.01	.00	.00	.02	.38	.02	1.10	.36	.07	1.08
114 Rubber	4.20	3.38	3.08	.88	.08	.17	.00	.02	.27	6.14	.34	17.77	5.88	1.14	16.92
115 Paint	3.03	2.44	2.21	.41	.08	.12	.00	.02	.19	4.43	.24	12.84	4.08	.82	12.22
116 Pharmaceut	4.77	3.84	3.47	.84	.08	.19	.00	.02	.36	8.97	.39	20.19	6.42	1.29	19.22
117 Tobacco	2.97	2.38	2.18	.40	.08	.12	.00	.01	.18	4.34	.24	12.57	4.00	.80	11.86
118 OtherChem	2.83	2.27	2.08	.38	.05	.11	.00	.01	.18	4.13	.23	11.98	3.80	.77	11.38
119 Tyres	4.49	24.13	21.82	4.02	.58	1.18	.00	.15	.24	6.58	.30	16.16	5.14	1.03	15.38
120 Rubber&Cut	3.48	18.59	18.80	3.08	.43	.81	.00	.11	.16	4.29	.23	12.44	3.98	.80	11.84
121 Plastic&Obj	8.40	81.01	48.12	8.48	1.18	2.50	.00	.31	.51	11.79	.84	34.15	10.58	2.18	32.61
122 Jewellery	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
123 MusicalInst	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
124 Sport&Game	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
125 Office&Accor	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
126 Constructn	2.04	1.42	1.28	.24	.03	.07	.00	.01	.04	.86	.25	2.45	.78	.18	2.34
127 Commerce	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
128 Transport	15.24	10.73	9.70	1.79	.28	.58	.00	.07	.38	7.01	.38	20.91	6.48	1.30	19.33
129 Comm&Media	2.32	5.47	4.56	.91	.13	.27	.00	.08	.06	1.34	.07	3.87	1.23	.25	3.68
130 Building	75.00	68.08	60.67	9.89	1.31	2.74	.00	.36	1.09	29.83	1.30	89.03	21.98	4.42	85.71
131 Insurance	.11	.28	.26	.05	.01	.01	.00	.00	.00	.06	.00	.15	.05	.01	.14
132 City&Service	70.36	34.44	31.14	5.73	.81	1.68	.00	.21	1.28	29.01	1.58	84.03	28.73	5.38	79.99
133 PublicAdmn	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	737.47	1770.30	1800.80	894.72	41.41	88.87	.00	10.89	17.04	362.09	21.47	1138.48	362.18	72.85	1083.74
Value Added															
134 Labour	80.82	187.48	185.08	35.17	38.11	28.43	.00	4.48	10.24	83.75	5.94	129.41	83.88	11.81	72.72
135 Capital	46.80	114.24	177.33	16.31	8.15	6.61	.00	1.26	4.21	32.29	1.04	41.58	56.33	6.98	158.23
136 IndTax	40.54	136.42	211.75	12.31	6.15	11.47	.00	1.80	2.84	22.57	.72	29.05	39.37	4.89	86.61
Total	177.48	438.12	574.14	67.79	48.40	50.51	.00	7.24	17.39	138.61	7.70	200.02	179.58	23.78	307.56
Production															
137 Import	831.87	1197.55	1808.85	74.91	458.83	1893.02	872.71	125.22	216.67	415.37	38.21	323.70	1922.88	273.87	218.86
138 Tariff	108.24	486.48	851.89	63.01	121.82	22.88	338.99	45.08	80.97	189.47	17.40	168.60	673.15	152.09	87.33
139 Subsidy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total	681.22	1683.01	2158.24	137.92	580.14	1815.90	1310.80	170.28	307.05	614.84	55.61	492.39	2495.71	425.96	306.18
Marginal															
140 Total Resources	2275.30	4684.02	8018.98	801.15	698.48	1788.17	1010.80	194.11	380.31	1282.83	93.28	2174.26	3176.45	547.38	2054.40
OtherMach PhotoVehic Trucks&Tr MotorVeh Freight Car Ship&Bld Aeronut OilTran&Eq Radio&Gen Elec Exp SignalExp RadioTV OtherElec Comm&App ElectWire															

