

#### 8.4 Others

The State SES, Maternal, Infantile and Adult Division, is carrying out the following programs:

- Program of Integrated Assistance to Women's Health
- Program of Integrated Assistance to Child's Health
- Program of Attention to Juvenile's Health
- Program of Prevention and Control against Chronic-Degenerative Diseases
- Program of Mental Health
- Program of Attention to Handicap Person
- Program of Aliment Orientation

Recently, a research about mother-infantile health, which is in the conclusion stage, is being conducted reckoning upon the advise of UNICEF: PESMITO (Research on Mother-Infantile Health on the State of Tocantins). PESMITO is realized in joint way with: the State SES, UNITINS, National Foundation of Health, Alimentation and Nutrition Institute of the Ministry of Health (INAN), UNICEF, RURALTINS and other related authorities.

#### 9 Social Welfare

The social welfare and assistance for the population, at the National level, is carried out by INSS. Social welfare services by INSS cover four fields: free medical services, unemployment pay, retirement pension and old-age pension. At the State level, there is the IPERTINS (Institute of Social Welfare of the State of Tocantins) which gives support only to state government employees.

The workers over the age of 14 who are engaged in remunerated works should pay the social security and payroll taxes to INSS. From July 1991 on, through the Law 8,212, the agricultural firms started to pay, yearly, a tax corresponding to 28% of the production (out of which 20% goes to the social security). For family units, the contribution is 3% of the production. The employer contributes with 8 - 10% of the payroll.

To be apt to receive the retirement payment, the working period can be discontinuous though the intervals can not exceed a period of three years. Retirement pension is provided at the age of 60 (men) or 55 (women). The pension is set up as 70% of the average salary of the last 3 years before retirement. For applying to the social security or pensions, farm workers (applicant) need to submit certification documents provided by cooperatives, syndicates or public institutions proving their working status. If the documents are considered not sufficient, an interview or even a research can be carried out to investigate the background of the applicant. Old age pension is granted at the age of 70 or more regardless the applicant has contributed to the social security or not.

Presently, INSS's offices in the State belong to the Goiás State Commission, and there are not many local offices in the State. Consequently, urgent establishment of the Tocantins

State Commission and of more local offices are demanded by the workers' organization.

## **10 Rural Socio-Economic Survey**

### **10.1 Methodology**

The survey aims to evaluate the rural socio-economic conditions in the State of Tocantins and the possible impacts they can suffer from the implementation of agriculture and livestock projects to be developed as a result of the Master Plan. The survey have been carried out by the UNITINS under the agreement between the JICA team and UNITINS, according to research and evaluation methodologies described as follows:

#### **(1) Rural producers**

The farmers interview survey was carried out with 200 sample farm producers who are small- and medium-scale farmers, 20 samples per region. The criteria adopted is to pick up at least one producer per municipality, once the number of municipalities is around 140. In order to choose the producer within the municipality borders, it was adopted that the farm could not be neither too close to the urban area nor to the border. Therefore, its location should be in between the two limits (urban area limit and municipality border).

The questionnaire had a total of 20 questions, divided according to the fields of agricultural activities, these are: (i) General Information, (ii) Living Conditions, (iii) Agricultural and Livestock Production, (iv) Agricultural Credit, (v) Commercialization, (vi) Technical Assistance, (vii) Farmers' Organization, (viii) Living Expenses, and (ix) Others - including future plan for the production unit, and comments about the Project.

#### **(2) Rural Producers' Associations**

The interview survey was carried out in 21 associations of small rural producers and it can be considered that the results show common aspects of 1,254 members of these associations. Besides these associations, other 2 rural syndicates were interviewed, representing 922 producers.

The interview items with farmers' associations are 16 items under the guidelines established for the interview. The items include organization, type of producer, production system, labor force, support organization, difficulties to operate, and future plan.

#### **(3) Indigenous Communities**

The number of interviews varies from 6 to 8, depending on the accessibility to the indigenous settlements and other factors.

The survey includes a diagnosis of the indigenous groups in the State through the investigation of general characteristics, land, relationship between indigenous people and

non indigenous people, social and cultural structure, education, presence of FUNAI, production work, commercialization and so on.

## **10.2 Outline of the Survey Results**

The survey results can be summarized as follows:

### **(1) Social Conditions**

Generally, most of farmers had immigrated from the surrounding states (Maranhão, Piauí, etc.) between the 50s and the 70s. Observing the sampled farms households in each region, the average age of household's head is around 50 and the majority is married. Average family size is 6 (min.4.35; max. 6.45). The literacy rate of household's head ranges from 65% to 95%, particularly, the Extreme North, Northeast, and Southeast regions showing a high illiteracy rate. As for the educational background, 60% of them did not finish the 1st grade school in the Extreme North region, followed by the North, Southeast, Center-West and East regions.

Main activity of the sampled household is agriculture (for self-subsistence) and livestock. However, the cash income of the family is mainly derived from sub-occupations: drivers, small retailers, public service and beekeeping. Additional sources of income come from sale of domestic animals. In every region, it can be found that farm work in other stock farms is the main occupation.

The housing is important in both a social and economic context. The condition of housing materials is shown as follows:

- Roof: Thatch-50% or more (Extreme North, and Northeast regions)  
Tile-50% or more (the remaining regions).
- Wall: Clay-50% or more (Extreme North, Northeast, East, and South regions)  
Brick-50% or more (Northwest, Center-West, Central, Southwest, and South regions).

The rest are made of woods or palms.

- Floor: Earth-50% or more (Extreme North, Northeast, Northwest, East, and South regions)  
Cement or Tile: 50% and more (North, Center-West, Central, Southeast, Southwest regions)

According to the surveyed data, the Extreme North region presents the most poor housing conditions among the 10 regions.

As a whole, the main source of drinking water is mainly the well, although water for domestic use comes from brooks. Almost all the families use firewood combined with gas (LPG) for their cooking. In the rural zone, electricity is limited to very few places. Most households use kerosene lamps for illuminating their home. Houses with no latrine

correspond to 50% or more.

As for the household assets, it appears that 70% of the surveyed families own a bicycle while few vehicles (car, truck, etc.) were identified in each region. Almost all the families own a radio/cassette recorder as a small luxury item. On the other hand, TV sets and video recorders are owned by few families, except for the Center-West, Central, Southeast, and South regions. 50% or more of the families have sewing machine for dressmaking.

In terms of education, the 1st grade schools exist in the surveyed rural areas, but school curriculum covers only the primary course (first four years). In addition, a low quality of school buildings and lack of educational materials are reported.

According to the data surveyed, the public health and medical services are provided by regional hospitals and health centers or posts. However, most of patients in the rural areas depends on traditional treatments by herbal medicines.

## (2) Agricultural Production

Almost all the surveyed farmers have land title, except for INCRA's settlers in the Extreme North region. On the other hand, some farmers who occupy the land illegally were founded from the survey in the Northeast, East, Southeast and South regions.

The average area of land holdings in each region is shown as follows:

Region	Average Area (ha)	Remarks
Extreme North	185.00	INCRA 42 ha
North	333.05	min. 9.68 ha, max. 1,210 ha
Northeast	277.20	min. 4.80 ha, max. 408 ha
Northwest	493.90	min. 19.00 ha, max. 2,800 ha
East	194.10	min. 3.00 ha, max. 450 ha
Center-West	160.89	min. 2.36 ha, max. 284 ha
Central	195.49	min. 5.00 ha, max. 875 ha
Southeast	252.07	min. 5.00 ha, max. 919 ha
Southwest	294.73	min. 4.00 ha, max. 1,000 ha
South	197.58	min. 1.00 ha, max. 550 ha

Observing the land use, the land for pasture occupies the majority of the total land owned by farmers. The land use of surveyed farmers varies according to the land size. (see Table IV Results of Rural Socio-Economic Survey). Most of farmers performs familiar agriculture, and their products are mainly applied to home consumption. Main crops planted for self-consumption are rice, maize, cassava, and feijão beans. It can be found that vegetables and fruits, such as tomato, watermelon, pineapple, banana, mango, etc., are also grown by farmers in the North, Center-West, Southeast, and South regions. The production yield of the crops are mentioned in Annex IV-7.3-7.12.

In terms of farming system, the crops are mostly grown under the slash-and-burn

cultivation method as a whole. The mechanization system for the farming is not common among small farmers due to lack of funds for farming. Some farmers utilize the rental or leasing system of agricultural machinery for their land preparations. According to the surveyed data, the medium-scale farmers own 500 ha or more, have their own tractor and practice their farming through mechanization.

Generally, farmers are interested in the use of certified seeds; rice and maize. However, most of the farmers who perform familiar agriculture use their own reserved seeds of rice, and the certified seeds of maize are used by 25% to 60% of farmers. The use of fertilizer (artificial) is verified, mainly for seeding/seedling of annual crops such as rice, maize, pineapple, watermelon, and tomato. The agro-chemicals, such as Foridol, Folisuper, Ditane Riconil and Tordon, are used when damage caused by plant diseases and insects occurs.

As a rule, the medium-scale farmers employ permanent farm workers, and even the farmers of familiar agriculture use to hire temporary farm workers during the harvesting period, from 4 to 10 days. The wage for farm labor is R\$5.00 per day including meal.

### **(3) Livestock Production**

Livestock raising is a very important activity in the State. Most of farmers, even familiar agricultural producers, keep cattle, cow, pig and poultry. The cattle and cow are mainly for the property and/or the source of cash income, also draught power for land preparation and cart. The herd of cattle owned by a typical small farmer in the northern part regions of the State is around 70 heads. The livestock raising performed by small farmers has the purpose of calf and milk production for local markets, and pig and poultry are mainly for home consumption.

### **(4) Agricultural Credit**

According to the data surveyed, most of farmers (80%) have received an agricultural credit before. However, presently, only 10 to 20% of the farmers interviewed in each region have received the loan of the PROCERA and/or PRONAF. In the case of pineapple production, the loaned amount is around R\$30,000 per producer.

### **(5) Technical Assistance**

The RURALTINS is the institution responsible for public rural extension services in the State. However, the surveyed data shows that only 10 to 40% of the farmers interviewed in each region, except for the Northeast region, have received technical assistance by RURALTINS, despite the big demand presented by the farmers. It seems that the weakness of extension activities is caused by a lack of extension staff, transport (vehicles) and funds.

**(6) Commercialization**

In most crops, the production surplus is sold to the local markets through middlemen and retailers. In the case of calf cattle, the middlemen deal directly with farmers paying in cash, afterwards sailing the calves to large stock farms. In the North region, small farmers are selling milk directly to dairy processing factories.

**(7) Farmers' Organization**

According to the surveyed data, the farmers participating in farmers' organizations, such as associations and syndicates, are 38% of the total interviewed farmers.

According to the survey on the rural producers' associations, almost all the members of associations also participate in Rural Workers Syndicates and have close relationship with CPT and FETAET. The members of the associations are interested in the agriculture and rural credit policies. Most of the associations are presently not active concerning to other activities.

**(8) Living Expenses**

Among the living expenses, the expenditure for aliments accounts for 50% and more, and is followed by expenses with education, transport and so on. According to the surveyed data, the monthly expenditure per person varies in each region, ranging from R\$31.00 (Northeast region) to R\$106.00 (Central region).

**(9) Others**

The details of the survey is summarized in the tables and graphs showed the following.

The results of the indigenous communities survey are mentioned in section 5.2, Annex-IV.

Table IV-1.1 Demographic Structure by Region and Municipality (1/3)

Region Municipality	Area (km <sup>2</sup> )	Population			No. of Household	Average Size of Household	Pop. Density (p/km <sup>2</sup> )
		Total	Male	Female			
<b>Extreme North</b>	<b>15,967.2</b>	<b>159,901</b>	<b>81,549</b>	<b>78,352</b>	<b>33,587</b>	<b>4.76</b>	<b>10.01</b>
1 Esperantina	475.7	5,957	3,114	2,843	1,229	4.85	12.52
2 Sao Sebastiao do Tocantins	295.2	3,516	1,737	1,779	725	4.85	11.91
3 Araguatins	2,297.3	22,578	11,549	11,029	4,719	4.78	9.83
4 Buriti do Tocantins	272.1	7,577	3,796	3,781	1,572	4.82	27.85
5 Carrasco Bonito	195.9	2,729	1,422	1,307	584	4.67	13.93
6 Sampaio	184.8	2,830	1,408	1,422	589	4.80	15.31
7 Augustinopolis	411.9	13,904	7,022	6,882	2,708	5.13	33.76
8 Praia Norte	294.9	5,149	2,607	2,542	1,040	4.95	17.46
9 Axixa do Tocantins	104.8	9,732	4,848	4,884	2,091	4.65	92.86
10 Sitio Novo do Tocantins	279.1	10,124	5,086	5,038	2,100	4.82	36.27
11 Sao Miguel do Tocantins	403.8	8,307	4,304	4,003	1,853	4.48	20.57
12 Itaguatins	813.2	6,489	3,425	3,064	1,383	4.69	7.98
13 Sao Bento do Tocantins	1,452.2	2,828	1,490	1,338	575	4.92	1.95
14 Cachoeirinha	432.4	1,810	926	884	355	5.10	4.19
15 Maurilandia do Tocantins	792.4	2,727	1,470	1,257	607	4.49	3.44
16 Ananas	1,398.1	9,672	4,931	4,741	2,006	4.82	6.92
17 Angico	553.9	2,759	1,427	1,332	555	4.97	4.98
18 Nazare	692.1	4,898	2,548	2,350	1,015	4.83	7.08
19 Tocantinopolis	1,551.1	18,887	9,315	9,572	4,209	4.49	12.18
20 Riachinho	685.8	3,505	1,860	1,645	723	4.85	5.11
21 Palmeiras do Tocantins	710.5	3,497	1,809	1,688	735	4.76	4.92
22 Darcinopolis	1670.0	3,899	2,076	1,823	866	4.50	2.33
23 Aguianopolis		2,712	1,405	1,307	564	4.81	
24 Luzinopolis		1,550	808	742	325	4.77	
25 Santa Terezinha do Tocantins		2,265	1,166	1,099	459	4.93	
<b>North</b>	<b>21,082.1</b>	<b>172,447</b>	<b>86,776</b>	<b>85,671</b>	<b>39,122</b>	<b>4.41</b>	<b>8.18</b>
1 Xambioa	1,388.0	11,168	5,673	5,495	2,443	4.57	8.05
2 Araguana	869.4	3,069	1,688	1,381	693	4.43	3.53
3 Piraque	1,178.6	1,788	957	831	418	4.28	1.52
4 Wanderlandia	1,296.6	10,272	5,247	5,025	2,278	4.51	7.92
5 Aragonimas	1,067.1	3,487	1,863	1,624	783	4.45	3.27
6 Carmolandia	353.7	1,613	833	780	366	4.41	4.56
7 Babaculandia	1,883.5	8,773	4,626	4,147	1,937	4.53	4.66
8 Santa Fe do Araguaia	1,683.9	4,332	2,270	2,062	918	4.72	2.57
9 Muricilandia	1,248.0	3,038	1,606	1,432	693	4.38	2.43
10 Araguaia	3,920.1	105,000	51,533	53,467	24,259	4.33	26.79
11 Nova Olinda	1,723.9	8,728	4,557	4,171	1,991	4.38	5.06
12 Filadelfia	1,997.0	7,398	3,854	3,544	1,561	4.74	3.70
13 Palmeirante	2,472.3	3,781	2,069	1,712	782	4.84	1.53
<b>Northeast</b>	<b>24,032.8</b>	<b>47,662</b>	<b>24,947</b>	<b>22,688</b>	<b>9,967</b>	<b>4.78</b>	<b>1.98</b>
1 Goiatins	7,546.7	11,014	5,766	5,248	2,232	4.93	1.46
2 Itapiratins	1,241.0	3,392	1,845	1,547	751	4.52	2.73
3 Campos Lindos	3,253.6	5,118	2,667	2,451	969	5.28	1.57
4 Santa Maria do Tocantins	1,411.8	2,191	1,160	1,031	455	4.82	1.55
5 Recursolandia	1,859.0	3,067	1,634	1,433	600	5.11	1.65
6 Itacaja	3,431.9	6,552	3,415	3,137	1,473	4.45	1.91
7 Bom Jesus do Tocantins	1,338.2	2,277	1,198	1,079	507	4.49	1.70
8 Pedro Afonso	2,055.0	8,646	4,378	4,268	1,903	4.54	4.21
9 Centenario	1,895.6	2,190	1,184	1,006	447	4.90	1.16
10 Barra do Ouro		3,215	1,727	1,488	630	5.10	
<b>Northwest</b>	<b>19,081.0</b>	<b>100,302</b>	<b>51,699</b>	<b>48,603</b>	<b>23,837</b>	<b>4.21</b>	<b>5.26</b>
1 Pau D'Arco	1,308.2	4,882	2,583	2,299	1,125	4.34	3.73
2 Arapoema	3,236.5	6,493	3,346	3,147	1,469	4.42	2.01
3 Bernardo Sayao	930.9	4,313	2,351	1,962	1,018	4.24	4.63
4 Colinas do Tocantins	846.9	24,483	12,200	12,283	5,902	4.15	28.91
5 Juarina	483.1	2,382	1,270	1,112	529	4.50	4.93
6 Couto Magalhaes	1,588.6	4,358	2,312	2,046	994	4.38	2.74
7 Pequizeiro	1,233.6	3,579	1,887	1,692	856	4.18	2.90
8 Itapora	876.8	3,214	1,723	1,491	759	4.23	3.67
9 Presidente Kennedy	875.0	4,152	2,145	2,007	943	4.40	4.75
10 Brasilandia	644.2	1,762	946	816	433	4.07	2.74