74 NonferMet	10.06	17.06	.22	.72	.09	.09	.87	.31	.07	.10	.19	.16	.09	.58	.08	
75 SteelCutlery	.47	.78	.02	.04	.01	.01	5.06	1.82	.39	.65	1.00	.85	.47	.22	.05	
76 MetalFurn	.28	.48	.01	.03	.00	.00	9.05	.99	.23	.40	.61	.52	.28	.14	.03	
77 Forged Tools	2.36	3.98	.08	.24	.00	.03	25.28	8.12	1.85	2.31	5.03	4.28	2.35	1.13	.25	
78 MetalPact	1.13	1.82	.04	.12	.01	.02	12.21	3.91	.84	1.59	2.42	2.06	1.13	.54	.12	
79 Wire	2.24	3.79	.07	.24	.00	.03	24.15	7.72	1.85	2.15	4.79	4.07	2.23	1.07	.23	
80 Pipe&Tub	.88	1.16	.02	.07	.01	.01	7.28	2.35	.57	.96	1.45	1.24	.68	.33	.07	
81 HomeUtens	.41	.69	.01	.04	.01	.01	4.41	1.41	.34	.57	.87	.74	.41	.20	.04	
82 ChnMetalPr	.48	.82	.02	.05	.01	.01	5.20	1.86	.40	.68	1.03	.88	.48	.23	.06	
83 Motor&Turb	.05	.09	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00	.00	.01	.00	
84 AgMach	.17	.29	.00	.00	.00	.00	.07	.02	.01	.01	.01	.01	.01	.01	.00	
85 MachMch	.11	.19	.00	.00	.00	.00	.05	.02	.00	.01	.01	.01	.01	.01	.00	
86 MinCairMch	.12	.21	.00	.00	.00	.00	.05	.02	.00	.01	.01	.01	.01	.01	.00	
87 SpecialMch	.10	.16	.00	.00	.00	.00	.04	.01	.00	.01	.01	.01	.01	.01	.00	
88 GenMch	.83	1.40	.00	.00	.00	.00	.34	.11	.03	.04	.07	.06	.03	.09	.02	
89 OtherMach	.68	1.15	.09	.06	.00	.00	.28	.09	.02	.04	.06	.05	.03	.07	.02	
90 PrivateVehic	.17	.29	.00	.00	.00	.00	7.48	2.26	.87	.97	1.48	1.28	.89	.00	.00	
91 Truck&B	.15	.25	.00	.00	.00	.00	6.52	2.09	.50	.85	1.29	1.10	.80	.00	.00	
92 MotorVeh	.02	.04	.00	.00	.00	.00	.95	.31	.07	.13	.19	.16	.08	.00	.00	
93 Freight Cars	.01	.01	.00	.00	.00	.00	.37	.12	.00	.04	.07	.06	.03	.00	.00	
94 Ship&Bo	.00	.00	.00	.00	.00	.00	.03	.01	.00	.00	.01	.00	.00	.00	.00	
95 Aircraft	.01	.02	.00	.00	.00	.00	.50	.16	.04	.08	.10	.08	.05	.00	.00	
96 OilTrac&Eq	.00	.00	.00	.00	.00	.00	.10	.03	.01	.01	.02	.02	.01	.00	.00	
97 Blast&Gen	1.65	2.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
100 Elec Exp	11.65	19.53	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
101 SignalExp	.98	1.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
102 RadioTV	24.93	42.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
103 ChnElecExp	8.70	16.41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
104 Comm&App	4.05	8.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
105 Elect Ware	14.58	24.87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
106 Batt Accum	4.27	7.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
107 Light&Eq	18.08	26.51	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
108 Weigh&Bat	.13	.22	2.22	7.49	.80	.87	.08	.00	.00	.00	.00	.00	.00	.01	.00	
109 Free Int	.08	.13	1.32	4.48	.54	.58	.00	.00	.00	.00	.00	.00	.00	.01	.00	
110 PhotoProd	.05	.11	1.13	3.78	.48	.49	.00	.00	.00	.00	.00	.00	.00	.01	.00	
111 Weathe	.01	.02	.24	.83	.10	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	
112 Chemical	10.68	17.89	.00	.00	.00	.00	843.88	301.86	72.48	122.84	187.05	155.15	87.27	113.87	24.80	
113 Fertil&Pest	.24	.41	.00	.00	.00	.00	21.46	6.87	1.86	2.80	4.28	3.82	1.99	2.59	.57	
114 Resins	3.28	5.88	.00	.00	.00	.00	348.88	110.84	28.84	45.19	68.74	58.48	32.07	41.77	9.18	
115 Paint	2.90	4.74	.00	.00	.00	.00	250.89	80.16	18.25	32.55	49.87	42.25	23.17	30.18	6.81	
116 Pharm&Med	4.41	7.43	.00	.00	.00	.00	393.99	139.89	38.28	51.32	78.07	55.42	36.42	47.44	10.39	
117 Talc&Z	2.74	4.64	.00	.00	.00	.00	248.28	78.45	18.84	31.95	48.51	41.35	22.68	29.54	5.47	
118 OtherChem	2.61	4.42	.00	.00	.00	.00	233.37	74.83	17.82	30.49	45.25	39.34	21.59	28.10	6.16	
119 Tyres	3.53	5.97	.00	.00	.00	.00	15.55	4.97	1.19	2.03	3.08	2.52	1.44	3.40	.75	
120 RubberObj	2.71	4.59	.00	.00	.00	.00	11.87	3.93	.92	1.58	2.37	2.02	1.11	2.82	.57	
121 PlasticObj	7.45	12.61	.00	.00	.00	.00	33.87	10.51	2.62	4.28	6.51	5.54	3.04	7.20	1.58	
122 Jewelry	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
123 MusicalInst	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
124 Sport&Game	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
125 OfficeEquip	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
126 Construct	.84	.91	.00	.00	.00	.00	22.43	7.17	1.72	2.92	4.44	3.78	2.07	1.42	.31	
127 Cons&Ware	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
128 Transport	4.43	7.80	.15	.53	.06	.07	406.36	140.19	33.68	57.10	86.87	73.80	40.63	5.65	1.24	
129 Communica	.84	1.43	.08	.21	.09	.03	18.80	6.01	1.44	2.45	3.73	3.17	1.74	1.54	.34	
130 Banking	15.07	26.48	1.39	5.35	.64	.70	208.10	65.61	15.83	26.85	40.84	34.75	19.09	27.38	5.00	
131 Insurance	.00	.05	.00	.00	.00	.00	4.80	1.53	.37	.63	.85	.81	.44	.14	.03	
132 OtherSrvcs	16.34	31.03	.81	2.94	.25	.27	684.20	198.83	44.88	76.10	115.77	98.49	54.01	33.42	7.22	
133 Pub&Adm	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
Total	248.53	420.44	10.81	34.70	4.18	4.51	7208.53	2305.40	553.80	839.04	1428.55	1215.28	686.49	504.51	130.28	
Value Added																
134 Labour	33.05	71.20	9.20	18.68	2.18	1.04	428.47	278.86	100.32	166.62	318.82	187.67	121.83	155.36	36.88	
135 Capital	21.21	54.88	4.86	7.04	.97	.32	455.45	142.37	108.58	84.76	138.21	135.04	81.10	155.89	10.83	
136 IndTax	15.31	38.34	4.59	8.04	.95	.51	205.80	82.81	63.24	55.00	80.51	78.86	47.25	124.95	8.89	
Total	70.27	164.89	18.68	33.80	4.11	2.07	1150.53	504.17	281.13	315.59	538.54	401.57	250.28	437.17	56.89	
Production																
137 Import	58.53	264.52	890.40	531.88	143.55	20.98	1897.75	730.51	1399.80	500.42	703.53	186.87	739.82	97.88	478.18	
138 Tariff	41.24	175.05	277.42	179.50	78.71	8.58	554.40	144.80	545.70	169.83	219.70	135.43	334.75	78.08	163.12	
139 Subsidy	.00	.00	.00	.00	.00	.00	-109.55	-39.57	-75.45	-38.97	-37.81	-9.88	-39.87	.00	.00	
Total	99.77	429.59	867.82	711.45	222.29	29.54	2416.09	855.74	1871.11	633.37	885.12	293.12	1034.70	175.77	641.28	
740 Margins																
Total Resources	800.36	1184.82	281.82	881.51	255.06	55.59	12957.18	4578.84	2823.88	2218.45	3385.58	2331.69	2100.74	1476.01	876.50	
100	107	282	788	178	117	113	117	114	116	118	119	117	119	119	120	
Met Acct	Light&Eq	Weigh&Bat	Free Int	PhotoProd	Weathe	Chemical	Fertil&Pest	Resins	Paint	Pharm&Med	Talc&Z	OtherChem	Tyres	RubberObj		

	127	128	129	130	131	132	133	134	135	136	137	138	139	Total	PerCen	
1 HardWheat	.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	26.95	1.29	866.84	5848.71	
2 SoftWheat	4.78	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	184.41	8.81	3808.11	4228.48	
3 Barley	1.80	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	87.78	2.70	1245.04	3585.40	
4 Maize	.83	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00	32.01	1.48	688.18	751.41	
5 Rice	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	13.78	132.32	
6 Legumes	.06	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	3.18	.15	107.58	1032.86	
7 SugarBeets	.69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	34.42	1.61	925.82	.00	
8 SugarCane	.22	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	8.48	.40	328.88	.00	
9 Oilseeds	.48	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	18.71	.78	443.81	684.48	
10 RawFibre	.22	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	8.34	.39	170.77	.00	
11 Vegetables	.34	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	12.12	.61	514.78	4843.00	
12 Alkali	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.30	.00	
13 Berseem	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.19	
14 Citrus	.07	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	2.71	.13	103.34	992.42	
15 Dates	1.83	.00	.00	.00	.00	.00	.24	.00	.00	.00	.00	70.41	3.28	1477.68	.00	
16 Grapes	.06	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	2.14	.10	54.06	519.22	
17 Dates	.10	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	3.74	.18	88.26	843.68	
18 Almonds	.17	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	6.88	.31	184.42	1771.18	
19 OtherFruit	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.02	36.61	734.37	
20 OilAgri	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.01	101.33	873.20	
21 Livestock	6.72	.00	.00	.00	.00	.00	.88	.00	.00	.00	.00	258.08	12.10	8069.48	14430.19	
22 Forestry	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.35	.02	31.82	497.87	
23 Feeding	.08	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	1.80	.08	183.08	1488.26	
24 Phosphate	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3384.13	.00	
25 NonFertil	.00	.00	.00	.00	.00	817.87	.00	6.31	.00	.00	.00	3.23	10.18	3868.90	.00	
26 NonFert	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.04	.00	
27 CrudePetrol	.00	.00	.00	.00	.00	38.48	.00	36.61	.00	.00	.00	1208.30	127.84	12010.41	745.00	
28 RefinPetrol	11.11	.41	.00	.11	1.83	701.78	189.99	1143.73	68.84	207.18	32.88	1484.36	884.21	10136.72	8574.80	
29 Electricity	18.21	.11	.00	.03	.83	44.00	80.08	65.81	.00	20.88	303.00	17.90	868.88	181.20	8780.71	9068.20
30 Milling	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	488.88	6.87	1887.60	8723.08	
31 Baking	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	53.80	.70	222.38	782.00	
32 RefinSugar	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	420.00	6.18	1717.41	5810.49	
33 Candy	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	27.38	.40	110.93	377.01	
34 Perfumery	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	36.92	.82	182.04	1886.97	
35 Meat Proc	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.69	.08	11.80	101.84	
36 FoodProc	.00	.00	.00	.00	.00	.00	.00	1.14	.00	.00	.00	83.39	2.14	328.03	2470.60	
37 MilkVgByPr	.00	.00	.00	.00	.00	.00	.00	1.46	.00	.00	.00	108.14	2.72	485.12	4247.03	
38 FoodProcessed	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	12.21	.31	74.73	865.08	
39 OthFoodProc	.00	.00	.00	.00	.00	.00	.00	.79	.00	.00	.00	87.88	1.48	240.17	2104.58	
40 Animal Feed	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	2.82	.07	113.80	898.00	
41 Brewing	.00	.00	.00	.00	.00	.00	.00	12.78	.00	.00	.00	613.31	3.64	748.79	827.74	
42 Wine	.00	.00	.00	.00	.00	.00	.00	8.80	.00	.00	.00	457.57	2.72	683.07	980.84	
43 Spices	.00	.00	.00	.00	.00	.00	.00	1.84	.00	.00	.00	78.91	.47	85.50	67.55	
44 NonAlbev	.00	.00	.00	.00	.00	.00	.00	13.19	.00	.00	.00	835.81	3.77	788.12	843.82	
45 Tobacco	.00	.00	.00	.00	.00	.00	.00	53.83	.00	.00	.00	2583.98	15.34	3120.34	2205.08	
46 W&AInFr	25.48	.11	.00	.08	.51	.00	28.12	.00	.00	.00	.00	68.94	3.28	1448.20	112.18	
47 Cotton	134.83	.84	.00	.16	2.58	.00	138.27	.00	.00	.00	.00	301.82	43.86	7870.88	584.22	
48 Silk	47.08	.20	.00	.08	.94	.00	48.33	.00	.00	.00	.00	105.35	1.63	2478.24	207.58	
49 OthTextile	37.32	.14	.00	.04	.74	.00	38.29	.00	.00	.00	.00	83.48	12.14	2156.68	187.08	
50 Handmade	21.26	.08	.00	.08	.42	.00	21.82	.00	.00	.00	.00	47.57	6.82	1323.68	102.63	
51 Carpets	5.81	.02	.00	.01	.11	.00	5.78	.00	.00	.00	.00	15.58	1.83	336.27	28.06	
52 Hosiery	20.29	.08	.00	.02	.40	.00	20.83	.00	.00	.00	.00	45.40	6.80	1219.36	84.48	
53 Shirts	.00	.00	.00	.00	.00	.00	.00	.15	.10	.32	.00	.10	.84	3.14	866.48	
54 Trussers	.00	.00	.00	.00	.00	.00	.00	.34	.80	1.88	.00	.58	4.77	20.48	4349.01	
55 TailorGerm	.00	.00	.00	.00	.00	.00	.00	.81	.37	1.12	.00	.58	2.83	7.57	1807.08	
56 Tanning	58.36	.00	.00	.00	.00	.00	.00	81.78	.00	.00	.00	.00	788.88	3442.81	759.12	
57 LeatherGuds	34.42	.00	.00	.00	.00	.00	.00	37.73	.00	.00	.00	.00	482.98	2220.08	486.55	
58 Shoes	88.91	.00	.00	.00	.00	.00	.00	73.34	.00	.00	.00	.00	837.72	4127.28	910.10	
59 Lumber	.00	.18	.00	.06	.80	480.28	303.86	1.84	.00	.00	.00	718.50	47.33	2140.80	618.96	
60 VeneerPanel	.00	.07	.00	.02	.31	181.95	148.21	.88	.00	.00	.00	287.03	17.57	817.31	187.34	
61 WoodFrtMbl	.08	.06	.00	.02	.26	148.23	118.12	.84	.00	.00	.00	217.64	14.31	865.08	180.88	
62 WoodPack	.00	.06	.00	.01	.25	147.38	118.41	.58	.00	.00	.00	214.28	14.29	888.84	186.83	
63 Furniture	.00	.08	.00	.02	.40	234.73	188.88	.88	.00	.00	.00	344.48	22.88	1025.91	247.81	
64 OtherWood	.00	.02	.00	.01	.11	85.88	62.94	.24	.00	.00	.00	86.88	8.36	288.88	89.78	
65 PlywdrDtbl	1.52	.11	.00	.08	.58	7.65	114.71	7.84	8.74	275.93	35.08	208.17	62.68	1687.09	322.75	
66 PaperPr	2.73	.20	.00	.08	.85	13.78	205.87	14.30	12.18	467.18	83.20	375.87	84.82	2924.68	680.00	
67 Printing	1.97	.14	.00	.04	.68	8.82	148.82	10.30	8.75	367.88	45.81	270.08	84.35	1841.24	385.88	
68 Ceramics	.44	.17	.00	.06	.83	785.77	.00	4.74	1.82	.00	.00	88.78	33.88	1908.20	44.21	
69 Glass	.36	.14	.00	.04	.67	638.81	.00	3.83	1.48	.00	.00	56.71	31.81	1068.43	38.01	
70 Stone	.27	.11	.00	.00	.51	485.07	.00	2.83	1.13	.00	.00	43.07	24.01	837.80	28.29	
71 CeramPnt	1.88	.87	.00	.19	3.20	3039.44	.00	18.34	7.08	.00	.00	288.90	150.44	5063.68	170.97	
72 Oth Applm	.88	.27	.00	.08	1.30	1235.09	.00	7.46	2.87	.00	.00	108.88	61.13	2057.60	69.47	
73 Marble	.27	.11	.00	.00	.52	488.78	.00	3.85	1.14	.00	.00	43.48	24.24	815.84	27.65	
74 Abrasives	.41	.18	.00	.06	.78	741.14	.00	4.47	1.72	.00	.00	66.81	38.88	1234.08	41.88	
75 Non-Metal	3.47	38.82	.00	10.80	183.32	1338.81	.00	16.28	.00	.00	.00	103.84	.00	7084.87	.00	