Table IV-1.1 Demographic Structure by Region and Municipality (2/3)

Region Municipality	Area (km <sup>2</sup> )	Population			No. of Household	Average Size of Household	Pop. Density (p/km <sup>2</sup> )
		Total	Male	Female			
11 Tupiratins	899.1	1,311	684	627	300	4.37	1.46
12 Golanorte	1,808.2	5,131	2,786	2,345	1,158	4.43	2.84
13 Colmeia	1,193.2	9,133	4,664	4,469	2,256	4.05	7.65
14 Guaraí	2,684.4	19,403	9,746	9,657	4,760	4.08	7.23
15 Fortaleza do Tabocao	472.3	2,210	1,166	1,044	541	4.09	4.68
16 Bandeirante do Tocantins		2,408	1,288	1,120	516	4.67	
17 Tupirama		1,089	602	487	278	3.92	
East	34,113.2	27,560	14,408	13,152	5,594	4.93	0.81
1 Rio Sono	6,383.4	6,537	3,467	3,070	1,325	4.93	1.02
2 Lizarda	5,825.6	4,089	2,112	1,977	782	5.23	0.70
3 Novo Acordo	2,539.3	2,962	1,472	1,490	653	4.54	1.17
4 Sao Felix do Tocantins	1,916.4	1,157	589	568	207	5.59	0.60
5 Mateiros	5,913.7	1,492	762	730	292	5.11	0.25
6 Lagoa do Tocantins	908.8	2,618	1,317	1,301	527	4.97	2.88
7 Santa Tereza do Tocantins	543.9	2,145	1,133	1,012	427	5.02	3.94
8 Ponte Alta do Tocantins	10,082.1	6,560	3,556	3,004	1,381	4.75	0.65
Center-West	30,459.3	87,638	45,275	42,363	20,921	4.19	2.88
1 Araguacema	2,789.9	4,712	2,436	2,276	1,053	4.47	1.69
2 Dois Irmaos do Tocantins	3,757.8	7,555	4,152	3,403	1,789	4.22	2.01
3 Miranorte	1,254.8	10,768	5,483	5,285	2,616	4.12	8.58
4 Caseara	1,811.4	3,624	1,936	1,688	799	4.54	2.00
5 Abreulandia	1,889.7	1,962	1,079	883	461	4.26	1.04
6 Pium	10,561.7	5,679	2,991	2,688	1,288	4.41	0.54
7 Marianopolis do Tocantins	2,047.2	2,604	1,413	1,191	648	4.02	1.27
8 Divinopolis do Tocantins	2,870.7	5,355	2,854	2,501	1,293	4.14	1.87
9 Barrolandia	1,241.9	4,927	2,569	2,358	1,179	4.18	3.97
10 Paraíso do Tocantins	1,678.1	32,874	16,374	16,500	7,986	4.12	19.59
11 Nova Rosalandia	556.1	3,586	1,825	1,761	842	4.26	6.45
12 Pugmil		1,269	670	599	317	4.00	
13 Chapada de Areia		1,053	578	475	238	4.42	
14 Monte Santo do Tocantins		1,670	915	755	412	4.05	
Central	23,079.4	181,153	91,945	89,208	42,794	4.23	7.85
1 Rio do Bois	689.3	2,048	1,069	979	475	4.31	2.97
2 Miracema do Tocantins	2,821.8	17,478	8,754	8,724	4,186	4.18	6.19
3 Tocantinia	2,590.5	5,169	2,634	2,535	1,170	4.42	2.00
4 Port Nacional	4,753.7	42,214	20,885	21,329	9,256	4.56	8.88
5 Palmas	2,475.0	85,901	43,584	42,317	21,528	3.99	34.71
6 Lageado	301.3	1,392	740	652	326	4.27	4.62
7 Aparecida do Rio Negro	1,165.0	3,642	1,968	1,674	776	4.69	3.13
8 Fatima	565.2	3,469	1,754	1,715	814	4.26	6.14
9 Brejinho de Nazare	2,713.2	5,167	2,713	2,454	1,114	4.64	1.90
10 Monte do Carmo	3,416.9	5,982	3,137	2,845	1,262	4.74	1.75
11 Silvanopolis	1,587.5	4,969	2,655	2,314	1,073	4.63	3.13
12 Oliveira de Fatima		754	396	358	173	4.36	
13 Ipueriras		1,146	602	544	254	4.51	
14 Sant Rita do Tocantins		1,822	1,054	768	387	4.71	
Southeast	47,432.9	109,723	57,292	52,431	24,435	4.49	2.31
1 Natividade	4,903.4	8,615	4,398	4,217	1,960	4.40	1.76
2 Santa Rosa do Tocantins	1,803.4	3,759	1,993	1,766	779	4.83	2.08
3 Sao Valerio da Natividade	2,547.3	4,807	2,574	2,233	1,128	4.26	1.89
4 Pindorama do Tocantins	1,544.1	4,717	2,506	2,211	974	4.84	3.05
5 Almas	4,106.4	7,755	4,095	3,660	1,678	4.62	1.89
6 Rio da Conceicao	761.2	1,038	540	498	200	5.19	1.36
7 Porto Alegre do Tocantins	482.0	2,462	1,282	1,180	548	4.49	5.11
8 Dianopolis	3,229.9	14,871	7,539	7,332	3,145	4.73	4.60
9 Novo Jardim	1,314.9	2,007	1,080	927	402	4.99	1.53
10 Conceicao do Tocantins	1,914.7	4,399	2,219	2,180	916	4.80	2.30
11 Taipas do Tocantins	1,276.6	1,721	906	815	357	4.82	1.35
12 Ponte Alta do Bom Jesus	1,813.2	4,713	2,489	2,224	1,098	4.29	2.60
13 Taguatinga	2,416.8	13,770	7,216	6,554	3,226	4.27	5.63
14 Aurora do Tocantins	1,277.4	3,259	1,709	1,550	839	3.88	2.55
15 Arraias	5,419.0	11,533	6,003	5,530	2,575	4.48	2.13



Table IV-1.1 Demographic Structure by Region and Municipality (3/3)

Region Municipality	Area (km <sup>2</sup> )	Population			No. of Household	Average Size of Household	Pop. Density (p/km <sup>2</sup> )
		Total	Male	Female			
16 Parana	12,268.5	9,287	4,924	4,363	2,118	4.38	0.76
17 Novo Alegre	131.9	1,972	1,006	966	436	4.52	14.95
18 Combinado	192.2	4,916	2,543	2,373	1,137	4.32	25.58
19 Chapada da Natividade		3,010	1,680	1,330	660	4.56	
20 Lavandeira		1,112	590	522	259	4.29	
Southwest	40,496.8	48,660	25,609	23,051	11,511	4.23	1.20
1 Lagoa da Confusao	10,602.5	4,955	2,655	2,300	1,033	4.80	0.47
2 Cristalandia	4,505.3	7,837	4,002	3,835	1,809	4.33	1.74
3 Formoso do Araguaia	13,193.2	18,363	9,697	8,666	4,128	4.45	1.39
4 Duere	3,465.8	4,195	2,255	1,940	1,073	3.91	1.21
5 Sandolandia	3,542.0	3,495	1,928	1,567	891	3.92	0.99
6 Araguacu	5,188.0	9,815	5,072	4,743	2,577	3.81	1.89
South	22,676.0	114,777	57,487	57,290	28,111	4.08	5.06
1 Alianca do Tocantins	2,572.2	6,046	3,106	2,940	1,406	4.30	2.35
2 Gurupi	1,846.6	65,656	31,991	33,665	15,934	4.12	35.56
3 Peixe	7,092.8	8,212	4,337	3,875	1,995	4.12	1.16
4 Cariri do Tocantins	1,068.5	2,475	1,311	1,164	680	3.64	2.32
5 Sucupira	1,010.3	1,303	669	634	339	3.84	1.29
6 Figueiropolis	2,201.4	6,082	3,191	2,891	1,556	3.91	2.76
7 Alvorada	2,304.2	9,136	4,573	4,563	2,274	4.02	3.96
8 Jau do Tocantins	1,442.2	3,439	1,906	1,533	818	4.20	2.38
9 Sao Salvador do Tocantins	1,338.9	2,230	1,104	1,126	486	4.59	1.67
10 Palmeiropolis	1,798.9	7,395	3,758	3,637	1,887	3.92	4.11
11 Crixas do Tocantins		1,183	649	534	275	4.30	
12 Talisma		1,620	892	728	461	3.51	
Total of the State	278,421	1,049,823	537,014	512,809	239,879	4.38	3.77

Source: Census 1996 (Preliminary Data), IBGE

Note: Municipalities which have blanked cell at Area were newly established in January 1st, 1997, detached from the existing municipalities.

Table IV-1.2 (1) Rural and Urban Population and Households (1/3)

Region and Municipality	Rural					Urban				
	Population	%	Households	%	Ave. Size III	Population	%	Households	%	Ave. Size III
<b>EXTREME NORTH</b>	60,594	38	12,681	40	4.78	99,307	62	20,906	60	4.75
1 Esperantina	3,151	53	659	54	4.78	2,806	47	570	46	4.92
2 Sao Sebastiao do Tocantins	493	14	102	14	4.83	3,023	86	623	86	4.85
3 Araguatins	8,110	36	1,649	35	4.92	14,468	64	3,070	65	4.71
4 Buriti do Tocantins	1,675	22	346	22	4.84	5,902	78	1,226	78	4.81
5 Carrasco Bonito	1,457	53	322	55	4.52	1,272	47	262	45	4.85
6 Sampaio	682	24	154	26	4.43	2,148	76	435	74	4.94
7 Augustinopolis	2,592	19	517	19	5.01	11,312	81	2,191	81	5.16
8 Praia Norte	2,150	42	431	41	4.99	2,999	58	609	59	4.92
9 Aoxia do Tocantins	2,365	24	487	23	4.86	7,367	76	1,604	77	4.59
10 Sitio Novo do Tocantins	5,390	53	1,067	51	5.05	4,734	47	1,033	49	4.58
11 Sao Miguel do Tocantins	6,471	78	1,448	78	4.47	1,836	22	405	22	4.53
12 Itaguatins	4,486	69	946	68	4.74	2,003	31	437	32	4.58
13 Sao Bento do Tocantins	1,732	61	350	61	4.95	1,096	39	225	39	4.87
14 Cachoeirinha	289	16	57	16	5.07	1,521	84	298	84	5.10
15 Maurilandia do Tocantins	1,273	47	291	48	4.37	1,454	53	316	52	4.60
16 Ananas	2,426	25	515	26	4.71	7,246	75	1,491	74	4.86
17 Angico	1,230	45	258	46	4.77	1,529	55	297	54	5.15
18 Nazare	3,226	66	661	65	4.88	1,672	34	354	35	4.72
19 Tocantinopolis	3,438	18	785	19	4.38	15,249	81	3,424	81	4.45
20 Riachinho	2,085	59	433	60	4.82	1,420	41	290	40	4.90
21 Palmeiras do Tocantins	1,059	30	230	31	4.60	2,438	70	505	69	4.83
22 Darcinopolis	2,057	53	451	52	4.56	1,842	47	415	48	4.44
23 Aguiatanopolis	860	32	175	31	4.91	1,852	68	389	69	4.76
24 Luzinopolis	745	48	155	48	4.81	805	52	170	52	4.74
25 Santa Terezinha do Tocantins	952	42	192	42	4.96	1,313	58	267	58	4.92
<b>NORTH</b>	32,627	19	7,538	19	4.33	139,820	81	31,584	81	4.43
1 Xambioa	1,091	10	286	12	3.81	10,077	90	2,157	88	4.67
2 Araguana	1,216	40	292	42	4.16	1,853	60	401	58	4.62
3 Piraque	728	41	200	48	3.64	1,060	59	218	52	4.86
4 Wanderlandia	4,922	48	1,081	47	4.55	5,350	52	1,197	53	4.47
5 Aragonimas	773	22	207	26	3.73	2,714	78	576	74	4.71
6 Carmolandia	221	14	59	16	3.75	1,392	86	307	84	4.53
7 Babaculandia	4,562	52	1,052	54	4.34	4,211	48	885	46	4.76
8 Santa Fe do Araguaia	1,462	34	322	35	4.54	2,870	66	596	65	4.82
9 Muricilandia	885	29	242	35	3.66	2,153	71	451	65	4.77
10 Araguaia	6,461	6	1,571	6	4.11	98,539	94	22,688	94	4.34
11 Nova Olinda	3,248	37	743	37	4.37	5,480	63	1,248	63	4.39
12 Filadelfia	3,999	54	849	54	4.71	3,399	46	712	46	4.77
13 Palmeirante	3,059	81	634	81	4.82	722	19	148	19	4.88
<b>NORTHEAST</b>	27,414	58	5,501	55	4.98	20,248	42	4,466	45	4.53
1 Goiatins	7,031	64	1,402	63	5.01	3,983	36	830	37	4.80
2 Itapiratins	2,367	70	525	70	4.51	1,025	30	226	30	4.54
3 Campos Lindos	3,888	76	725	75	5.36	1,230	24	244	25	5.04
4 Santa Maria do Tocantins	1,422	65	280	62	5.08	769	35	175	38	4.39
5 Recursolandia	2,159	70	415	69	5.20	908	30	185	31	4.91
6 Itacaja	3,198	49	672	46	4.76	3,354	51	801	54	4.19
7 Bom Jesus do Tocantins	1,451	64	311	61	4.67	826	36	196	39	4.21
8 Pedro Afonso	1,926	22	395	21	4.88	6,720	78	1,508	79	4.46
9 Centenario	1,642	75	322	72	5.10	548	25	125	28	4.38
10 Barra do Ouro	2,330	72	454	72	5.13	885	28	176	28	5.03
<b>NORTHWEST</b>	27,939	28	6,778	28	4.12	72,363	72	17,059	72	4.24
1 Pau D'arco	2,267	46	549	49	4.13	2,615	54	576	51	4.54
2 Arapoema	1,360	21	318	24	3.91	5,133	79	1,121	76	4.58
3 Bernardo Sayao	2,452	57	582	57	4.21	1,861	43	436	43	4.27
4 Colinas do Tocantins	1,760	7	464	8	3.79	22,723	93	5,438	92	4.18