	Investment	VerGovt Government	Expn	Total Inv	
1 HardWheat	.00	-1194.08	.00	.02	5381.49
2 SoftWheat	.00	-1192.50	.00	.27	5049.45
3 Barley	.00	-850.89	.00	5.82	3968.18
4 Malt	.00	-220.79	.00	.03	1188.80
5 Rice	.00	-2.89	.00	.00	143.21
6 Legumes	.00	-223.44	.00	128.18	1045.11
7 SugarBeets	.00	.00	.00	.00	928.82
8 SugarCane	.00	.00	.00	.00	228.96
9 Oilseeds	.00	.00	.00	14.07	1042.37
10 RowCrop	.00	.00	.00	.00	170.77
11 Vegetables	.00	.00	.00	690.82	6152.50
12 Alfalfa	.00	.00	.00	.00	2.30
13 Sorghm	.00	.00	.00	.00	1.19
14 Citrus	.00	.00	.00	1386.50	2492.28
15 Citrus	.00	.00	.00	1.83	1478.36
16 Grapes	.00	.00	.00	5.38	878.84
17 Dates	.00	.00	.00	4.14	1048.07
18 Almonds	.00	.00	.00	98.02	1004.48
19 OtherFruit	.00	.00	.00	20.10	791.09
20 OthAgri	38.27	.00	.00	595.62	1706.43
21 Livestock	662.20	.00	.00	2.17	24094.02
22 Forestry	662.19	.00	.00	.40	1412.08
23 Fishing	.00	.00	.00	2718.89	4449.22
24 Phosphates	.00	-175.30	.00	3600.00	6829.83
25 NonMetMin	.00	117.70	.00	292.89	4276.48
26 MetalMn	.00	23.00	.00	1208.50	1238.54
27 CrudePetrol	.00	272.80	.00	.02	13029.43
28 RelsPetrol	.00	69.70	.00	1250.04	18000.26
29 Electricity	.00	14.40	.00	.00	6993.31
30 Mining	.00	-101.44	.00	.04	8555.21
31 Mining	.00	-3.17	.00	2.27	988.51
32 RefinSugar	.00	-115.18	.00	33.29	7445.94
33 Candy	.00	7.27	.00	2.70	496.81
34 ProFMAVeg	.00	151.35	.00	1721.91	3951.26
35 Meat Proc	.00	7.23	.00	32.12	187.98
36 ProdDairy	.00	12.28	.00	.13	3211.22
37 IntVegPro	.00	218.23	.00	382.06	5340.44
38 ProdSeafood	.00	-64.98	.00	1815.48	2290.25
39 OthFoodPro	.00	-131.55	.00	76.79	2269.09
40 Animal Feed	.00	97.04	.00	11.72	1218.98
41 Brewing	.10	189.88	.00	.28	1484.75
42 Wine	.08	167.87	.00	45.84	1187.70
43 Spirits	.00	.57	.00	3.16	165.90
44 NonAlbev	.08	-38.38	.00	2.42	1275.07
45 Tobacco	1.84	521.78	.00	.80	3849.72
46 WSAWhinFb	2.47	44.98	.00	35.81	1843.72
47 Cotton	13.50	288.48	.00	538.62	9101.50
48 Silk	3.28	110.16	.00	233.21	3233.44
49 OthTextile	2.51	68.74	.00	188.88	2503.58
50 Haberdash	80.33	48.75	.00	168.90	1711.44
51 Carpets	1.50	18.92	.00	458.63	840.76
52 Hosiery	5.76	76.99	.00	2008.83	3406.18
53 Shirts	.06	-87.67	.00	748.00	1020.08
54 Trousers	.55	-12.05	.00	3287.83	7842.83
55 TatterGerm	.10	-142.87	.00	.00	1471.88
56 Tanning	.03	440.54	.00	140.41	4782.71
57 Lath&Slat	.23	294.11	.00	141.22	3133.19
58 Shoes	.04	514.98	.00	722.75	6273.02
59 Lumber	43.60	.14	.00	2.29	2702.61
60 VeneerPanel	58.19	47.03	.00	105.87	1224.65
61 WoodFrmMh	48.22	19.79	.00	4.80	894.45
62 WoodPack	48.30	18.10	.00	1.75	922.04
63 Furniture	66.53	32.86	.00	21.80	1380.72
64 OtherWood	31.88	21.44	.00	216.00	628.18
65 Pulp&Paper	.09	508.28	.00	411.35	2800.37
66 PaperPr	.03	488.73	.00	79.04	4032.68
67 Printing	.14	-286.89	.00	11.78	2091.89
68 Containers	14.83	254.20	.00	39.87	1882.11
69 Glass	69.88	180.01	.00	70.24	1382.58
70 Stones	1.82	94.71	.00	43.33	1005.75
71 Cer&SPat	13.04	706.54	.00	26.81	8010.10
72 Oth Aggton	3.55	-318.38	.00	28.35	1942.55
73 Marble	3.12	181.86	.00	6.81	1014.48
74 Abrasives	3.74	-4.55	.00	11.58	1298.02
75 Iron&Steel	125.43	337.80	.00	169.81	7886.71

76 NonferMet	35.87	148.70	.00	92.84	2129.07
77 SteelCntry	198.77	-4.18	.00	30.02	761.88
78 MetalFurnl	16.27	34.82	.00	4.82	416.77
79 Forged Tools	59.52	238.27	.00	.30	2282.37
80 MetalPack	221.14	329.34	.00	9.89	2007.53
81 Wire	48.58	211.81	.00	6.50	2108.48
82 Pipes&Tube	57.67	-44.89	.00	13.63	882.88
83 HomeUtensl	22.26	83.04	.00	48.40	603.70
84 OthMetalPr	38.61	37.88	.00	21.60	702.04
85 Motor&Turb	148.01	77.87	.00	.01	248.87
86 AgMach	885.87	-182.86	.00	.92	657.93
87 MetWchMch	776.17	2.36	.00	2.48	913.70
88 MtrCntrlMch	888.02	2.67	.00	2.88	843.32
89 SpecnmMch	1831.54	-22.84	.00	35.48	2090.80
90 GenlMch	2465.17	27.07	.00	58.67	2587.45
91 OthMch	1234.71	153.63	.00	7.14	2275.30
92 PrivateVehic	861.09	281.17	.00	88.00	4582.09
93 Trucks&Tr	1971.07	3.68	.00	210.61	3015.98
94 Motorcycles	104.68	70.09	.00	7.79	801.15
95 Freight Cars	628.39	9.20	.00	.07	898.48
96 Ship&Bld	1626.01	28.82	.00	74.02	1798.17
97 Aircraft	1094.58	.00	.00	.62	1310.80
98 OthTrans&Eq	145.39	4.75	.00	.27	194.11
99 Nonmetal Gen	284.32	-28.80	.00	1.13	350.31
100 Elec Eq	686.27	-80.41	.00	24.67	1282.83
101 SignalEq	23.65	4.34	.00	8.44	93.26
102 RadioTY	581.88	189.47	.00	12.98	2174.27
103 OthEleEq	1845.42	-189.43	.00	872.82	3178.46
104 DomestAppl	285.18	1.38	.00	28.48	547.39
105 Elect Wire	910.15	205.98	.00	108.28	2064.40
106 Bldg Acum	188.12	82.08	.00	1.78	500.35
107 LightEquip	278.10	4.30	.00	15.07	1184.82
108 Weigh&Meas	834.13	-25.18	.00	7.51	981.62
109 Prec Met	908.87	-44.38	.00	17.25	981.81
110 PhotoProd	177.21	-7.80	.00	1.78	265.08
111 Watches	38.48	-8.64	.00	4.08	65.59
112 Chemicals		1114.18	.00	2938.89	12857.21
113 FerMetProd		-361.43	.00	3399.01	4378.54
114 Plastics		-343.16	.00	70.80	2823.68
115 Paint		-142.86	.00	16.38	2215.44
116 Pharmaceut		-562.39	.00	188.37	3265.99
117 Tobacco		-85.38	.00	118.27	2331.68
118 OtherChem		-98.01	.00	101.73	2198.74
119 Tyres	420.64	-11.00	.00	(09.20)	1478.02
120 RubberObj	140.72	7.49	.00	32.91	878.51
121 PlasticObj	517.24	218.51	.00	82.44	2845.11
122 Jewellery	80.80	-2.48	.00	5.37	267.66
123 MusicalInst		.00	.00	2.37	8.28
124 SportGoods	25.18	-.24	.00	7.75	164.84
125 OfficeEquip	377.43	-37.79	.00	288.21	1301.22
126 Constructn	25142.10	.00	.00	.00	29316.11
127 Commerce	.00	.00	.00	.00	.00
128 Transport	.00	.00	.00	2831.10	16188.04
129 Communicn	.00	.00	.00	25.90	3880.32
130 Banking	.00	.00	.00	.00	12836.06
131 Insurance	.00	.00	.00	88.50	1848.40
132 OthServices	.00	.00	.00	2956.40	68318.77
133 PublicAdmin	.00	.00	.00	32878.00	34513.80
Total	51004.60	2575.40	32878.00	40820.77	

Value Added

134 Labour	
135 Capital	
136 IndTax	
Total	

Production

137 Import	
138 Tariff	
139 Subsidy	
Total	

Margins

Total Resources

Investment	Variable Government	Exports	Total Users
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IV. AN OVERVIEW OF MOROCCAN ECONOMIC STRUCTURE AND LINKAGES

A. General Economic Structure

This section presents a survey of the sectoral structure of the 1990 Moroccan economy, with special attention to the composition of production, demand, factor income, and trade. In order to summarize the information contained in the detailed Input-Output table, a more aggregated table was constructed. This partial aggregation details all 23 agriculture sectors while the remaining 32 sectors correspond to the Ministry of Industry table.