Table IV-1.2 (1) Rural and Urban Population and Households (2/3)

Region and Municipality	Rural					Urban				
	Population	%	Households	%	Ave. Size III	Population	%	Households	%	Ave. Size III
5 Juarina	1,439	60	326	62	4.41	943	40	203	38	4.65
6 Couto Magalhaes	2,364	54	555	56	4.26	1,994	46	439	44	4.54
7 Pequiizeiro	1,338	37	339	40	3.95	2,241	63	517	60	4.33
8 Itapora	1,634	51	393	52	4.16	1,580	49	366	48	4.32
9 Presidente Kennedy	816	20	192	20	4.25	3,336	80	751	80	4.44
10 Brasilandia	839	48	206	48	4.07	923	52	227	52	4.07
11 Tupiratins	555	42	129	43	4.30	756	58	171	57	4.42
12 Goianorte	2,874	56	627	54	4.58	2,257	44	531	46	4.25
13 Colmeia	2,768	30	680	30	4.07	6,365	70	1,576	70	4.04
14 Guarai	2,688	14	705	15	3.81	16,715	86	4,055	85	4.12
15 Fortaleza do Tabocao	761	34	187	35	4.07	1,449	66	354	65	4.09
16 Bandeirante do Tocantins	1,197	50	285	55	4.20	1,210	50	231	45	5.24
17 Tupirama	827	76	211	76	3.92	262	24	67	24	3.91
<b>EAST</b>	<b>15,876</b>	<b>58</b>	<b>3,111</b>	<b>56</b>	<b>5.10</b>	<b>11,684</b>	<b>42</b>	<b>2,483</b>	<b>44</b>	<b>4.71</b>
1 Rio Sono	4,618	71	896	68	5.15	1,919	29	429	32	4.47
2 Lizarda	2,604	64	483	62	5.39	1,485	36	299	38	4.97
3 Novo Acordo	1,045	35	210	32	4.98	1,917	65	443	68	4.33
4 Sao Felix do Tocantins	845	73	147	71	5.75	312	27	60	29	5.20
5 Mateiros	1,008	68	192	66	5.25	484	32	100	34	4.84
6 Lagoa do Tocantins	1,313	50	253	48	5.19	1,305	50	274	52	4.76
7 Santa Tereza do Tocantins	858	40	165	39	5.20	1,287	60	262	61	4.91
8 Ponte Alta do Tocantins	3,585	55	765	55	4.69	2,975	45	616	45	4.83
<b>CENTER-WEST</b>	<b>22,377</b>	<b>26</b>	<b>5,590</b>	<b>27</b>	<b>4.00</b>	<b>65,261</b>	<b>74</b>	<b>15,331</b>	<b>73</b>	<b>4.26</b>
1 Araguacema	1,376	29	320	30	4.30	3,336	71	733	70	4.55
2 Dois Irmaos do Tocantins	5,452	72	1,272	71	4.29	2,103	28	517	29	4.07
3 Miranorte	1,641	15	422	16	3.89	9,127	85	2,194	84	4.16
4 Caseara	1,171	32	264	33	4.44	2,453	68	535	67	4.59
5 Abreulandia	1,367	70	318	69	4.30	595	30	143	31	4.16
6 Pium	2,519	44	567	44	4.44	3,160	56	721	56	4.38
7 Marianopolis do Tocantins	858	33	235	36	3.65	1,746	67	413	64	4.23
8 Divinopolis do Tocantins	1,645	31	417	32	3.94	3,710	69	876	68	4.24
9 Barrolandia	926	19	241	20	3.84	4,001	81	938	80	4.27
10 Paraíso	1,817	6	659	8	2.76	31,057	94	7,327	92	4.24
11 Nova Rosalandia	1,010	28	242	29	4.17	2,576	72	600	71	4.29
12 Pugnil	404	32	104	33	3.88	865	68	213	67	4.06
13 Chapada de Areia	732	70	175	74	4.18	321	30	63	26	5.10
14 Monte Santo do Tocantins	1,459	87	354	86	4.12	211	13	58	14	3.64
<b>CENTRAL</b>	<b>27,756</b>	<b>15</b>	<b>6,141</b>	<b>14</b>	<b>4.52</b>	<b>153,397</b>	<b>85</b>	<b>36,653</b>	<b>86</b>	<b>4.19</b>
1 Rio do Bois	982	48	223	47	4.40	1,066	52	252	53	4.23
2 Miracema do Tocantins	2,862	16	707	17	4.05	14,616	84	3,479	83	4.20
3 Tocantinia	2,377	46	497	42	4.78	2,792	54	673	58	4.15
4 Port Nacional	5,670	13	1,257	14	4.51	36,544	87	7,999	86	4.57
5 Palmas	3,568	4	796	4	4.48	82,333	96	20,732	96	3.97
6 Lageado	681	49	157	48	4.34	711	51	169	52	4.21
7 Aparecida do Rio Negro	1,019	28	220	28	4.63	2,623	72	556	72	4.72
8 Fatima	943	27	216	27	4.37	2,526	73	598	73	4.22
9 Brejinho de Nazare	1,200	23	286	26	4.20	3,967	77	828	74	4.79
10 Monte do Carmo	3,781	63	800	63	4.73	2,201	37	462	37	4.76
11 Silvanopolis	2,081	42	424	40	4.91	2,888	58	649	60	4.45
12 Oliveira de Fatima	267	35	66	38	4.05	487	65	107	62	4.55
13 Ipueiras	832	73	189	74	4.40	314	27	65	26	4.83
14 Sant Rita do Tocantins	1,493	82	303	78	4.93	329	18	84	22	3.92
<b>SOUTHEAST</b>	<b>48,911</b>	<b>45</b>	<b>10,861</b>	<b>44</b>	<b>4.51</b>	<b>60,782</b>	<b>55</b>	<b>13,574</b>	<b>56</b>	<b>4.48</b>
1 Natividade	2,521	29	601	31	4.19	6,094	71	1,359	69	4.48
2 Santa Rosa do Tocantins	1,633	43	427	55	3.82	2,126	57	352	45	6.04
3 Sao Valerio da Natividade	2,599	54	635	56	4.09	2,208	46	493	44	4.48

Table IV-1.2 (1) Rural and Urban Population and Households (3/3)

Region and Municipality	Rural					Urban				
	Population	%	Households	%	Ave. Size III	Population	%	Households	%	Ave. Size III
4 Pindorama do Tocantins	2,691	57	519	53	5.18	2,026	43	455	47	4.45
5 Almas	2,909	38	579	35	5.02	4,846	62	1,099	65	4.41
6 Rio da Conceicao	251	24	45	23	5.58	787	76	155	78	5.08
7 Porto Alegre do Tocantins	1,234	50	272	50	4.54	1,228	50	276	50	4.45
8 Dianopolis	3,840	26	813	26	4.72	11,031	74	2,332	74	4.73
9 Novo Jardim	902	45	184	46	4.90	1,105	55	218	54	5.07
10 Conceicao do Tocantins	2,139	49	436	48	4.91	2,260	51	480	52	4.71
11 Taipas do Tocantins	774	45	162	45	4.78	947	55	195	55	4.86
12 Ponte Alta do Bom Jesus	2,712	58	631	57	4.30	2,001	42	467	43	4.28
13 Taguatinga	6,081	44	1,387	43	4.38	7,689	56	1,839	57	4.18
14 Aurora do Tocantins	1,085	33	299	36	3.63	2,174	67	540	64	4.03
15 Arraias	5,920	51	1,282	50	4.62	5,613	49	1,293	50	4.34
16 Parana	7,071	76	1,573	74	4.50	2,216	24	545	26	4.07
17 Novo Alegre	443	22	90	21	4.92	1,529	78	346	79	4.42
18 Combinado	1,126	23	263	23	4.28	3,790	77	874	77	4.34
19 Chapada da Natividade	2,307	77	491	74	4.70	703	23	169	26	4.16
20 Lavandeira	703	63	172	66	4.09	409	37	87	34	4.70
<b>SOUTHWEST</b>	<b>16,942</b>	<b>35</b>	<b>4,179</b>	<b>36</b>	<b>4.05</b>	<b>31,718</b>	<b>65</b>	<b>7,332</b>	<b>64</b>	<b>4.33</b>
1 Lagoa da Confusao	2,212	45	408	39	5.42	2,743	55	625	61	4.39
2 Cristalandia	662	8	177	10	3.74	7,175	92	1,632	90	4.40
3 Formoso do Araguaia	6,600	36	1,549	38	4.26	11,763	64	2,579	62	4.56
4 Duere	1,635	39	469	44	3.49	2,560	61	604	56	4.24
5 Sandolandia	2,234	64	579	65	3.86	1,261	36	312	35	4.04
6 Araguaacu	3,599	37	997	39	3.61	6,216	63	1,580	61	3.93
<b>SOUTH</b>	<b>18,448</b>	<b>16</b>	<b>4,750</b>	<b>17</b>	<b>3.88</b>	<b>96,329</b>	<b>84</b>	<b>23,361</b>	<b>83</b>	<b>4.12</b>
1 Alianca do Tocantins	970	16	249	18	3.90	5,076	84	1,157	82	4.39
2 Gurupi	1,742	3	438	3	3.98	63,914	97	15,496	97	4.12
3 Peixe	4,872	59	1,154	58	4.22	3,340	41	841	42	3.97
4 Cariri do Tocantins	749	30	220	32	3.40	1,726	70	460	68	3.75
5 Sucupira	586	45	166	49	3.53	717	55	173	51	4.14
6 Figueiropolis	1,286	21	367	24	3.50	4,796	79	1,189	76	4.03
7 Alvorada	758	8	236	10	3.21	8,378	92	2,038	90	4.11
8 Jau do Tocantins	2,624	76	633	77	4.15	815	24	185	23	4.41
9 Sao Salvador do Tocantins	1,381	62	301	62	4.59	849	38	185	38	4.59
10 Palmeiropolis	1,862	25	516	27	3.61	5,533	75	1,371	73	4.04
11 Crixas do Tocantins	580	49	144	52	4.03	603	51	131	48	4.60
12 Talisma	1,038	64	326	71	3.18	582	36	135	29	4.31
<b>Total of the State</b>	<b>298,914</b>	<b>28</b>	<b>67,130</b>	<b>28</b>	<b>4.45</b>	<b>750,909</b>	<b>72</b>	<b>172,749</b>	<b>72</b>	<b>4.35</b>

Source: Census 1996 (Preliminary Data), IBGE.

Table IV-1.2 (2) Rural and Urban Population by Region

Region	Rural				Urban					
	Population	%	Household	%	Average Size HH	Population	%	Household	%	Average Size HH
Extreme North	60,594	38	12,681	40	4.78	99,307	62	20,906	60	4.75
North	32,627	19	7,538	19	4.33	139,820	81	31,584	81	4.43
Northeast	27,414	58	5,501	55	4.98	20,248	42	4,466	45	4.53
Northwest	27,939	28	6,778	28	4.12	72,363	72	17,059	72	4.24
East	15,876	58	3,111	56	5.10	11,684	42	2,483	44	4.71
Center-West	22,377	26	5,590	27	4.00	65,261	74	15,331	73	4.26
Central	27,756	15	6,141	14	4.52	153,397	85	36,653	86	4.19
Southeast	48,941	45	10,861	44	4.51	60,782	55	13,574	56	4.48
Southwest	16,942	35	4,179	36	4.05	31,718	65	7,332	64	4.33
South	18,448	16	4,750	17	3.88	96,329	84	23,361	83	4.12
Total of State	298,914	28	67,130	28	4.45	750,909	72	172,749	72	4.35

Source: Census 1996 (Preliminary Data). IBGE

Table IV-1.3 Growth Rate of Population by Region

Region	Population (1991)			Population (1996)			Growth '91-96 (%)		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Def.
Extreme North	0.47	0.53	141679	0.38	0.62	2E+05	-0.06	0.33	0.15
North	0.24	0.76	152190	0.19	0.81	2E+05	-0.10	0.21	0.13
Northeast	0.69	0.31	45535	0.58	0.42	47662	-0.13	0.44	0.05
Northwest	0.37	0.63	94240	0.28	0.72	1E+05	-0.21	0.23	0.06
East	0.70	0.30	25708	0.58	0.42	27560	-0.12	0.52	0.07
Center-West	0.50	0.50	84015	0.26	0.74	87638	-0.29	1.10	0.40
Center	0.29	0.71	121982	0.15	0.85	2E+05	-0.21	0.77	0.49
Southeast	0.57	0.43	103760	0.45	0.55	1E+05	-0.18	0.37	0.06
Southwest	0.49	0.51	44888	0.35	0.65	48660	-0.22	0.38	0.08
South	0.28	0.72	106119	0.16	0.84	1E+05	-0.38	0.26	0.08
Total	0.4	0.6	920116	0.28	0.72	1E+06	-0.18	0.35	0.17

Source: Census 1991, Census 1996 (preliminary data), IBGE

Table IV-1.4 Distribution of Age Group by Region

Region	< 1 year		1 to 9 years		10 to 19 years		20 to 29 years		30 to 39s years	
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Extreme North	1,955	2,526	18,333	22,136	17,559	17,385	9,419	10,446	6,998	7,446
North	2,703	1,237	25,535	11,038	29,047	9,983	19,751	6,698	13,036	4,652
Northwest	1,313	1,066	12,042	9,916	14,742	6,782	9,296	6,650	6,545	4,428
Northeast	339	999	3,027	8,881	3,537	7,856	2,091	4,759	1,412	3,403
Central-west	1,149	822	11,467	8,083	14,118	7,400	9,040	5,040	6,728	3,634
Central	2,237	1,180	20,745	10,104	21,396	8,644	15,885	5,542	10,796	4,016
East	187	641	1,819	5,450	1,733	4,296	981	2,614	814	1,947
South	1,694	782	16,289	7,667	19,129	7,459	14,215	5,122	9,881	3,631
Southwest	480	592	4,630	6,261	5,679	5,945	3,342	4,180	2,521	2,972
Southeast	1,096	1,802	11,162	17,270	11,419	13,903	6,662	8,439	5,057	6,247
Total of State	13,153	11,647	125,049	106,806	138,359	89,653	90,682	59,490	63,788	42,376
Percentage	53%	47%	54%	46%	61%	39%	60%	40%	60%	40%

Source: Census 1991

Region	40 to 49 years		50 to 59 years		60 to 69 years		70 years +		Total	
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Extreme North	5,322	5,581	3,804	4,236	2,387	2,512	1,818	1,677	67,595	73,934
North	8,932	3,454	5,616	2,419	3,399	1,490	2,208	904	110,227	41,875
Northwest	4,702	3,351	2,992	2,297	1,816	1,263	1,313	741	54,761	39,494
Northeast	1,080	2,493	765	1,771	553	1,198	476	889	13,280	32,249
Central-west	4,330	2,705	2,850	1,901	1,780	1,031	1,336	635	52,798	31,251
Central	6,467	2,777	4,103	2,045	2,354	1,187	1,773	751	85,756	36,246
East	546	1,514	336	1,089	266	709	221	458	6,903	18,718
South	6,020	2,677	3,749	1,841	2,278	1,022	1,591	607	74,846	30,808
Southwest	1,664	2,047	1,109	1,415	729	805	557	417	20,711	24,634
Southeast	3,359	4,966	2,199	3,476	1,462	2,307	1,343	1,608	43,759	60,018
Total of State	42,422	31,565	27,523	22,490	17,024	13,524	12,636	8,687	530,636	389,227
Percentage	57%	43%	55%	45%	56%	44%	59%	41%	58%	42%

Source: Census 1991

Table IV-1.5 Labor Population by Industry

Categories	Total	Male	%	Female	%
Agriculture	191,084	142,214	74%	48,870	26%
Manufacture Industry	21,157	19,387	92%	1,770	8%
Construction	21,502	21,082	98%	420	2%
Other Industry	4,066	3,446	85%	620	15%
Commerce	50,105	31,048	62%	19,057	38%
Financing Services	73,922	24,031	33%	49,891	67%
Auxilar Services	6,244	5,078	81%	1,166	19%
Transport and Communications	9,385	9,275	99%	110	1%
Social Services	40,579	10,858	27%	29,721	73%
Public Services	24,692	16,872	68%	7,820	32%
Others	3,042	1,458	48%	1,584	52%
<b>Total</b>	<b>445,778</b>	<b>284,749</b>	<b>64%</b>	<b>161,029</b>	<b>36%</b>

Source: Sampled Household Survey 1995, IBGE

Note: Labor population is 10 years old and over.



Table IV-2.1(1) Poverty Index

MUNICIPALITY	REGION	% of Head of Household with up to 1 person	Literacy Rate 15 years old and over	% of Urbane H.H with inadequate water supply	Poverty Index	Classification
Sampaio, Carrasco Bonito	E.N	100.000	100.000	73.660	91.220	1
Praia Norte	E.N	67.814	86.728	100.000	84.847	2
Axixa do Tocantins	E.N	82.784	87.414	83.630	84.609	3
Sao Sebastiao, Esperantina	E.N	63.922	91.076	95.650	83.549	4
Buriti do Tocantins	E.N	84.132	72.311	90.660	82.367	5
Sitio Novo do Tocantins	E.N	76.198	55.810	94.630	75.546	6
Babaculandia	N	76.946	53.318	89.390	73.218	7
Ponte Alta do Bom Jesus	S.E	93.713	73.455	46.550	71.239	8
Araguatins, Sao Bento	E.N	79.641	58.810	73.270	70.573	9
Nazare, Angico	E.N	82.635	51.716	77.110	70.487	10
Porto Alegre do Tocantins	S.E	72.605	54.233	80.180	69.006	11
Goiatins, Campos Lindos	N.E	68.263	75.057	63.170	68.830	12
Parana	S.E	65.719	74.600	66.110	68.809	13
Santa Tereza do Tocantins	E	77.545	30.892	96.800	68.412	14
Itaguatins, Sao Miguel	E.N	74.701	64.987	63.300	67.663	15
Lizarda	E	86.387	35.698	79.800	67.295	16
Novo Acordo, Sao Felix	E	74.251	62.471	64.190	66.970	17
Almas	S.E	9.940	59.039	61.640	66.873	18
Itacaja, Itapiratins,	N.E	76.048	61.098	60.740	65.962	19
Recursolandia, Centenario						
Ananas, Riachinho	E.N	66.317	53.318	75.450	65.028	20
Ponte Alta, Mateiros	E	80.090	49.657	64.450	64.732	21
Bernardo Sayao	N.E	65.719	38.215	86.830	63.588	22
Filadelfia, Palmeirante	N	73.503	49.886	62.530	61.973	23
Goianorte	N.W	66.617	32.723	83.500	60.946	24
Brejinho de Nazare	C	61.078	42.792	81.590	61.820	25
Divinopolis do Tocantins	C.W	74.701	38.444	71.360	61.501	26
Santa Rosa do Tocantins	S.E	40.719	52.403	91.300	61.474	27
Taguatinga	S.E	81.737	59.039	42.070	60.948	28
Silvanopolis	C	59.731	40.275	79.920	59.975	29
Marianopolis do Tocantins	C.W	73.204	29.748	74.940	59.297	30
Augustinopolis	E.N	59.880	58.810	58.060	58.916	31
Combinado	S.E	68.413	44.851	61.000	58.088	32
Dois Irmaos do Tocantins	C.W	68.413	25.629	78.640	57.560	33
Araguacema, Abreulandia	C.W	72.754	47.597	52.300	57.550	34
Aurora do Tocantins	S.E	73.802	46.682	50.000	56.828	35
Pindorama do Tocantins	S.E	53.443	35.927	78.390	55.920	36
Barrolandia	C.W	66.467	42.105	59.080	55.884	37
Itaporao do Tocantins	N.W	44.162	39.817	81.460	55.146	38
Aparecida do Rio Negro	C	65.569	24.943	71.990	54.167	39
Xambioa, Piraque	N	52.096	40.732	69.050	53.959	40
Nova Olinda	N	49.701	43.021	68.670	53.797	41

Table IV-2.1(2) Poverty Index

MUNICIPALITY	REGION	% of Head of Household with up to 1 person	Literacy Rate 15 years old and over	% of Urbane H.H with inadequate water supply	Poverty Index	Classification
Rio Sono	E	53.743	44.165	61.510	43.139	42
Natividade	S.E	69.611	41.419	46.550	52.526	43
Caseara	C.W	50.000	37.986	68.160	52.048	44
Fatima	C	61.976	11.899	82.230	52.035	45
Nova Rosalandia	C.W	52.395	22.654	78.900	51.316	46
Arapoema, Pau D'arco	N.W	37.535	53.318	62.020	50.957	47

Pte. Kennedy, Brasilândia	N.W	44.910	32.494	75.190	50.864	48
Tupiratins						
Pequizeiro	N.W	29.042	42.563	78.260	49.955	49
Tocantinia, Lageado	C	68.114	32.952	44.880	48.648	50
Wanderlândia	N	41.766	50.801	51.790	48.119	51
Sao Valerio da Natividade	S.E	25.898	51.487	65.860	47.748	52
Arraias, Novo Alegre	S.E	56.886	55.378	30.430	47.564	53
Tocantinópolis	E.N	64.072	50.343	23.150	45.855	54
Cachoeirinha, Darcinópolis						
Palmeiras, Maurilândia						
Figueiropolis, Sucupira	S	59.731	21.739	52.940	44.803	55
Conceicao, Taipas	S.E	60.479	43.707	27.110	437.655	56
Duere	S.W	64.222	39.588	25.190	43.000	57
Alianca do Tocantins	S	52.096	22.197	52.940	42.411	58
Monte do Carmo	C	43.713	39.359	40.030	41.034	59
Colmeia	N.W	41.018	33.410	47.950	40.792	60
Pium	C.W	44.611	29.519	46.930	40.353	61
Formoso do Araguaia	S.W	38.922	21.510	60.230	40.220	62
Peixe, Jau do Tocantins	S	57.036	42.729	19.690	39.839	63
Couto Magalhaes, Juarina	N.W	58.383	49.199	1.410	36.330	64
Colinas do Tocantins	N.W	37.725	23.799	43.730	35.084	65
Miranorte	C.W	54.940	21.281	29.030	35.083	66
Pedro Afonso, Santa Maria	N.E	53.144	27.689	16.240	32.357	67
Bom Jesus do Tocantins						
Cristalândia, Lagos da Conf.	S.W	44.012	40.275	12.660	32.315	68
Guarai, Fortaleza do To.	N.W	46.407	22.883	26.470	31.920	69
Araguacu, Sandolândia	S.W	43.263	22.883	22.250	29.465	70
Araguaina, Araguana	N	36.527	17.849	33.890	29.422	71
Carmolândia, Muricilândia						
Santa Fe, Aragominas						
Miracema, Rio do Bois	C	29.790	21.739	32.230	27.919	72
Port Nacional	C	33.982	10.984	37.600	27.522	73
Dianópolis, Rio da Conce.	S.E	30.240	37.529	10.230	25.999	74
Palmeiropolis, Sao Salvador	S	36.976	24.485	0.000	20.487	75
Palmas	C	0.000	0.000	54.480	18.160	76
Alvorada	S	26.946	12.815	13.810	17.857	77

Table IV-2.1(3) Poverty Index

MUNICIPALITY	REGION	% of Head of Household with up to 1 person	Literacy Rate 15 years old and over	% of Urbane H.H with inadequate water supply	Poverty Index	Classification
Gurupi, Cariri do To.	S	20.210	1.831	24.040	15.360	78
Paraiso do Tocantins	C.W	9.281	6.407	8.950	8.212	79
TOCANTINS STATE		49.102	33.867	42.200	41.723	

Source: Programa Comunidade Solidaria, SEPLAN

REGION : E.N - Extreme North, N - North, N.E - Northeast, N.W - Northwest, C - Central  
C.W - Central West, E - East, S.E - Southeast, S.W - Southwest, S - South

Table IV-2.2 Indigenous Groups

Name of Tribe	Linguistic Group	Settlement Place and Reservation Area	Population	Remarks
KARAJA	Macro-Je	6 settlements in the Araguaia Indian Park of the Bananal Island Area: 1,395,000 ha	1,801	
JAVAE	Macro-Je	7 settlements in the Araguaia Indian Park of the Bananal Island Area: 160,784 ha	285	Sub-group of Karaja
XAMBIOA	Macro-Je	1 settlement in the Xambioa municip. along the Araguaia river Area: 3,265 ha	176	Sub-group of Karaja
APINAJE	Je	7 settlements in the Tocantinopolis municipality Area: 141,904 ha	714	
KRAHO	Timbira	13 settlements in the Goiatins and Itacaja municipalities Area: 302,533 ha	1,198	
XERENIE	Je	33 settlements in the Tocantinia municipality. Area: 167,542 ha	1,095	
Total			5,273	

Source: Annual Statistics of Brazil, 1995

Table IV-2.3 INCRA's Settlement

Region	Municipality	No. of Settlement	Area (ha)	No. of Families
Extreme North	Esperantina	9	15,882	463
	Sao Sebastiao do Tocantins	1	2,748	70
	Araguatins	17	47,513	1,213
	Sampaio	2	5,558	70
	Augustinopolis	1	3,425	220
	Praia Norte	4	11,094	364
	Sitio Novo do Tocantins	3	3,041	74
	Sao Miguel do Tocantins	2	2,742	77
	Itaguaatins	1	1,981	51
	Sao Bento do Tocantins	1	3,199	78
	Angico	1	4,028	66
	Tocantinopolis	1	453	52
	Riachinho	4	10,035	271
	Palmeiras do Tocantins	1	2,034	66
	Darcinopolis	2	6,865	141
	Sub-total	50	120,598	3,276
North	Xambioa	1	3,329	105
	Piraque	3	12,332	284
	Aragominas	1	5,000	145
	Santa Fe do Araguaia	1	3,976	35
	Muricilandia	1	5,442	36
	Araguaina	3	13,152	292
	Nova Olinda	1	30,953	313
		Sub-total	11	74,184
Northeast	Santa Maria do Tocantins	1	296	28
	Recursolandia	1	2,186	43
	Pedro Afonso	1	7,118	200
	Sub-total	3	9,600	271
Northwest	Pau D'arco	3	16,354	213
	Araguaina/Pau D'arco	1	5,150	106
	Juarina/Bernrdo Sayon	1	30,652	586
	Couto Magalhaes	2	7,020	124
	Pequizeiro	1	2,629	54
	Colmeia	1	1,842	56
	Bandeirante do Tocantins	2	2,226	51
	Sub-total	17	65,873	1,190
Center-West	Araguacema	3	17,690	384
	Caseara	4	5,827	128
	Abreulandia	1	2,962	18
	Divinopolis do Tocantins	4	7,343	140
	Sub-total	12	33,822	670
Central	Rio Dos Bois	1	1,647	27
	Tocantinia	1	1,217	24
	Porto Nacional	4	8,465	162
	Palmas/Porto Nacional	1	4,083	54

	Palmas	1	1,987	25
	Monte do Carmo	1	2,360	39
	Silvanopolis	1	1,710	16
	Sub-total	10	21,469	347
Southeast	Sao Valerio da Natividade	4	17,487	194
	Natividade	1	6,670	76
	Chapada da Natividade	2	8,518	86
	Dianopolis	1	4,060	85
	Taguatinga	1	2,401	50
	Sub-total	9	39,136	491
Southwest	Lagoa da Confusao	1	39,338	415
	Formoso do Araguaia	1	17,119	480
	Figueropolis/Formoso	1	9,219	84
	Sandolandia	3	15,162	196
	Sub-total	6	80,838	1175
South	Peixe	1	31,338	313
	Sub-total	1	31,338	313
	Total of the State	119	476,858	8,943

Source: INCRA Regional Office

Table IV-2.4 Rural Producers' Association - Registered

Region	Municipality	No. of Associations	No. of Members
Extreme North	Esperantina	2	86
	Sao Sebastiao do Tocantins	2	80
	Araguatins	5	421
	Carrasco Bonito	2	113
	Augustinopolis	4	304
	Praia Norte	2	122
	Axixa do Tocantins	1	52
	Sitio Novo do Tocantins	2	199
	Sao Miguel do Tocantins	1	- *
	Itaguatins	5	339
	Sao Bento do Tocantins	2	167
	Ananas	1	36
	Angico	1	75
	Nazare	4	187
	Tocantinopolis	1	16
	Riachinho	4	470
	Palmeiras do Tocantins	1	75
	Darcinopolis	5	299
	Aguiarnopolis	1	62
	Sub-total	46	3,103
North	Xambioa	2	90
	Araguana	1	16
	Piraque	3	170
	Wanderlandia	3	135
	Aragominas	2	95
	Babaculandia	5	200
	Santa Fe do Araguaia	2	216
	Muricilandia	1	26
	Araguaina	8	286
	Nova Olinda	5	284
	Filadelfia	3	231
	Palmeirante	1	40
	Sub-total	36	1,789
Northeast	Goiatins	1	180
	Itapiratins	1	55
	Recursolandia	5	215
	Itacaja	3	113
	Bom Jesus do Tocantins	1	40
	Pedro Afonso	2	152
	Centenario	1	24
	Sub-total	14	779
Northwest	Pau D'arco	3	157
	Arapoema	5	152

Table IV-2.4 Rural Producers' Association - Registered (1/2)