The basic structural information is presented in Table 13 below. Columns 1, 2, 3, 4 and 5 cover Gross Output, Value Added, Domestic Demand, Import and Export shares respectively. At a more aggregate level, note that Agriculture provides 12 per cent of total Gross Production and almost 20 per cent of total Value Added, while for Industrial sectors the corresponding figures are 33 per cent and 20 per cent and for Services, 47 per cent and 52 per cent respectively. Domestic Demand almost 20 per cent Agricultural products, 37 per cent for Industrial goods (note that the highest shares are for food processed products) and 40 per cent for services. As far as trade is concerned, Morocco is much more export-dependent than import-dependent in Agriculture, with particularly high dependence on tree crops like Citrus (3.4 per cent) and on Fishing (6.7 per cent). Note the high export share of Phosphates (8.8 per cent), and that export shares for the first 6 industries (Food, Textiles, Leather, etc.) are higher than their import shares, while the reverse is true for the heavy industries and equipment. As one would expect for a country in the intermediate stages of industrialization, overall import shares are highest in Manufactures.

The next column captures the ratios of labor to capital Value Added in percentage terms. These ratios grow, although not smoothly, from 57 per cent for Agriculture⁴¹ to 152 per cent for Industry to 291 per cent for Services. Note that the capital component of value added dominates in the Refined petroleum sector and while that of labor predominates in the Public Administration sector.⁴²

Columns 7 and 8 measure trade dependence: exports as a share of gross output and imports as a share of demand, respectively. Import dependence is generally higher than export dependence. As expected, for Agriculture the most export-intensive sectors are Citrus (69 per cent) and Fishing (75 per cent) which together account for almost three quarters of total agricultural exports. More import

dependence is recorded for Cereals. The highest import dependence rates are for minerals (excluding Phosphates) crude oil and Metal Industry.

The last six columns show the regional pattern of Moroccan imports and exports.⁴³ It is interesting to note that for Agriculture, Morocco relies on import supply (4.8 per cent of total import) mainly from the ROW region, whereas its main export market is the European Community. A liberalization of agricultural trade with the latter region might thus entail substantial gains for Morocco. For Industry, Moroccan dependence upon the EEC is at almost the same level for imports and exports. Note, finally, that the third region (non-EEC European countries) currently accounts for a relatively small proportion of Moroccan trade, except for imports of industrial sectors (11 per cent).

Table 13: Sectoral Structure of Output, Demand, and Income
(all figures in percentages)

	X	VA	D	M	E	VW	E/X	M/D	MecM	MraM	MrvM	EscE	EreE	ErwE
HardWheat	1.0	1.6	2.0	0	0	19	0	0	100	0	0	0	0	100
SoftWheat	1.1	1.6	1.3	1.8	0	19	0	46	51	0	49	0	0	100
Barley	.8	1.1	1.2	0	0	19	0	1	53	0	47	0	0	100
Maize	2	.3	.2	2	0	19	0	31	1	0	99	0	0	100
Rice	0	0	.1	2	0	25	0	100	3	0	97	0	0	0
Legumes	2	.3	.3	0	3	22	15	1	95	5	0	47	0	53
SugarBeets	2	.3	0	0	0	71	0	0	0	0	0	0	0	0
SugarCane	0	.1	0	0	0	71	0	0	0	0	0	0	0	0
OilSeeds	2	.3	.3	.1	0	30	2	17	70	8	22	42	0	57
RawFibre	0	0	0	0	0	66	0	0	0	0	0	0	0	0
Vegetables	1.1	1.7	2.1	3	1.7	22	14	4	98	0	2	97	1	2
Alfalfa	0	0	0	0	0	11	0	0	0	0	0	0	0	0
Beraim	0	0	0	0	0	11	0	0	0	0	0	0	0	0
Citrus	.5	.7	.4	0	3.4	36	69	0	0	0	0	73	15	12
Olives	.3	.4	0	0	0	36	0	0	0	0	0	51	0	49
Grapes	.1	.2	.2	0	0	36	1	1	100	0	0	19	0	81
Dates	2	.3	.4	0	0	36	0	1	0	0	100	100	0	0
Almonds	.4	.6	.8	0	.1	31	2	0	0	0	100	85	3	11
OtherFruit	.1	.2	.3	0	0	34	3	5	3	29	68	76	2	22
OthAgn	0	0	.4	2.0	1.5	78	446	153	3	0	97	73	5	22
Livestock	4.6	6.9	6.5	.1	0	133	0	0	63	32	5	19	0	61
Forestry	2	.4	.6	.2	0	93	0	10	3	0	97	90	0	10
Fishing	.8	1.3	.7	0	6.7	30	75	0	58	18	25	60	1	40
TotAgric	12.1	18.4	17.8	4.8	13.8	57	0	9	29	1	70	69	5	25
Phosphates	1.6	2.3	-.1	0	8.8	65	63	0	0	0	0	46	22	32
NonMetMin	2	.1	.1	4.2	.7	65	32	2844	26	17	57	42	29	30
MetMin	2	.3	0	.4	3.0	345	130	1342	43	5	53	77	10	13
CrudePetrol	.1	.1	.4	16.2	0	209	0	1254	3	11	86	0	0	100
RefinPetrol	3.6	3.5	2.8	1.5	3.1	3	8	18	65	2	33	63	0	17
Electricity	1.6	3.1	1.3	0	0	48	0	0	0	0	0	0	0	0
MilConf	3.7	.8	5.8	1.7	.1	241	0	10	24	0	76	85	0	15
FoodProc	3.3	1.7	5.5	2.4	9.4	240	27	14	55	16	29	75	3	23
BevTobac	1.8	2.7	2.0	.9	.1	88	1	16	42	0	57	68	0	32
Textiles	3.3	1.5	.9	7.1	8.9	112	26	272	69	6	26	78	2	20
Clothes	2.1	1.9	2.7	.1	9.9	164	45	1	67	2	32	93	0	7
LeatherShoes	3.2	3.8	1.6	.5	2.5	224	7	11	89	0	10	73	1	26
Wood	1.0	.9	.8	2.7	.9	157	8	121	29	39	32	63	18	20
Paper	1.5	.7	.8	2.4	1.2	136	6	97	53	42	5	60	9	31
QuarrMin	2.9	1.7	.7	1.6	.6	67	2	80	74	10	16	40	3	68
MetInd	.9	.4	.4	6.8	.6	237	7	637	73	9	18	69	1	29
MetObj	1.9	.9	1.1	2.8	.3	98	2	83	82	4	14	37	0	63
Equipm	.4	.3	3.6	9.4	.3	277	6	86	80	12	8	47	4	49
TranspMat	1.2	.6	3.2	9.7	.9	151	7	102	69	6	25	62	8	30
ElectMat	1.1	.6	2.9	6.6	3.1	141	26	78	70	9	20	77	0	22
Preclnat	0	0	.9	2.3	.1	243	27	68	70	6	23	41	12	46
Chemicals	4.2	1.8	3.0	10.5	16.7	139	38	119	75	12	13	38	11	52
Rubber	.7	.4	.7	1.8	.5	139	7	82	75	5	19	49	0	51
OthInd	2	.1	.6	.6	.1	181	8	33	70	3	26	71	0	28
TotManuf	33.4	20.6	37.1	69.9	56.2	162	0	64	69	11	20	66	5	30
Constructn	6.9	5.3	11.2	0	0	382	0	0	0	0	0	0	0	0
Commerce	8.9	11.9	0	0	0	135	0	0	0	0	0	0	0	0
Transport	3.4	6.3	1.6	.7	6.9	156	19	14	0	0	0	0	0	0
Communicn	.9	1.8	.4	0	.1	66	1	2	0	0	0	0	0	0
Banking	3.0	3.3	.2	0	0	78	0	0	0	0	0	0	0	0
Insurance	.4	0	.5	0	.2	98	5	3	0	0	0	0	0	0
OthServices	15.6	11.5	12.0	2.2	7.2	275	4	6	0	0	0	0	0	0
PublicAdmtn	8.1	12.6	14.8	0	0	52665	0	0	0	0	0	0	0	0
Tot Services	47.3	61.6	60.6	3.0	14.5	291	0	2	0	0	0	0	0	0
Total	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	0	0	0	0

B. Some Preliminary Multiplier Estimates

As economies go through the transition from predominately agrarian activities to greater diversification and increased reliance on income from manufacturing and modern tertiary sectors, extensive structural adjustments take place. When this kind of development transition proceeds smoothly, it is largely mediated by direct and indirect linkages between agricultural and non-agricultural activities. The new Moroccan Input-Output table reveals the structure of the economy's agricultural production, as well as direct links to other sectors, at an unprecedented level of detail. In this section, multiplier decomposition methods will be applied to look behind the direct linkages at the myriad of transmission mechanisms which relate rural and urban incomes to one another. These linkages can be expected to play a key role in the course of Morocco's development during the next decade.