Region	Municipality	No. of Associations	No. of Members
	Bernardo Sayon	3	657
	Colinas do Tocantins	4	149
	Juarina	1	52
	Couto Magalhaes	4	420
	Pequizeiro	2	44
	Itapora	1	91
	Presidente Kennedy	1	302
	Brasilandia	1	50
	Tupiratins	1	20
	Goianorte	2	110
	Colmeia	1	59
	Guarai	1	52
	Fortaleza do Tabocao	1	51
	Sub-total	31	2,366
East	Rio Sono	3	86
	Novo Acordo	1	60
	Santa Tereza do Tocantins	2	129
	Ponte Alta do Tocantins	3	102
	Sub-total	9	377
Center-West	Araguacema	2	136
	Dois Irmaos do Tocantins	3	668
	Miranorte	3	57
	Caseara	4	131
	Abreulandia	1	37
	Pium	4	188
	Marianopolis	1	25
	Divinopolis do Tocantins	3	141
	Barrolandia	2	109
	Paraiso do Tocantins	1	150
	Nova Rosalandia	1	200
	Pugmil	2	69
	Chapada da Areia	1	44
	Sub-total	28	1,955
Central	Miracema do Tocantins	2	60
	Tocantinia	4	143
	Porto Nacional	25	1,165
	Palmas	35	1,695
	Lageado	4	241
	Aparecida do Rio Negro	5	260
	Fatima	3	128
	Brejinho de Nazare	5	196
	Monte do Carmo	4	124
	Silvanopolis	4	96

Table IV-2.4 Rural Producers' Association - Registered (2/2)

Region	Municipality	No. of Associations	No. of Members
	Santa Rita do Tocantins	1	30
	Sub-total	92	4,138
Southeast	Natividade	4	147
	Santa Rosa do Tocantins	3	112
	Sao Valerio da Natividade	6	196
	Pindorama do Tocantins	2	117
	Almas	1	23
	Rio da Conceicao	1	26
	Porto Alegre do Tocantins	2	82
	Dianopolis	2	57
	Conceicao do Tocantins	1	113
	Ponte Alta do Bom Jesus	1	*
	Taguatinga	1	67
	Aurora do Tocantins	2	35
	Arraias	2	71
	Parana	1	200
	Novo Alegre	1	23
	Combinado	1	229
	Chapada da Natividade	1	148
	Lavandeira do Tocantins	1	20
	Sub-total	33	1,666
Southwest	Lagoa da Confusao	3	140
	Cristalandia	1	74
	Formoso do Araguaia	4	125
	Duere	3	103
	Sandolandia	5	134
	Araguacu	3	76
	Sub-total	19	652
South	Arianca do Tocantins	4	321
	Gurupi	8	355
	Peixe	6	199
	Cariri do Tocantins	2	217
	Sucupira	3	161
	Figueiropolis	3	47
	Alvorada	2	47
	Jau do Tocantins	6	121
	Sao Salvador do Tocantins	1	29
	Palmeiropolis	1	52
	Crixas do Tocantins	1	29
	Sub-total	37	1,578
Total of the State		345	18,403

Source: State Secretariat of Agriculture

Note: \* unknown



Table IV-2.5 Agricultural Cooperatives and Rural Syndicates (1/2)

Region	Municipality	No. of Cooperatives	No. of Members
<b>Agricultural Cooperative</b>			
Extreme North	Augustinopolis	1	180
Center-West	Paraiso do Tocantins	2	915
Central	Miracema do Tocantins	1	300
	Porto Nacional	2	904
Southwest	Paraiso do Araguaia	1	35
	Lagoa da Confusao	1	99
South	Gurupi	2	945
	Alvorada	1	240
	<b>Total</b>	<b>11</b>	<b>3,618</b>
<b>Rural Syndicates</b>			
Extreme North	Ananas	1	
	Araguatins	1	
	Augustinopolis	1	
	Sampaio	1	
	Tocantinopolis	1	
	<b>Sub-total</b>	<b>5</b>	
North	Araguaina	1	
	Xambioa	1	
	<b>Sub-total</b>	<b>2</b>	
Northeast	Goiatins	1	
	Pedro Afonso	1	
	<b>Sub-total</b>	<b>2</b>	
Northwest	Arapoema	1	
	Colinas do Tocantins	1	
	Colmeia	1	
	Guarai	1	
	<b>Sub-total</b>	<b>4</b>	
Center-West	Baarrolandia	1	
	Dois Irmaos	1	
	Marianopolis	1	
	Miranorte	1	
	Paraiso do Tocantins	1	
	Pium	1	
	<b>Sub-total</b>	<b>6</b>	
Central	Fatima	1	
	Miracema do Tocantins	1	
	Palmas	1	
	Porto Nacional	1	
	<b>Sub-total</b>	<b>4</b>	

Table IV-2.5 Agricultural Cooperatives and Rural Syndicates (2/2)

Region	Municipality	No. of Cooperatives	No. of Members
Southeast	Almas	1	
	Arraias	1	
	Dianopolis	1	
	Natividade	1	
	Parana	1	
	Ponte Alta de Bom Jesus	1	
	Sao Valerio da Natividade	1	
	Taguatinga	1	
	Sub-total	8	
Southwest	Araguacu	1	
	Cristalândia	1	
	Formoso do Araguaia	1	
	Lagoa da Confucao	1	
		Sub-total	4
South	Alianca do Tocantins	1	
	Alvorada	1	
	Figueiropolis	1	
	Gurupi	1	
	Palmeiropolis	1	
	Peixe	1	
	Sub-total	6	
<b>Total of Rural Syndicates</b>		<b>41</b>	

Source: State Secretariat of Agriculture

Note: Average member of each rural syndicate is approximately 110,  
but in Araguaina and Gurupi there are 1,000 and over.

Table IV-3.1(1) Results of Gender Survey - Extreme North Region (1/2)

**THE ACTIVITY PROFILE (Gender-based division of labor)**

Case: A member of Bico do Papagaio Women Laborers Association (ASMUBIP)

Productive Activities	Male Child	Male Adult	Female Child	Female Adult
Planting, weeding and storing rice	x			x
Harvesting rice	x	x	x	x
Cassava cultivation	x	x	x	x
Maize cultivation	x	x	x	x
Feijao cultivation	x	x	x	x
Banana cultivation		x		
Water melon cultivation		x		x
Vegetable cultivation	x	x	x	x
Home vegetable gardening	x	x	x	x
Farm work in the fazenda		x		
Handicraft and sale	x	x		x
Animal raising	x	x	x	x
<b>Reproductive Activities</b>				
Housekeeping			x	x
Collecting fire wood				x
Fetching water			x	x
Collecting medical herbs			x	x
Animal care	x	x		x
<b>Community Work</b>				
Weddings		x		x
Funerals		x		
Village meetings		x		x

**THE ACCESS AND CONTROL**

Resources	Access		Control	
	Male	Female	Male	Female
<b>Resources for production activities</b>				
1. Land (for each crop)	x	x	x	x
2. Land (for other crop)	x		x	
<b>Resources for irrigation activities</b>				
1. Hour	x	x	x	
2. Labor	x		x	
3. Funds	x		x	
<b>Benefits</b>				
<b>Cash income</b>				
1. Farm products	x		x	
2. Income from another works	x	x	x	
<b>Other benefits</b>				

Table IV-3.1(2) Results of Gender Survey - Extreme North Region (2/2)

THE ACTIVITY PROFILE (Gender-based division of labor hour)

Case: A member of Bico do Papagaio Women Laborers Association (ASMUBIP) Unit: hour

	Male	Female
<b>I. Productive activities</b>		
<b>a. Agriculture</b>		
Work 1: Land preparation	8:00	
Work 2: Seedling	2:00	
Work 3: Transplanting		
Work 4: Fertilizing		
Work 5: Weeding	8:00	4:00
Work 6: Irrigating		
Work 7: Harvesting	8:00	8:00
Work 8: Drying	8:00	8:00
Work 9: Selecting	4:00	3:00
Work 10: Storing	2:00	
Work 11: Transport	2:00	
Work 12: Commercialization	2:00	
<b>b. Other activities which generate supplementary income</b>		
Poultry raising/Pig breeding		
Work 1: Alimentation		1:00
Work 2: Animal care		1:00
Work 3: Sales		1:00
<b>c. Income from other working activities</b>		
Work 1: Farm works in the fazenda	8:00	
Work 2: Construction works		
Work 3: Works in the factory		
<b>d. Others</b>		
<b>2. Reproductive activities</b>		
<b>a. Water</b>		
Work 1: Fetching water		1:00
Work 2: Washing		2:00
<b>b. Collecting fire wood</b>	2:00	2:00
<b>c. Cooking</b>		3:00
<b>d. Child care</b>		2:00
<b>e. Health care</b>		1:00
<b>f. Cleaning</b>		1:00
<b>g. Repairing</b>	1:00	
<b>h. Buying</b>	1:00	1:00
<b>i. Others</b>		

Note: Reproductive activities are daily works, excepting washing, collecting firewood, repairing and buying.

Table IV-3.2(1) Results of Gender Survey - North Region

**THE ACTIVITY PROFILE (Gender-based division of labor)**

Case: A farm household of familiar agriculture

Productive Activities	Male Child	Male Adult	Female Child	Female Adult
Planting, weeding and storing rice		X		X
Harvesting rice		X		X
Cassava cultivation		X		X
Maize cultivation		X		X
Feijao cultivation		X		X
Banana cultivation				
Water melon cultivation		X		X
Cashew cultivation		X		X
Home vegetable gardening		X		X
Farm work in the fazenda		X		
Handicraft and sale				
Animal raising				X
<b>Reproductive Activities</b>				
Housekeeping				X
Collecting fire wood				X
Fetching water				X
Collecting medical herbs				X
Animal care				X
<b>Community Work</b>				
Weddings		X		X
Funerals		X		X
Village meetings		X		X

**THE ACCESS AND CONTROL**

Resources	Access		Control	
	Male	Female	Male	Female
<b>Resources for production activities</b>				
1. Land (for each crop)	X		X	
2. Land (for other crop)	X		X	
<b>Resources for irrigation activities</b>				
1. Hour			X	
2. Labor			X	
3. Funds			X	
<b>Benefits</b>				
<b>Cash income</b>				
1. Farm products				
2. Income from another works	X		X	
<b>Other benefits</b>				

Note: All farm products are for self-consumption.

Table IV-3.2(2) Results of Gender Survey - North Region

THE ACTIVITY PROFILE (Gender-based division of labor hour)		Unit: hour	
Case: A farm household of familiar agriculture		Male	Female
<b>1. Productive activities</b>			
<b>a. Agriculture</b>			
Work 1: Land preparation	8:00		3:00
Work 2: Seedling	2:00		
Work 3: Transplanting			
Work 4: Fertilizing	1:00		
Work 5: Weeding	8:00		3:00
Work 6: Irrigating			
Work 7: Harvesting	8:00		3:00
Work 8: Drying	2:00		3:00
Work 9: Selecting			
Work 10: Storing	2:00		
Work 11: Transport	20:00		20:00
Work 12: Commercialization			
<b>b. Other activities which generate supplementary income</b>			
Poultry raising/Pig breeding			
Work 1: Alimentation			0:30
Work 2: Animal care			0:30
Work 3: Sales			
<b>c. Income from other working activities</b>			
Work 1: Farm works in the fazenda	8:00		
Work 2: Construction works			
Work 3: Works in the factory			
<b>d. Others</b>			
<b>2. Reproductive activities</b>			
<b>a. Water</b>			
Work 1: Fetching water			0:30
Work 2: Washing			2:00
<b>b. Collecting fire wood</b>			
			2:00
<b>c. Cooking</b>			
			2:00
<b>d. Child care</b>			
			0:30
<b>e. Health care</b>			
	3:00		3:00
<b>f. Cleaning</b>			
			0:10
<b>g. Repairing</b>			
	0:30		
<b>h. Buying</b>			
	4:00		4:00
<b>i. Others</b>			

Note: Reproductive activities are daily works, excepting washing, collecting firewood, repairing and buying.

Table IV-3.3(1) Results of Gender Survey - Central Region

**THE ACTIVITY PROFILE (Gender-based division of labor)**

Case: A farm household of familiar agriculture

Productive Activities	Male Child	Male Adult	Female Child	Female Adult
Planting, weeding and storing rice		x		
Harvesting rice		x		x
Cassava cultivation		x		
Maize cultivation		x		
Feijao cultivation		x		
Sugar cane cultivation		x		
Water melon cultivation				
Cashew cultivation				
Home vegetable gardening		x		x
Farm work in the fazenda		x		
Handicraft and sale				
Animal raising		x		
<b>Reproductive Activities</b>				
Housekeeping				x
Collecting fire wood		x		x
Fetching water				x
Collecting medical herbs				x
Animal care		x		
<b>Community Work</b>				
Weddings		x		x
Funerals		x		x
Village meetings		x		x

**THE ACCESS AND CONTROL**

Resources	Access		Control	
	Male	Female	Male	Female
<b>Resources for production activities</b>				
1. Land (for each crop)	x		x	
2. Land (for other crop)	x		x	
<b>Resources for irrigation activities</b>				
1. Hour				
2. Labor				
3. Funds				
<b>Benefits</b>				
<b>Cash income</b>				
1. Farm products	x	x	x	
2. Income from another works	x		x	
<b>Other benefits</b>				

Note: All farm products are for self-consumption.

Table IV-3.3(2) Results of Gender Survey - Central Region

THE ACTIVITY PROFILE (Gender-based division of labor hour)		
Case: A farm household of familiar agriculture	Unit: hour	
	Male	Female
<b>1. Productive activities</b>		
<b>a. Agriculture</b>		
Work 1: Land preparation	8:00	
Work 2: Seedling	1:00	
Work 3: Transplanting		
Work 4: Fertilizing	0:30	
Work 5: Weeding	2:00	
Work 6: Irrigating		
Work 7: Harvesting	2:00	
Work 8: Drying	0:30	
Work 9: Selecting	0:15	
Work 10: Storing	1:00	
Work 11: Transport	0:15	
Work 12: Commercialization	0:45	
<b>b. Other activities which generate supplementary income</b>		
Poultry raising/Pig breeding		
Work 1: Alimentation		0:30
Work 2: Animal care	1:00	0:30
Work 3: Sales	0:30	
<b>c. Income from other working activities</b>		
Work 1: Farm works in the fazenda		
Work 2: Construction works		
Work 3: Works in the factory		
<b>d. Others</b>		
<b>2. Reproductive activities</b>		
<b>a. Water</b>		
Work 1: Fetching water		
Work 2: Washing		2:00
<b>b. Collecting fire wood</b>	0:30	
<b>c. Cooking</b>		3:00
<b>d. Child care</b>		
<b>e. Health care</b>	0:30	0:30
<b>f. Cleaning</b>		0:30
<b>g. Repairing</b>	1:00	
<b>h. Buying</b>		1:00
<b>i. Others</b>		

Note: Reproductive activities are daily works, excepting washing, collecting firewood, repairing and buying.



Table IV-3.4(1) Results of Gender Survey - South Region

**THE ACTIVITY PROFILE (Gender-based division of labor)**

Case: A farm household of familiar agriculture

Productive Activities	Male Child	Male Adult	Female Child	Female Adult
Planting, weeding and storing rice		x		
Harvesting rice	x	x		x
Cassava cultivation				
Maize cultivation		x		x
Feijao cultivation		x		x
Sugar cane cultivation				
Water melon cultivation				
Cashew cultivation				
Home vegetable gardening		x		x
Farm work in the fazenda		x		
Handicraft and sale				
Animal raising		x		
<b>Reproductive Activities</b>				
Housekeeping				x
Collecting fire wood		x		
Fetching water				x
Collecting medical herbs				x
Animal care		x		
<b>Community Work</b>				
Weddings		x		x
Funerals		x		x
Village meetings		x		x

**THE ACCESS AND CONTROL**

Resources	Access		Control	
	Male	Female	Male	Female
<b>Resources for production activities</b>				
1. Land (for each crop)	x		x	
2. Land (for other crop)	x		x	
<b>Resources for irrigation activities</b>				
1. Hour				
2. Labor				
3. Funds				
<b>Benefits</b>				
<b>Cash income</b>				
1. Farm products	x	x	x	x
2. Income from another works				
<b>Other benefits</b>				

Note: All farm products are for self-consumption.