To sharpen the focus on Ag/N-Ag linkages, a method of regional multiplier analysis developed by Round (1982) will be applied to the table. Consider the aggregated Input-Output table of the last section, partitioned into n agricultural activities, m non-agricultural activities, k value added categories, and f final demand components. This table takes the form

$$T = \begin{bmatrix} T_{nn} & T_{nm} & T_{nf} \\ T_{mn} & T_{mm} & T_{mf} \\ T_{vn} & T_{vm} & 0 \end{bmatrix} \quad (1)$$

When this transactions table is column normalized, the following accounting identity holds:

$$\begin{aligned}
y = \begin{bmatrix} y_n \\ y_m \end{bmatrix} &= Ay + x = \begin{bmatrix} A_{nn} & A_{nm} \\ A_{mn} & A_{mm} \end{bmatrix} \begin{bmatrix} y_n \\ y_m \end{bmatrix} + \begin{bmatrix} A_{nn}e_n \\ A_{mn}e_m \end{bmatrix} \\
&= (B+C)y + x = \left(\begin{bmatrix} A_{nn} & 0 \\ 0 & A_{mm} \end{bmatrix} + \begin{bmatrix} 0 & A_{nm} \\ A_{mn} & 0 \end{bmatrix} \right) y + x \\
&= (I-B)^{-1}Cy + (I-B)^{-1}x \\
&= (I - (I-B)^{-1}C)^{-1}(I-B)^{-1}x \\
&= (I-D)^{-1}(I-B)^{-1}x \\
&= (I-D^2)^{-1}(I+D)(I-B)^{-1}x \\
&= M_3M_2M_1x \\
&= M \tag{2}
\end{aligned}$$

In this multiplicative decomposition of the matrix M , the three factor matrices each represent different components of the economywide income generation process. The first matrix,

$$M_1 = (I-B)^{-1} = \begin{bmatrix} M1_{nn} & 0 \\ 0 & M1_{mm} \end{bmatrix} \tag{3}$$

gives the so-called own-effect multipliers. This matrix details linkages within the agricultural and non-agricultural groups. The second matrix represents the first order indirect effects, i.e.

$$M_2 = (I+D) = I + (I-B)^{-1}C = \begin{bmatrix} I & M1_{nn}A_{nm} \\ M1_{mn}A_{mn} & I \end{bmatrix} \tag{4}$$

These are composed of open-loops or direct transfers from outside the economy (represented by the identity matrix I , and first round indirect transfers given by the off-diagonal expenditure coefficients in B , plus their cumulative within-group effects, represented by the multiplier matrix $(I-B)^{-1}$. Finally, the third factor matrix is composed of so-called closed loops, i.e.

$$M_3 = (I - D^2)^{-1} = \begin{bmatrix} I - D_{12}D_{21} & 0 \\ 0 & I - D_{21}D_{12} \end{bmatrix}^{-1} \quad (5)$$

This matrix traces the income linkages which originate within each group, are transmitted to the second group by first order links and, after running their course in the second group, return to the first to complete a closed loop. Taken together, the three factor matrices account for all the income linkages endogenous to the economy in question, decomposing them according to origin and destination in agriculture and non-agriculture.

The product factorization in equation (2) is mathematically intuitive, but the role numerical estimates in a matrix product are quite difficult to interpret. For this reason, the Moroccan Input-Output table will be decomposed in an additive manner which, subtracting the identity matrix to evaluate only endogenously generated income, takes the form

$$\begin{aligned} M - I &= M_3 M_2 M_1 - I \\ &= (M_3 - I)M_2 M_1 + (M_2 - I)M_1 + M_1 - I \\ &= N_3 + N_2 + N_1 - I \end{aligned} \quad (6)$$

The following six tables summarize the decomposition results. Noting that all three factor matrices are either block diagonal or block off-diagonal, each can be more succinctly represented by two submatrices. Tables 14 and 15 correspond to the two diagonal blocks of the own effects matrix N_1 , Table 16 and 17 to the off-diagonal blocks of N_2 , and Tables 18 and 19 to the diagonal blocks of N_3 , respectively. The units of the tables are percentages of any initial injection from exogenous sources.

Table 14: Agricultural Own Effects - N188

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1 HardWheat	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2 SoftWheat	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	
3 Barley	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4 Maize	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5 Rice	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6 Legumes	.0	.0	.0	.0	.0	.5	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
7 SugarBeets	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8 SugarCane	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
9 OilSeeds	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
10 RootTubers	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11 Vegetables	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	1.7	.0	.0	1.8	1.8	1.8	1.8	1.7	.2	.0	.2	.0	.0	.0
12 Alkali	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13 Beans	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14 Citrus	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0
15 Olives	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16 Grapes	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0
17 Dates	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18 Almonds	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0
19 OtherFruit	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.0	.1	.0	.1	.1	.1	.1	.1	.1	.2	.0	.1	.0	.0
20 OtherAgri	.2	.1	.2	.1	.0	.3	.1	.1	.0	.2	.0	.0	.3	.3	.3	.3	.3	.3	.2	.3	.0	.1	.0	.0
21 Livestock	3.7	2.4	3.7	2.9	.0	1.9	.0	.0	1.2	1.1	1.6	2.7	2.7	1.5	1.5	1.4	1.4	1.5	.4	.0	13.0	.2	.0	.0
22 Forestry	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	1.7	.1
23 Fishing	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0

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Table 15: Non-Agricultural Own Effects - Nimm