Table IV-3.4(2) Results of Gender Survey - South Region

THE ACTIVITY PROFILE (Gender-based division of labor hour)		Unit: hour
Case: A farm household of familiar agriculture		
	Male	Female
<b>1. Productive activities</b>		
<b>a. Agriculture</b>		
Work 1: Land preparation	3:00	
Work 2: Seedling	1:00	
Work 3: Transplanting		
Work 4: Fertilizing		
Work 5: Weeding	1:00	
Work 6: Irrigating		
Work 7: Harvesting	1:00	
Work 8: Drying	0:30	
Work 9: Selecting	1:00	
Work 10: Storing	1:00	
Work 11: Transport	0:30	
Work 12: Commercialization	0:30	
<b>b. Other activities which generate supplementary income</b>		
Poultry raising/Pig breeding		
Work 1: Alimentation		1:00
Work 2: Animal care		0:30
Work 3: Sales	0:30	
<b>c. Income from other working activities</b>		
Work 1: Farm works in the fazenda		
Work 2: Construction works		
Work 3: Works in the factory		
<b>d. Others</b>		
<b>2. Reproductive activities</b>		
<b>a. Water</b>		
Work 1: Fetching water		1:00
Work 2: Washing		1:00
<b>b. Collecting fire wood</b>	0:30	
<b>c. Cooking</b>		2:00
<b>d. Child care</b>		2:00
<b>e. Health care</b>		1:00
<b>f. Cleaning</b>		0:30
<b>g. Repairing</b>	1:00	
<b>h. Buying</b>		2:00
<b>i. Others</b>		

Note: Reproductive activities are daily works, excepting washing, collecting firewood, repairing and buying.

Table IV-4.1 Number of Schools, Pupils and Teachers (1994)

Region	Primary School			High School		
	No. of School	Pupils	Teachers	No. of School	Students	Teachers
Extreme North	351	48,471	1,744	19	3,557	2,136
North	341	50,800	2,222	30	6,355	435
Northeast	295	14,146	632	8	749	52
Northwest	323	31,754	1,320	19	2,967	197
East	136	7,958	355	6	433	52
Center-West	255	26,921	1,274	15	3,797	222
Central	317	45,801	2,186	27	5,470	403
Southeast	464	31,711	1,517	20	1,797	203
Southwest	145	13,974	647	9	1,570	130
South	221	31,801	1,426	18	4,968	289
Total of the State	2,848	303,337	13,323	171	31,663	4,119

Source: State Statistics of Tocantins

Table IV-4.2 Number of Indigenous Schools, Pupils and Teachers (1997)

Indigenous Group	No. of Schools	Pupils	Teachers	Region	Municipality
Karaja	5	425	25	Southwest	Bananal Island
Javae	5	175	9	Southwest	Formoso do Araguaia
Xambioa	2	85	4	North	Xambioa
Apinaje	7	327	9	Extreme North	Tocantinopolis
Kraho	13	559	15	Northeast	Itacaja
Xerente	24	507	30	Central	Tocantinia
Total	56	2,078	92		

Source: State Secretariat of Education

Table IV-4.3 Number of Public High Schools and Technical High Schools

	Regional Office	Basic	Normal	Account.	Nurses	Electric	Agricult.	Secret.	Admi.	Clinic	Archit.	Comp.	Total	
													Courses	Schools
Arraias	3	4											7	5
Araguaina	31	17	10	1			4						63	30
Araguatins	4	6	5										15	10
Dianopolis	8	6	2									1	17	8
Guarai	12	14	8	2	1		3	1					41	18
Gurupi	15	12	7		1		2						38	17
Miracema	4	10	9	1									24	12
Palmas	7	6	5										18	7
Paraíso	7	12	8	1			3						32	15
Porto Nacional	8	12	4							1			25	15
Tocantinópolis	4	12	3	1									17	10
Total of Course	103	108	61	6	1	2	1	12	1	1	1	1	297	157
Grand Total													338	184

Regular education:

Total of courses: 298

Total of schools: 147

Table IV-4.4 Training of RURALTINS staff for Qualification of Human Resources (1995/1996)

**Agricultural Field**

Subject	Methodology	No. of Participants	Location
Pineapple	Seminar	40	Miracema (To)
Cashew	Course	2	Fortaleza (CE)
Fruit cultivation	Excursion	6	Petrolina (PE)
Fruit cultivation	Excursion	3	Teresina (PI)
Water melon	Course	17	Miracema (To)
Water melon	Excursion	17	Uruana (Go)
Cassava	Course	4	Cruz das Almas (BA)
Horticulture	Seminar	18	Miracema (To)
Horticulture	Excursion	19	Goiania/Brasilia
Horticulture	Course	15	Paraiso (To)
Horticulture	Seminar	25	Palmas (To)
Covered cultivation (greenhouse)	Course	31	Gurupi (To)

Note: To=Tocantins, CE=Ceara, PE=Pernambuco, PI=Piaui, Go=Goiias, BA=Bahia

**Livestock Field**

Subject	Methodology	No. of Participants	Location
Beekeeping	Course	25	Miracema (To)
Beekeeping	Course	12	Barrolandia (To)
Beekeeping	Course	14	Gurupi (To)
Beekeeping	Seminar	11	Palmas (To)
Beekeeping	Course	1	Pindamonhangaba (SP)
Milk cow	Excursion	20	Goiania (Go)
Surgery and physiology of animal reproduction	Course	2	Palmas (To)
Artificial insemination	Seminar	8	Miracema (To)
Artificial insemination	Course	18	Porto Nacional (To)
Pisciculture	Course	23	Paraiso (To)
Pisciculture	Course	14	Araguaina (To)
Pisciculture	Course	1	Pirassununga (SP)
Pisciculture	Seminar	10	Miracema (To)
Pisciculture	Symposium	4	Cuiaba (MT)
Animal reproduction	Symposium	8	Goiania (Go)
Cowboy	Seminar	17	Miracema (To)

Note: To=Tocantins, SP=Sao Paulo, Go=Goiias, MT=Mato Grosso

Table IV-4.4 Training of RURALTINS staff for Qualification of Human Resources (1995/1996) - continuation

**Social Development Field**

Subject	Methodology	No. of Participants	Location
Health/Citizenship	Course	13	Palmas (To)
Home industry of fruits and beekeeping production	Course	15	Miracema (To)

**Several Fields**

Subject	Methodology	No. of Participants	Location
Computer	Course	20	Palmas (To)
Graphic computer design	Seminar	1	Sao Carlos (SP)
Computer	Course	12	Paraiso (To)
Methodology	Seminar	19	Palmas (To)
Initial qualification	Course	88	Miracema (To)
Rural credit	Course	16	Miracema (To)
Topography/Altimetry	Course	18	Porto Nacional (To)
Topography/Planimetry	Course	18	Paraiso (To)
HP micro operator	Course	11	Paraiso (To)
Seedling production	Course	6	Palmas (To)
Diagnosis of agric. production	Seminar	22	Palmas (To)

Source: RURALTINS

Table IV-4.5 Training of Small-scale Rural Producers for  
Qualification of Human Resources (1995/1996)

Courses of the agreement MT/SETAS/RURALTINS with resources from the FAT

Course	Locality			Number of Participants
	Region	Municipality	Community	
Poultry raising	Northwest	Guarai	C. da Matinha	17
Swine raising	Center-West	Pium	Chapada da Areia	10
Handicraft	Extreme North	Esperantina	Rural women group	17
	Center-West	Pium	C. Monte Alegre	18
	Central	Palmas	P.A. Sao Joao	8
	Extreme North	Buriti	Women's nucleus	13
	Sub-total			56
Rural home industry (fruit)	Central	Miracema	-	10
	Northeast	Pedro Afonso	Agrovila	15
	South	Gurupi	Assoc. Trevo do To	14
	Southeast	Taguatinga	P.A. Levantado	15
	Northwest	B. Sayao	Juarina	15
	Central	P. Nacional	C. de Pinheiropolis	17
	Central	Palmas	P.A. Serra de Taquarussu	15
	East	Ponte Alta	Dist. do Gato	15
	Extreme North	Sao Miguel	Mulatos	15
	Extreme North	Sitio Novo	P.A. Pontal	16
	Center-West	Paraiso/Mt. Santo	Assoc. Vale da Agua Fria	25
	Central	P. Nacional	P.A. Sto. Antonio	10
	Central	P. Nacional	P.A. Salvador	12
		Sub-total		
Beekeeping	Central	Miracema	-	14
	East	Rio do Sono	-	10
	Northeast	Pedro Afonso	Agrovila	11
	Southwest	Lagoa da Confusao	Assc. APITO Nucl. Regional do Lorotti	15
	South	Peixe	P.A. Penha	15
	Southeast	Taguatinga	C. Tabajara	10
	North	Araguaina	N.P.A. 1	12
	Northwest	Colinas	N.P.A. 2	15
	Extreme North	Ananas	Riachinho	15
	Extreme North	Sampaio	Sampaio	11
	Extreme North	Araguatins	Barreiro	15
	Center-West	Caseara	P.A. Escondido	12
	East	Ponte Alta	Assc. Mulatense	14
	Sub-total			169
Cowboy	Center-West	Barrolandia	Assc. Serra da Lopa	15
	Central	P. Nacional	P.A. Sto. Antonio	10
	Southeast	Natividade	P.A. Revolucao	10

Table IV-4.5 Training of Small-scale Rural Producers for  
Qualification of Human Resources (1995/1996) (1/2)

Courses of the agreement MT/SETAS/RURALTINS with resources from the FAT

Course	Locality			Number of Participants	
	Region	Municipality	Community		
	Center-West	Miranorte	-	10	
	Center-West	Dois Irmaos	-	13	
	Southeast	Arraias	-	10	
	Southeast	Dianopolis	P.A. Pontinha	8	
	Northeast	Arapoema	P.A. Bandeirante	18	
	Sub-total			94	
Artificial Insemination	Northwest	B. Sayao	Juriana	15	
	Extreme North	Tocantinopolis	P.A. Destilaria	15	
	Extreme North	Augustinopolis	P.A. Faz. Dezesseis	5	
	Center-West	Paraiso	-	11	
	Sub-total			46	
Horticulture	Central	P. Nacional	P.A. Sto. Antonio	10	
	Southeast	Natividade	P.A. Revolucao	10	
	Central	Silvanopolis	P.A. Amarrio	11	
	Central	Palmas	Assc. Taquarussu	17	
	Extreme North	Sitio Novo	P.A. Pontal	17	
	Extreme North	Buriti	P.A. Ouro Verde	13	
	Extreme North	Araguatins	P.A. Nova Vida	15	
	South	Gurupi	Assc. Reg. da Serra	15	
	Center-West	Caseara	P.A. Barroca	15	
	Center-West	N. Rosalandia	-	14	
	Center-West	Paraiso	-	15	
	Central	Miracema	-	12	
	Northwest	Guarai	Assc. Matinha	15	
	North	Araguaina	P.A. Alegre	15	
	Northwest	Colinas	N.P.A. 2	15	
	Extreme North	Tocantinopolis	P.A. Destilaria	15	
	Southeast	Almas	Porto Alegre	16	
	Southeast	Dianopolis	P.A. Pontinha	13	
	Southeast	Arrais	Lagoa da Pedra	15	
	Southwest	L. da Confusao	R. Horotiti	15	
		Sub-total			284
		Total			870

Source: RURALTINS



Table IV-4.6 Training of Medium-scale Rural Producers for Qualification  
of Human Resources by SENAR-AR/TO (1996/1997) (2/2)

<b>Rural Professional Formation</b>		
Course	No. of events	No. of Participants
Transfer to rural women for milking	16	187
Cutting and sewing	11	140
Tractor operation for operator	15	164
Farm management	4	46
Cowkeeping for cowboy	22	208
Poultry raising	1	11
Cassava cultivation	2	18
Olericulture	13	148
Artificial insemination	7	71
Special harvesting operation	1	7
Racial taming	6	56
Inlaid works and curing or smoking	6	69
Beekeeping	6	59
Fruit cultivation	4	40
Fish breeding	4	42
Swine raising	4	39
Fencing and hedging	2	14
Milk cow raising	2	21
Medical plants - herbs	2	17
Irrigation	2	12
<b>Total</b>	<b>130</b>	<b>1,369</b>

#### **Social Promotion**

Course	No. of events	No. of Participants
Alternative alimentation	21	252
Liquers/Juices/Preserves	4	45
<b>Total</b>	<b>25</b>	<b>297</b>

Source: SENAR-AR/TO (Serviço Nacional de Aprendizagem Rural)

Table IV-4.7 Universities and Number of Students

University and Faculty	City	Number of Students
<b>UNITINS - University of Tocantins Foundation*</b>		
1. Law	Colinas	161
2. Pedagogy	Guarai	191
	Tocantinopolis	218
	Arraias	125
3. Accounting Science	Palmas	104
4. Business Management	Miracema	268
5. Literature	Porto Nacional	148
	Araguaina	243
	Guarai	59
6. History	Araguaina	216
	Porto Nacional	182
7. Geography	Araguaina	238
	Porto Nacional	166
8. Biology	Porto Nacional	123
9. Environmental Engineering	Palmas	129
10. Urban Planning and Architecture	Palmas	85
11. Mathematics	Araguaina	129
	Arraias	35
	Miracema	43
12. Veterinary Medicine	Araguaina	164
13. Agrotechnology - 2nd grade school	Natividade	133
14. Food Processing Engineering	Paraiso	40
15. Agronomy	Gurupi	121
<b>Total</b>		<b>3,321</b>
<b>ULBRA - Lutheran University of Brasil**</b>		
1. Pedagogy	Palmas	236
2. Accounting Science	Palmas	38
3. Business Management	Palmas	341
4. Literature	Palmas	232
5. Agricultural Engineering	Palmas	22
6. Computer Science	Palmas	54
<b>Total</b>		<b>923</b>

Note: \* 1997, \*\* 1995

Source: State Statistics of Tocantins

Table IV-5.1 Health and Medical Institutions (1995)

Region	Public Hospital	Private Hospital	Health Center	Health Post	Others	Number of Beds
Extreme North	10	2	12	17	8	387
North	9	0	32	3	31	548
Northeast	3	1	3	9	2	135
Northwest	4	6	5	8	5	227
East	3	0	1	4	3	56
Center-West	9	1	4	20	11	268
Central	7	5	8	37	36	406
Southeast	9	1	5	11	6	108
Southwest	2	3	2	10	10	260
South	6	2	5	17	25	357
Total of the State	62	21	77	136	137	2,752

Source: State Secretariat of Health

Table IV-5.2 Number of Health Professionals (1995)

Region	M. Doctors	Nurses	Aux. Nurses	Dentists	Others	Total
Extreme North	52	12	99	17	2	182
North	90	33	320	41	9	493
Northeast	11	3	24	4	0	42
Northwest	58	13	86	25	7	189
East	4	4	21	3	0	32
Center-West	49	11	130	21	3	214
Central	171	62	420	61	21	735
Southeast	27	15	156	12	3	213
Southwest	15	6	24	7	1	53
South	84	16	157	36	10	303
Total of the State	561	175	1,437	227	56	2,456

Source: State Secretariat of Health

Table IV-5.3 Regions with PACS (Community Health Agent Program)

Region	Municipality	No. of Agents		
		Urban	Rural	Total
Extreme North	Axixa do Tocantins	7	9	16
	Cachoeirinha	1	2	3
	Itaguatins	4	8	12
	Sao Sebastiao do Tocantins	3	2	5
	Angico	2	2	4
	Praia Norte	4	6	10
	Sub-total	21	29	50
North	Aragominas	3	3	6
	Araguaina	75	0	75
	Babaculandia	5	9	14
	Filadelfia	5	8	13
	Muricilandia	2	2	4
	Nova Olinda	6	5	11
	Santa Fe do Araguaia	4	4	8
Sub-total	100	31	131	
Northeast	Itapiratins	2	3	5
	Santa Maria do Tocantins	1	4	5
	Barra do Ouro	1	5	6
	Bom Jesus do Tocantins	1	3	4
	Goiatins	5	7	12
	Pedro Afonso	10	2	12
	Recursolandia	2	3	5
Sub-total	22	27	49	
Northwest	Arapoema	2	12	14
	Presidente Kennedy	2	3	5
	Bandeirantes do Tocantins	1	3	4
	Brasifandia	1	3	4
	Fortaleza do Tabocao	2	2	4
	Tupirama	1	3	4
	Turipatins	2	1	3
	Bernardo Sayao	4	3	7
Sub-Total	15	30	45	
East	Novo Acordo	3	2	5
	Ponte Alta do Tocantins	5	10	15
	Rio Sono	3	7	10
	Lagoa do Tocantins	2	2	4
	Santa Tereza do Tocantins	2	2	4
	Lizarda	2	5	7
Sub-total	17	28	45	
Center-West	Araguacema	4	3	7
	Barrolandia	5	3	8

Table IV-5.3 Regions with PACS (Community Health Agent Program)

Region	Municipality	No. of Agents		
		Urban	Rural	Total
	Chapada de Areia	1	2	3
	Monte Santo do Tocantins	2	2	4
	Pugmil	1	2	3
	Sub-total	13	12	25
Central	Brejinho de Nazare	5	6	11
	Fatima	4	4	8
	Miracema do Tocantins	12	4	16
	Palmas	69	0	69
	Porto Nacional	26	3	29
	Silvanopolis	5	6	11
	Toenatinia	5	14	19
	Lageado	1	2	3
	Santa Rita do Tocantins	1	2	3
	Sub-total	128	41	169
Southeast	Combinado	4	4	8
	Novo Alegre	2	2	4
	Santa Rosa do Tocantins	3	4	7
	Chapada da Natividade	2	3	5
	Lavandeira	2	2	4
	Sao Valerio da Natividade	4	4	8
	Pindorama do Tocantins	5	3	8
	Porto Alegre do Tocantins	3	1	4
	Sub-total	25	23	48
Southwest	Cristalandia	9	0	9
	Duere	5	1	6
	Formoso do Araguaia	9	8	17
	Sub-total	23	9	32
South	Alianca do Tocantins	7	3	10
	Gurupi	31	0	31
	Jau do Tocantins	2	6	8
	Palmeiropolis	7	8	15
	Peixe	3	10	13
	Cariri do Tocantins	2	1	3
	Sao Salvador do Tocantins	2	1	3
	Sub-total	54	29	83
Total of the State		418	259	677

Source: State Secretariat of Health

Table IV - 7.1 Resume of the Rural Producers' Rural Socio-Economic Survey Questionnaires

Number Quest.	Municipality	Age	Origin	Arrival	Civil Status	Education	Main Activity	No. of Persons	Type of Dwelling	Type of Comb.
1 - A Southwest	Figueirópolis	50	RS	1984	Concubinate	1st Grade Comp.	Cattle raising	9	Tiles/Masonry	Firewood/Gas
2 - A Southwest	Fórnoso do Araguaia	62	TO	1971	Married	2nd Grade Comp.	Agric./Cattle rais.	4	Tiles/Masonry/Cement	Gas
3 - A Southwest	Fórnoso do Araguaia	41	TO	1955	Married	3rd Grade	Agriculture	5	Tiles/Masonry/Cement	Firewood/Gas
4 - A Southwest	Fórnoso do Araguaia	50	TO	1964	Married	1st Grade Comp.	Agric./Cattle rais.	6	Tiles/Masonry/Cement	Firewood/Gas
5 - A Southwest	Araguaçu	39	MG	1989	Married	3rd Grade	Cattle raising	3	Tiles/Masonry	Gas
6 - A Southwest	Sandolândia	54	TO	1953	Married	Illiterate	Peasant	5	Tiles/Masonry	Firewood/Gas
7 - A Southwest	Sandolândia	51	TO	1953	Married	1st Grade Comp.	Peasant	5	Thatched roof/Adobe/Earth Floor	Firewood/Gas
8 - A Southwest	Sandolândia	46	MG	1987	Married	1st Grade Comp.	Cattle raising	6	Tiles/Masonry/Cement	Firewood/Gas
9 - A Southwest	Araguaçu	54	MG	1986	Single	Illiterate	Cattle raising	6	Tiles/Masonry/Earth Floor	Firewood/Gas
10 - A Southwest	Araguaçu	55	GO	1976	Casado	1st Grade Inc.	Cattle raising	11	Wood/Tile/Cement	Firewood/Gas
11 - A Southwest	Sandolândia	42	SP	1970	Married	3rd Grade	Seeds Process.	5	Tiles/Masonry/Cement	Gas
12 - A Southwest	Lagoa da Confusão	43	RS	1981	Married	1st Grade Comp.	Agriculture	6	Tiles/Masonry/Cement	Firewood/Gas
13 - A Southwest	Lagoa da Confusão	48	PI	1960	Married	Illiterate	Peasant	7	Thatched roof/Adobe/Earth Floor	Firewood
14 - A Southwest	Lagoa da Confusão	32	RS	1979	Married	1st Grade Comp.	Agriculture	5	Tiles/Masonry/Cement	Gas
15 - A Southwest	Lagoa da Confusão	42	TO	1955	Married	1st Grade Inc.	Agric./Cattle rais.	4	Thatched roof/Wood/Adobe/Earth Floor	Firewood
16 - A Southwest	Cristalândia	76	TO	1991	Married	Illiterate	Agric./Cattle rais.	5	Thatched roof/Masonry/Cement	Firewood/Electr.
17 - A Southwest	Cristalândia	62	TO	1934	Married	Illiterate	Peasant	7	Adobe/Tile/Earth Floor/Cement	Firewood/Gas
18 - A Southwest	Duer	61	TO	1956	Married	1st Grade Inc.	Peasant	2	Tiles/Masonry/Earth Floor	Gas
19 - A Southwest	Duer	58	TO	1950	Married	1st Grade Inc.	Agric./Cattle rais.	4	Tiles/Masonry/Earth Floor	Firewood/Gas
20 - A Southwest	Duer	57	GO	1985	Married	1st Grade Inc.	Peasant	4	Thatched roof/Adobe/Earth Floor	Firewood
1 - B Northeast	Recursolândia	20	TO	-	Single	1st Grade Inc.	Rural Worker	9	Thatched roof/Adobe/Earth Floor	Firewood/Gas
2 - B Northeast	Bom Jesus	68	MA	1943	Married	1st Grade Inc.	Rural Worker	8	Thatched roof/Adobe/Earth Floor	Firewood/Gas
3 - B Northeast	Barra do Ouro	46	TO	-	Married	3rd Grade	Public Official	3	Thatched roof/Adobe/Earth Floor	Firewood/Gas
4 - B Northeast	Barra do Ouro	52	TO	-	Married	1st Grade Inc.	House keeper	13	Thatched roof/Bambu/Adobe/Earth Floor	Firewood
5 - B Northeast	Campos Lindos	31	TO	-	Married	1st Grade Inc.	Peasant	6	Thatched roof/Adobe/Earth Floor	Firewood/Gas
6 - B Northeast	Campos Lindos	38	TO	-	Married	2nd Grade Comp.	Public Official	5	Thatched roof/Adobe/Earth Floor	Firewood
7 - B Northeast	Centenário	53	TO	-	Married	Illiterate	Cowboy	6	Thatched roof/Adobe/Earth Floor	Firewood
8 - B Northeast	Centenário	79	TO	-	Married	1st Grade Inc.	Small Tasks	3	Thatched roof/Adobe/Earth Floor	Firewood/Gas
9 - B Northeast	Itacaj	37	TO	-	Married	1st Grade Inc.	Rural Worker	6	Adobe/Tile/Earth Floor	Firewood/Gas
10 - B Northeast	Itacaj	65	PI	1946	Married	Illiterate	Peasant	8	Metallic tile/Adobe/Earth Floor	Firewood
11 - B Northeast	Santa Maria	66	TO	1934	Married	Illiterate	Rural Worker	6	Thatched roof/Adobe/Earth Floor	Firewood/Gas
12 - B Northeast	Santa Maria	53	TO	-	Married	1st Grade Comp.	Livestock	6	Thatched roof/Adobe/Earth Floor	Firewood
13 - B Northeast	Goiatins	40	TO	-	Single	Illiterate	Rural Worker	3	Thatched roof/Earth Floor	Firewood
14 - B Northeast	Goiatins	56	TO	-	Married	Illiterate	Rural Worker	9	Thatched roof/Bambu/Adobe/Earth Floor	Firewood
15 - B Northeast	Tupiratis	67	MA	1944	Married	Illiterate	Peasant	5	Thatched roof/Adobe/Earth Floor	Firewood
16 - B Northeast	Pedro Afonso	53	TO	-	Married	1st Grade Inc.	Maid	6	Thatched roof/Adobe/Earth Floor	Firewood/Gas
17 - B Northeast	Recursolândia	72	BA	1986	Married	Illiterate	Rural Worker	6	Thatched roof/Bambu/Earth Floor	Firewood

illumination	Sanitary Conditions	Water Source	Domestic Utilities (see legend at the bottom)	No. and Type of Schools (Low 1st grade=L, High 1st grade=H, 2nd grade=S)	Health Conditions (p=precarious, r=regular, g=good, H=hospital, HP=health post, HA=health agent)	Land ownership
Oil	Cister/Bathroom	Well	1A/1D/1E/1F/1G/1J	3L	1p H, 1p HP	Owner
Oil	Piped water/Bath./Cesspit/Toilet	Well/River	1A/1B/1C/1D/1E/1F/1H/1J/1K/1L/1M	8 L, 1 S	1r H, 1r HP	Owner
Oil	Bath./Cesspit/Toilet/Cistern	Well	1A/1B/1C/1E/1G/1H/1J/1K/1L	30 Rural Schools	1g H, 1g HP, 1g HA	Owner
Oil	Piped water/Bath./Cesspit/Cistern/Toilet	Well	1A/1B/1D/1E/1H/1J	8 L, 5 H, 1 S	1r H, 1r HP	Owner
Electricity	Piped water/Bath./Cesspit/Cistern	Well/Brook/Spring	1A/1B/1C/1E/1F/1H/1J/1L/1O	6 L, 6 H, 3 S	1g H	Owner
Oil/Gas	Bathroom/Cistern	Well/Brook	1A/1D/1F/1G/1J	2 L, 2 H, 1 S	1p HP	Owner
Oil/Gas	Cistern/Toilet	Well/Brook	1A/1D/1F/1G/1J	2 L, 1 H, 1 S	1p HP	Owner
Oil	Piped water/Bath./Cesspit/Cistern/Toilet	Well/Brook/Spring	1A/1G/1J	-	1p HP	Owner
Oil/Candles	Bath./Cesspit/Toilet/Cistern	Well/Brook/Spring	1A/1D/1G/1J	1L	1g HA	Owner
Electricity	Bath./Toilet/Cistern	Well/Brook/Spring	1A/1B/1D/1E/1M	1L	1r H, 1g HP	Owner
Electricity	Piped water/Bath./Cesspit/Cistern/Toilet	Well/Brook	1E/1F/1G	-	1p HP	Owner
Oil/Gas	Piped water/Bath./Cesspit/Cistern	Well/Brook	1A/1E/1M	1S	1p HP	Owner
Oil/Gas	Cistern/Woods	Well/Brook/Spring	1A/1J/1M/1N	1S	1r HP	Owner
Gas	Piped water/Bath./Cesspit/Cistern	Well/Brook	1A/1J/1M	1S	1g HA	Owner
Oil	Cistern/Woods	Well/Brook/Spring	1A/1D/1J	1L	1r H	Owner
Oil/Gas	Cesspit/Cistern	Well/Brook/Spring	1A/1E	1S	1r H	Owner
Oil	Woods	Brook/Spring	1A/1J	1S	1r H	Owner
Electricity	Piped water/Bath./Cesspit	Spring	1A/1B/1E/1F	1L, 1 H, 1 S	1g H, 1g HP	Owner
Electricity	Piped water/Bath./Cesspit/Cistern/Toilet	Well/Brook/Spring	1A/1B/1D/1E/1F/1H/1J/1K	1L, 1 H, 1 S	1r H, 1r HP	Owner
Oil	Cesspit/Toilet	Brook/Spring	1D/1J	1L, 1 H, 1 S	1r H, 1r HP	Owner
Oil	-	Spring	1A/1D	2L	-	Owner
Gas Lamp	Piped water/Toilet/Cesspit	Spring	AD/1J	2L	1p HA	Owner
Gas Lamp	-	Brook	1A/1J	-	1p HA	Owner
Oil	-	Brook	1A/1D/1J	-	1p HA	Owner
Oil	Bathroom/Cistern	Well	1J	1L	1p HP	Occupant
Oil	-	Brook	-	2L	1p HP	Occupant
Oil	-	Spring	1A	1L	-	Owner
Oil	-	Brook	1A	1L	-	Owner
Oil	Piped water/Bath./Cistern/Toilet	Well/Spring	1A/1D/1F/1J	1L	-	Owner
Oil	Cistern	Well	1J	3L, 2H, 1S	1r H, 1r HP, 1g HA	Owner
Oil	Cistern/Bathroom	Well/Brook	1D/1N	1L	-	Owner
Oil	Cistern	Well/Brook	1D/1J/1M	-	-	Owner
Oil	-	Brook	1A	-	1p HP	Owner
Oil	-	Brook	1A/1D/1J/1N	1L	-	Owner
Oil	Cistern	Well	1A/1D/1J	-	-	Owner
Oil	Piped Water	Brook	1A/1J	2L	-	Owner
Oil/Gas	Bathroom/Toilet/Cesspit/Cistern	Well	1A/1D/1J	1L	-	Owner