	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	
24 Phosphates	.4	.1	.4	.0	.0	.0	.2	.5	.2	.2	.1	.0	.1	.9	.3	.0	.3	.0	.1	.3	.0	10.1	1.7	.2	.4	.3	.2	.0	.3	.6	1.1	.2	
25 NonMetalMin	.2	.5	.3	.0	.0	.0	.2	.3	.2	.1	.1	.0	.1	.8	6.9	.1	.3	.1	.1	.2	.0	6.2	1.0	.2	5.2	.2	.2	.1	.3	.6	.9	.3	
26 MetalMin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
27 CrudePetrol	3.7	.5	.9	.1	43.2	6.3	10.5	1.2	.9	.3	.2	.0	.2	2.1	6.3	2.2	1.9	.3	.3	1.0	.0	1.3	.5	.4	3.7	1.4	3.9	1.1	2.2	3.8	4.3	1.8	
28 RefinPetrol	7.7	.9	1.7	.0	.4	2.1	4.8	1.8	1.8	.6	.3	.0	.3	3.8	13.4	2.3	1.7	.9	.3	.6	.0	2.4	.9	.6	7.1	1.9	8.0	2.2	3.4	5.5	3.9	2.7	
29 Electricity	2.1	.3	1.2	.1	.1	2.6	2.2	.8	.6	.6	.5	.0	.2	2.8	3.4	.4	.8	.1	.1	.4	.0	1.4	.8	.2	1.4	.8	.7	.7	3.6	3.1	2.9	.8	
30 IndAlm	.2	.1	.0	.0	.0	14.8	.3	1.3	.1	.0	.0	.0	.1	.2	.0	.1	.0	.0	.1	.0	.1	.1	.1	.0	.2	.4	2	.1	.5	1.0	2.2	.2	
31 OthIndAlm	.1	.0	.0	.0	.0	.8	2.2	.7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	
32 BevTobac	.8	.3	.2	.0	.0	.0	.5	.4	8.4	.2	.1	.0	.1	.6	.9	2	.4	.1	.1	.2	.3	.0	.3	10.4	1.3	.7	1.9	.5	.1	.8	1.2	2.2	.7
33 Textiles	.8	.1	.2	.0	.0	.0	1.1	.6	.1	52.8	80.2	.3	8.9	.9	.5	.1	.8	.1	.2	.3	.0	.3	10.4	1.3	.7	1.9	.5	.1	.8	1.2	2.2	.7	
34 Clothes	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
35 LeatherShoes	.4	.1	.2	.0	.0	.0	.1	.3	.1	.4	3.8	73.3	11.2	.3	.2	.0	.1	.0	.1	.2	.0	.2	8.4	.5	.7	.6	2.2	.1	.2	.4	.5	11.2	
36 Wood	1.3	.2	.5	.1	.0	.0	.2	.2	.1	.1	.0	8.6	2.2	1.2	.1	.8	.1	.2	.7	.0	.4	.2	.2	5.4	3.7	.4	.2	1.1	2.2	4.0	.7		
37 Paper	1.1	.2	.4	.0	.0	.1	1.5	.9	2.3	.5	.5	.0	.2	30.3	1.8	.4	1.9	.2	.2	.9	.0	1.4	.7	.3	1.2	3.0	.8	1.1	13.1	15.6	2.9	1.3	
38 QuarMin	.6	1.4	.5	.0	.0	.9	.4	.4	2.3	.1	.1	.0	.3	.4	24.1	.9	1.4	.3	.3	.6	.3	1.1	.4	.7	32.8	.7	.7	.8	1.1	2.2	2.4	2.1	
39 Metal	.8	.5	2.0	.1	.1	.2	1.5	.6	.1	.1	.0	2.4	.4	4.2	9.9	30.2	3.8	.0	5.6	.2	.4	.3	14.3	10.1	1.4	.4	.1	.6	3.6	1.2	1.0		
40 MetOth	.6	.8	4.8	.0	.1	.1	2	4.8	1.4	.2	.4	.0	3.2	.8	1.5	5.2	12.5	1.1	1.2	1.3	.1	.8	.4	.9	8.8	4.3	.5	.2	.6	10.9	1.8	2.5	
41 Equipm	.8	.2	.4	.0	.0	.0	.6	.1	.1	.0	.0	.0	.0	.1	.2	.0	.1	.7	.3	.2	.0	.2	.1	.0	.5	.3	.1	.0	.3	.8	1.2	2.4	
42 TranspMat	1.1	.4	.6	.1	.0	.0	.5	.7	.5	.2	.1	.0	.1	.5	.8	.4	.6	.3	14.9	.2	.0	.6	.2	.1	.8	2.0	3.0	1.1	1.2	2.5	4.0	.9	
43 ElecMet	.8	.1	.6	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.2	.6	.1	.1	.0	.1	8.7	.0	.2	.1	.0	3.0	.4	.2	.1	.6	1.0	2.0	.9
44 PrecMet	.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.6	.0	.0	.0	.2	.0	.1	.2	.0	.1	.0	.1	
45 Chemicals	3.0	1.3	4.1	.0	.1	.4	2.3	5.7	1.8	2.5	1.3	.2	1.4	10.2	3.4	.6	3.2	.6	.8	3.8	.0	5.4	19.1	2.5	4.9	2.9	1.8	.5	3.7	7.1	12.7	1.7	
46 Rubber	2.8	.5	.8	.0	.0	.0	.1	4.2	.1	.1	.1	.0	.2	.2	.1	.2	.2	1.1	1.4	.0	.7	.9	7.7	.7	1.4	2.7	.1	.2	.4	.4	.7		
47 OthInd	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
48 Construct	.3	.1	.2	.6	.0	.1	.3	.3	.2	.1	.1	.0	.1	.4	.5	.1	.2	.1	.0	.1	.0	.3	.2	.0	3.3	.9	.6	.7	2.0	3.6	1.7	2.1	
49 Commerce	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
50 Transp	6.7	2.3	2.9	.1	.1	.1	1.7	1.9	1.2	.5	.4	.0	.4	2.2	2.4	1.5	1.6	.3	.2	.8	.0	3.6	1.0	.4	3.5	6.9	3.2	2.1	2.9	9.0	2.2	1.5	
51 Common	.8	.2	.2	.0	.0	.1	.5	.5	.5	.2	.1	.0	.1	.9	1.1	.3	.8	.1	.1	.3	.0	.4	.4	.1	.9	1.4	1.1	.2	7.9	12.1	2.7	.8	
52 Bonding	5.1	1.0	.9	.0	.2	.1	3.4	3.8	1.6	1.9	1.1	.1	.8	8.0	10.1	2.3	5.9	1.0	.8	2.0	.3	2.3	2.3	.6	5.3	7.3	2.8	.9	9.2	18.8	3.9	2.9	
53 Insurance	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	25.3	.1	.0
54 OthSrv	12.6	3.8	2.3	.1	.1	.6	7.9	8.5	5.2	3.1	1.9	.1	1.8	8.9	18.4	3.1	5.3	1.4	.3	3.4	.2	6.8	4.3	1.1	11.0	22.8	9.8	3.7	28.1	59.1	31.9	7.1	
55 PubAdm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

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Table 16: Open Loop Links from Non-Agriculture to Agriculture (N2m)

	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55						
1 HardWheat	.0	.0	.0	.0	.0	.0	1.9	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0						
2 SoftWheat	2	.0	.1	.0	.0	.0	11.3	6.2	.9	.4	.2	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.1	.1	.1	.0	.1	.3	.7	.1					
3 Barley	.1	.0	.0	.0	.0	.0	3.5	2.6	.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0					
4 Maize	.0	.0	.0	.0	.0	.0	1.9	1.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0				
5 Rice	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
6 Legumes	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
7 SugarBeets	.0	.0	.0	.0	.0	.0	2.3	1.7	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0			
8 SugarCane	.0	.0	.0	.0	.0	.0	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0			
9 Oilseeds	.0	.0	.0	.0	.0	.0	1.1	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
10 RawFibre	.0	.0	.0	.0	.0	.0	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
11 Vegetables	.0	.0	.0	.0	.0	.0	.8	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
12 Alfafa	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13 Berries	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
14 Citrus	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0		
15 Olives	.1	.0	.0	.0	.0	.0	4.0	2.9	.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
16 Grapes	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17 Dates	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18 Almonds	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19 OtherFruit	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20 OtherAgri	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21 Livestock	.3	.0	.1	.0	.0	.0	18.6	13.6	1.6	.7	.3	.0	.4	.1	.1	.0	.1	.0	.0	.0	.0	.1	.3	.0	.1	.2	.1	.0	.2	.5	1.1	.1	.0	.0	.0	.0	.0	
22 Forestry	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23 Fishing	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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Table 17: Open Loop Links from Agriculture to Non-Agriculture (N2m)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
24 Phosphate	.4	.3	.4	.3	.0	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2	.0	.1	.1	.1	
25 NonMetalMin	.3	.2	.3	.3	.0	.3	.3	.3	.2	.2	.2	.3	.3	.2	.2	.2	.2	.3	.3	.0	.1	.2	.1	
26 Metallin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
27 CrudePetrol	1.9	1.2	1.9	1.5	.0	2.2	1.5	1.5	1.5	2.9	1.9	4.5	4.6	2.1	2.2	2.1	2.1	1.6	1.5	.3	.7	2.1	4.0	
28 RefinPetrol	2.7	1.7	2.7	2.2	.1	2.5	2.8	2.8	2.5	1.7	2.2	3.3	3.3	2.7	2.8	2.7	2.7	3.0	2.9	.1	1.0	3.4	6.6	
29 Electricity	.7	.4	.7	.5	.0	.8	1.5	1.5	.5	1.2	.7	1.7	1.7	.8	.8	.8	.8	.4	.6	.1	.7	.7	.5	
30 IndAlim	.2	.1	.2	.2	.0	.2	.2	.2	.2	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.0	2.5	.3	1.1	
31 OthIndAlim	.1	.1	.1	.1	.0	.1	.1	.1	.2	.2	.1	.7	.7	.1	.1	.1	.1	.1	.1	.0	2.3	.3	1.0	
32 BevTobac	.8	.4	.8	.5	.0	.8	.8	.8	.7	1.5	.5	.7	.7	.6	.6	.6	.6	.7	.7	.0	.3	.7	.3	
33 Textile	.4	.2	.4	.3	.1	1.2	.5	.5	.3	1.1	.8	.8	1.0	1.0	1.0	1.0	1.0	1.1	1.0	.0	.2	.6	4.2	
34 Clothes	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
35 LeatherShoes	.5	.3	.5	.4	.0	.2	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.0	1.1	.2	.2	
36 Wood	.3	.2	.3	.3	.0	.6	.4	.4	.4	.7	.5	.4	.4	1.3	1.3	1.3	1.3	.8	.5	.0	.2	.5	.4	
37 Paper	1.0	.7	1.0	.8	.0	2.7	1.0	.9	.8	.7	2.4	.7	.7	3.0	3.1	3.0	3.0	2.6	2.3	.1	.6	.8	.5	
38 QuarMin	.5	.3	.6	.4	.0	.4	.6	.6	.7	.5	.4	.4	.4	.4	.4	.4	.4	.5	.9	.0	.2	.8	.3	
39 Metallin	.4	.2	.4	.3	.0	.3	.3	.3	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	.6	.0	.2	.5	.2	
40 MetObj	.8	.5	.8	.6	.0	.7	.4	.4	.9	.5	.6	.4	.4	.6	.6	.6	.6	.6	.6	.0	.3	1.5	.7	
41 Equipm	1.0	.8	1.0	.8	.0	.7	1.2	1.2	1.0	.8	.8	.7	.7	.6	.6	.6	.6	.6	.6	.0	.3	1.5	.7	
42 TranspMat	.4	.3	.4	.3	.0	.4	.5	.5	.4	.8	.4	.5	.5	.4	.4	.4	.4	.4	.5	.5	.0	.1	.3	.1
43 ElectMet	.3	.2	.3	.2	.0	.3	.4	.4	.4	.5	.3	.5	.5	.3	.3	.2	.2	.3	.3	.0	.1	.3	.1	
44 PrecMet	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
45 Charcoal	4.6	3.0	4.6	3.7	.1	3.9	3.2	3.2	3.0	3.2	3.5	3.2	3.2	3.8	3.8	3.8	3.8	3.8	2.8	.2	1.0	1.5	1.1	
46 Rubber	.3	.2	.3	.2	.1	.7	.4	.4	.3	.2	.8	1.5	1.5	.6	.8	.8	.8	.7	.8	.1	.4	.2	.5	
47 OthInd	.1	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
48 Construct	.7	.5	.7	.6	.0	.6	.8	.8	1.3	.6	.5	.7	.7	.5	.5	.5	.5	.7	2.0	.0	.2	1.9	.4	
49 Commerce	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
50 Transp	1.6	1.0	1.6	1.2	.1	1.8	2.7	2.7	1.2	.7	1.6	1.1	1.1	1.5	1.5	1.5	1.5	1.5	2.3	.1	1.4	1.8	1.8	
51 Commun	.6	.4	.6	.5	.0	.6	.8	.8	.5	.8	.5	.5	.5	.5	.5	.5	.5	.5	.6	.5	.0	.2	.4	.3
52 Banking	4.5	2.9	4.5	3.6	.1	3.4	2.8	2.8	1.9	1.3	3.0	1.8	1.8	3.1	3.1	3.0	3.0	3.2	2.9	.1	1.0	1.6	1.7	
53 Insurance	.8	.5	.8	.6	.0	.6	.8	.8	.5	.4	.5	.5	.4	.4	.4	.4	.4	.4	.6	.5	.0	.1	.1	.3
54 OthServ	8.7	5.6	8.8	7.0	.2	9.0	11.4	11.4	9.7	22.8	8.0	10.8	10.8	8.8	8.8	8.8	8.8	10.8	10.4	.3	3.9	10.7	4.0	
55 PubAdm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

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Table 18: Closed Loop Links for Agricultors (M3M)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1 HardWheat	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	
2 SoftWheat	.1	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.4	.1	.2
3 Satey	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	
4 Maize	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	
5 Rice	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
6 Legumes	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	
7 SugarBeets	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8 SugarCane	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
9 OilSeeds	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10 RawFibre	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11 Vegetables	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 Alfafa	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13 Beans	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
14 Citrus	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
15 Olives	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	
16 Grapes	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17 Dates	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
18 Almonds	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
19 OtherFruit	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20 OthAgri	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
21 Livestock	.1	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.2	.2	.1	.1	.1	.1	.1	.1	.1	.0	.7	.1	.4
22 Forestry	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23 Fishing	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

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Table 19: Closed Loop Links for Non-Agriculture (N9mm)

	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
24 Phosphate	.0	.0	.0	.0	.0	.0	.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25 NonMetMin	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26 MetMin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27 CrudePetrol	.0	.0	.0	.0	.0	.0	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28 RefinPetrol	.0	.0	.0	.0	.0	.0	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29 Electricity	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30 IndASM	.0	.0	.0	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31 OthIndAlm	.0	.0	.0	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32 BevTobac	.0	.0	.0	.0	.0	.0	.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33 Textiles	.0	.0	.0	.0	.0	.0	.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34 Clothes	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35 LeatherShoes	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36 Wood	.0	.0	.0	.0	.0	.0	.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37 Paper	.0	.0	.0	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38 QuarMin	.0	.0	.0	.0	.0	.0	.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39 MetInd	.0	.0	.0	.0	.0	.0	.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40 MetObj	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41 Equipm	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42 TranspMat	.0	.0	.0	.0	.0	.0	.1	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43 ElectMat	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44 Precind	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45 Chemicals	.0	.0	.0	.0	.0	.0	1.1	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46 Rubber	.0	.0	.0	.0	.0	.0	.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47 OthInd	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48 Construct	.0	.0	.0	.0	.0	.0	.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49 Commerce	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50 Transp	.0	.0	.0	.0	.0	.0	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51 Commun	.0	.0	.0	.0	.0	.0	.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52 Banking	.0	.0	.0	.0	.0	.0	1.0	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53 Insurance	.0	.0	.0	.0	.0	.0	.2	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54 OthServ	.0	.0	.0	.0	.0	.0	2.7	2.0	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55 PubAdm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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As is apparent from the own agriculture effects in Table 15, linkages between agricultural activities in Morocco are relatively weak, the sole exception's being Livestock's demand for its own output for breeding purposes. Non-Agricultural own linkages, by contrast, are quite strong in many cases.

Open loop linkages from Non-Agriculture to Agriculture (Table 16) show only food processing (sectors 30 and 31) as having significant downstream links. By contrast, Agriculture's demand for Non-Agricultural inputs generates larger and more extensive open loop links (Table 17).

Finally, closed loop effects (Tables 18 and 19) are almost uniformly negligible for the two-sector groups. This further emphasizes the relative isolation of agricultural activities within the Moroccan economy, both with respect to Non-Agriculture and with respect to one another. Although Agriculture has significant requirements of Non-Agricultural inputs, there is little domestic demand for its output as an intermediate product. This is consistent with the subsistence and export emphasis of current Moroccan agriculture, but it implies that significant value-added in processing agricultural outputs, in terms of textile and other light industries, is not being realized. Only the food processing industries have strong backward linkages to agriculture. The fact that these multipliers are drawn from an Input-Output table does bias them downward, however, since income-expenditure links to consumption and other domestic demand are not endogenous. When this table is integrated into a complete social accounting matrix, it will be possible to follow the more extensive triangular linkages between Non-Agricultural activities, factor incomes, and demand for Agriculture in final consumption. This will undoubtedly reveal large income transmission links between the two groups of activities.⁴⁴

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