Total Area	Cultivated Area	Annual Crop	Perennial Crop	Pasture	Soil Preparation	Agricultural Devices	Productive Structure	No. of Workers (Temporary=T, Permanent=P)
63	49.4	8	3	38.4	Tractor	Tractor	Shed/Storehouse/House	T 1
1000	600	350	0	250	Tractor	Tractor/Plow	Shed	T 2
484	196	126	0	70	Tractor	Tractor/Harvester	-	P 1/T 2
484	280	240	0	40	Slash and Burn	-	Storehouse	T 1
96	90	10	0	80	Tractor	Weed harrow/Plow	Shed/Silo	P 2/T 6
968	25	20	0	5	Tractor	-	Shed	T 2
145	68.7	57	0	63	Tractor	Planter/"Matraca"	Corral	T 2
168.96	96.5	19.2	12	76.8	Tractor	-	-	T 2
107.52	73.12	3	12	68.12	Draft Animal	Mower/Tiller	Storehouse/Shed	P 1/T 2
69.12	27.88	3.84	1	23.04	Tractor	Tractor	Storehouse	T 2
483.84	426.24	96	0	330.24	Tractor	Harvester/Plow/Grain drill	-	P 3/T 8
630	490	290	0.5	200	Tractor	Harvester/Plow/Planter	Shed/Corral/Henney	P 5/T 2
302.4	102	4.8	0.5	96	Draft Animal	Oxcart	Corral/Henney/Small Corral	P 1/T 1
450	350	350	0	0	Tractor	Tiller/Plow/Leveler/Planter	Shed	P 1
96.8	46.6	6.1	0.5	40	Workers	hoe/Reaping hook/Machete	Storehouse/Corral	P 2/T 5
96	46.5	5	1.5	40	Draft Animal	Yoke	Storehouse/Corral/Small Cor./Dep./Henney	P 1
10	7.8	2.5	0.5	4.8	-	-	Henney	T 2
4	3	0.2	3	0	-	-	Pigpen	-
140	130	0	0	130	-	-	House/Shed/Corral	T 3
96	38	10	0	28	-	Hoer/Machete	-	-
72	21.6	2.4	0.25	18.95	-	-	Storehouse	T 1
144	87.4	1	0	86.4	-	-	Silos	T 5
403	58.6	0	0	58.6	-	-	Storehouse	P 1/T 3
33.6	0	0	0	0	-	-	-	-
100	24	48	0	19.2	-	-	Storehouse	T 2
384	288	0	0	28.8	-	-	-	P 1
336	2.4	2.4	0	0	-	-	-	-
216	31.2	2.4	0	28.8	-	-	-	-
1134	28.8	2.4	0	26.4	-	-	Storehouse	T 1
27.5	5	0.5	0.25	4.25	-	-	-	-
302.4	72	3	0.25	68.75	-	-	-	-
249.6	50	1	0	38.4	Tractor	-	-	P 1/T 5
350.4	1	1	0	0	-	-	-	-
432	55.2	7.2	0	48	-	-	Storehouse	T 2
116.2	60.4	2.4	0	48	-	-	-	-
163.2	11.35	1.25	0	9.6	-	-	Storehouse	T 1
192	81.6	9.6	0	80.85	-	-	Storehouse	-



No. of Working Days	Average Salary	Inputs	Own Credit	Commercialization Location	Commercialization Manner	Technical Assistance	Expenses	Organization
1	7/day	S/F/A	Yes	Municipality	Wholesaler	No	5520	Yes
-	1200	S/F/A	No	Municipality	Others	No	5760	Yes
P 30	P 180, T 240	S/F/A	Yes	State	-	No	9888	Yes
-	6 days	No	Yes	Municipality	Others	No	3700	Yes
P 30/T 30	P 168, T 77/day	S/F	Yes	Municipality	Middleman/Others	Yes	13700	No
20	7/day	No	Yes	Municipality	Middleman/Others	Yes	7540	No
25	7/day	S/F	Yes	Municipality	Middleman/Others	Yes	2680	No
5	7/day	S/F/A	Yes	Municipality	Retailer	No	11040	Yes
P 30/T 4	P 180, T 6/day	A/F/A	Yes	Municipality	Retailer	Yes	4800	Yes
5	5/day	F/A	Yes	Municipality	Wholesaler	No	9996	Yes
P 30/T 8	P 240, T 7/day	S/F/A	Yes	Country	Wholesaler	Yes	2880	No
P 285/T 90	P 168, T 112	S/F/A	Yes	State	Middleman	No	27920	Yes
P 290/T 30	P 100, T 100	S/F	Yes	State	Middleman	Yes	3600	No
285	100	S/F/A	Yes	State	Middleman	No	31950	Yes
P 290/T 90	P 200, T 200	Agri. Chem.	Yes	State	Others	No	2070	No
285	100	S/A	Yes	State	Middleman	Yes	1650	No
20	75	Agri. Chem.	Yes	State	Others	No	1140	No
-	-	-	Yes	-	-	No	4800	-
4	By contract	-	Yes	Municipality	Others	No	8400	No
-	-	-	Yes	Municipality	Middleman	Yes	1440	Yes
3	5/day	S/F/A	Yes	Municipality	Wholesaler/Others	No	1676	No
15 to 30	5/day	Seeds	Yes	Municipality	Middleman	No	4976	No
P -/T 5	P 70, T 5.50/day	Seeds	Yes	Municipality	Others	No	1896	No
-	-	-	Yes	Municipality	Wholesaler	No	2098	No
8	4/day	-	Yes	-	-	No	860	No
-	25% of the calves	-	Yes	Municipality	Retailer	No	4200	No
-	-	-	-	-	-	No	2076	-
-	-	-	Yes	-	-	No	1892	Yes
25	5/day	Seeds	Yes	Municipality	Retailer	No	2010	No
-	-	-	-	-	-	No	1358	No
-	-	-	Yes	Municipality	Middleman	No	1088	No
P -/T 15	P 20% Prod., T 5/day	Seeds	Yes	Municipality	-	No	9780	Yes
-	-	-	-	-	-	No	400	No
5	5/day	Seeds	Yes	Municipality	Retailer	No	3020	No
-	-	Seeds	Yes	Municipality	Others	No	1856	No
20	5/day	-	-	-	-	No	1518	No
-	-	Agri. Chem.	Yes	Municipality	Retailer	No	1636	No

Table IV - 7.1 Resume of the Rural Producers' Rural Socio-Economic Survey Questionnaires (Continued)

Number Quest.	Municipality	Age	Origin	Arrival	Civil Status	Education	Main Activity	No. of Persons	Type of Dwelling	Type of Comb.
18 - B Northeast	Pedro Afonso	32	TO	-	Married	1st Grade Inc.	Rural Worker	10	Thatched roof/Adobe/Earth Floor	Firewood/Gas
19 - B Northeast	Itapiratins	64	GO	1989	Married	1st Grade Inc.	Agric./Cattle rais.	11	Thatched roof/Masonry/Cement	Gas
20 - B Northeast	Bom Jesus	39	TO	-	Married	1st Grade Inc.	Rural Worker	3	Thatched roof/Adobe/Earth Floor	Firewood/Gas
1 - C South	Carri	63	RS	1985	Married	2nd Grade Inc.	Agriculture	6	Tiles/Masonry/Cement	Firewood/Gas
2 - C South	Carri	53	RN	1962	Married	Illiterate	Agriculture	3	Tiles/Masonry/Earth Floor	Firewood
3 - C South	Peixe	44	TO	-	Concubinate	1st Grade Inc.	Agriculture	9	Thatched roof/Adobe/Earth Floor	Firewood
4 - C South	Gunupi	37	TO	1985	Married	1st Grade Inc.	Horticulture	6	Tiles/Masonry/Earth Floor	Gas
5 - C South	Aliança do TO	61	SP	1992	Married	1st Grade Inc.	Agriculture	3	Thatched roof/Adobe/Earth Floor	Firewood/Gas
6 - C South	Sucupira	43	PI	1957	Married	1st Grade Inc.	Agriculture	7	Thatched roof/Adobe/Cement	Firewood
7 - C South	Sucupira	38	TO	1992	Married	2nd Grade Comp.	Agriculture	4	Thatched roof/Adobe/Earth Floor	Firewood
8 - C South	Jau do TO	62	TO	1957	Married	1st Grade Inc.	Agriculture	2	Thatched roof/Tile/Adobe/Earth Floor	Firewood
9 - C South	Jau do TO	77	TO	-	Widower	Illiterate	Agriculture	4	Thatched roof/Adobe/Earth Floor	Firewood
10 - C South	Gunupi	44	TO	1962	Married	1st Grade Inc.	Agriculture	6	Thatched roof/Adobe/Earth Floor	Firewood
11 - C South	Alvorada	52	MG	1970	Married	2nd Grade Comp.	Agriculture	5	Tile/Masonry	Firewood/Gas
12 - C South	Aliança do TO	57	GO	1974	Married	1st Grade Inc.	Agric./Cattle rais.	5	Tiles/Masonry/Earth Floor	Firewood/Gas
13 - C South	São Salvador	84	TO	-	Married	Illiterate	Agriculture	24	Thatched roof/Adobe/Earth Floor	Firewood
14 - C South	Jau do TO	62	TO	1957	Married	1st Grade Inc.	Agriculture	3	Tile/Masonry/Cement	Firewood/Gas
15 - C South	Peixe	70	TO	-	Married	1st Grade Comp.	Agriculture	8	Metallic tile/Masonry/Earth Floor	Firewood
16 - C South	Araguaçu	57	TO	1962	Married	1st Grade Comp.	Agric./Cattle rais.	5	Tile/Masonry	Firewood
17 - C South	Talism	54	PI	1942	Married	Illiterate	Agriculture	4	Thatched roof/Adobe/Earth Floor	Firewood
18 - C South	Talism	54	MG	1971	Married	Illiterate	Peasant	3	Tile/Masonry	Firewood/Gas
19 - C South	Crixás	40	RS	1986	Married	1st Grade Comp.	Agric./Cattle rais.	4	Wood/Metallic tile/Earth Floor	Firewood/Gas
20 - C South	Crixás	40	TO	-	Married	1st Grade Comp.	Agric./Cattle rais.	4	Tiles/Masonry/Earth Floor	Firewood/Gas
1 - D Extreme North	Angico	75	TO	-	Widower	1st Grade Inc.	Cattle raising	7	Wood/Tile/Earth Floor	Firewood/Gas
2 - D Extreme North	Darcinópolis	45	MA	1967	Married	1st Grade Inc.	Agriculture	6	Thatched roof/Earth Floor/Mud wall	Firewood
3 - D Extreme North	São Miguel	78	PI	1953	Married	Illiterate	Agriculture	3	Thatched roof/Earth Floor/Mud wall	Firewood
4 - D Extreme North	Riachinho	58	MA	1952	Married	1st Grade Inc.	Small Cattle rais.	11	Thatched roof/VWood/Cement	Firewood/Gas
5 - D Extreme North	Ananás	52	MA	1961	Married	Illiterate	Cattle raising	9	Thatched roof/Earth Floor/Mud wall	Firewood
6 - D Extreme North	Aixá do Tocantins	23	TO	-	Married	1st Grade Inc.	Rural Worker	2	Thatched roof/Earth Floor/Mud wall	Charcoal
7 - D Extreme North	Augustinópolis	46	PI	1972	Married	1st Grade Inc.	Agriculture	8	Tile/Masonry/Cement	Gas
8 - D Extreme North	Sítio Novo	46	MA	1950	Married	1st Grade Inc.	Agriculture	7	-	-
9 - D Extreme North	Araguatins	33	SP	1974	Married	2nd Grade Inc.	Milk seller	5	Wood/Tile/Cement	Firewood
10 - D Extreme North	Praia Norte	55	PI	1972	Widower	Illiterate	Agriculture	4	Thatched roof/Earth Floor/Mud wall	Firewood/Charcoal
11 - D Extreme North	Carrasco Bonito	38	TO	-	Married	1st Grade Inc.	Agriculture	4	Thatched roof/VWood/Earth Floor	Gas
12 - D Extreme North	Nazar	57	-	1977	Married	1st Grade Inc.	Cattle raising	5	Thatched roof/Earth Floor/Mud wall	Firewood/Gas
13 - D Extreme North	São Bento do TO	56	TO	-	Married	1st Grade Inc.	Cattle raising	10	Tile/Mud wall/Earth floor	Firewood/Gas
14 - D Extreme North	Luzinópolis	53	MA	1953	Married	Illiterate	Cattle raising	5	Tile/Masonry/Cement	Firewood/Gas

Illumination	Sanitary Conditions	Water Source	Domestic Utilities (see legend at the bottom)	No. and Type of Schools (Low 1st grade=L, High 1st grade=H, grades=6)	Health Conditions (p=precarious, r=regular, g=good, H=hospital, HP=health post, HA=health agent)	Land ownership
Oil	Bathroom/Toilet/Cistern	Well	1D/1J	1L		Owner
Diesel Engine	Piped water/Bath./Cesspit/Cistern/Toilet	Well	1B/1E/1F/1J/1K/1O			Owner
Oil	Piped water/Bathroom	Spring	1D/1F/1J	1L		Owner
Oil	Cistern/Cesspit	Well/Brook/Spring	1A/1D/1J/1O	1S	1rH, 1rHP	Owner
Oil/Battery	Cistern	Well/Brook/Spring	1J	1L	1rHP	Occupant
Oil	Cistern	Well/Brook	1A/1J/1N	1L, 1H	1g HP	Owner
Electricity	Piped water/Bath./Cesspit/Cistern/Toilet	Well/Brook	1A/1B/1C/1D/1E/1F/1H/1J/1L		1pH, 1rHP, 1pHA	Owner
Oil	Cisterna/Banheiro/Pnvidal/Fossa	Well/Brook/Spring	1A/1D/1J/1O			Owner
Oil	Cistern	Well/Brook	1A/2J	1H	1rHP	Owner
Gas/Lamp	Cistern	Well/Brook	1A/1D/1J/1L/1N/1O	1H	1rHP	Owner
Oil	Cistern	Well/Brook	1C/1O	1L	1rHP, 1rHA	Occupant
Oil	Cistern	Well/Brook/Spring	1A/1D	1L	1rHP, 1g HA	Owner
Oil	Cistern/Bathroom	Well/Brook	1D/1F/1J/1N/1O	1H	1rHP, 1pHA	Owner
Oil/Gas	Cistern/Bathroom/Cesspit	Well/Brook	1F/1H/1J		1rH, 1rHP, 1g HA	Owner
Electricity	Piped water/Bath./Cesspit/Cistern/Toilet	Well/Brook	1A/1B/1D/1E/1J/1K/1L	4L, 2H, 1S	1rH, 1rHP	Owner
Oil	Cistern	Well/Brook	6A/3D	1L	1rHP	Owner
Oil/Gas Lamp	Cistern	Well/Brook/Spring	1A/1D/1J/1O	1L	1rH, 1g HA	Owner
Oil	Cistern	Well/Brook	1A/2D/2J/1N	1S	1rHP	Occupant
Gas	Piped water/Bath./Cesspit/Toilet	Brook/Spring	1A/1F/1G/1N/1O		1gH, 1gHP, 1g HA	Owner
Oil	Toilet	Brook/Spring	1A/1J/1O	1L, 1H, 1S	1g HP, 1g HA	Owner
Gas	Piped water/Bath./Cesspit	Well/Brook	1A/1D/1J/1L	1L, 1H, 1S	1g HP, 1g HA	Owner
Electricity	Piped water/Bath./Cesspit/Cistern/Toilet	Well/Brook/Spring	1A/1B/1D/1E/1J/1K/1L/1M	1L	1g HP, 1g HA	Owner
Oil	Bath./Cesspit/Cistern/Toilet	Well/Brook/Spring	1A/1B/1D/1E/1K/1O	1L, 1H	1g HP, 1g HA	Owner
Oil	Piped water/Bath./Cesspit/Cistern/Toilet	Well	1J	1H		Owner
Oil	Toilet	Well/Brook	1A/1J	1H	1pHP, 1pHA	Owner
Oil		Well/Brook	1A/1G/	1L, 1H, 1S		Owner
Oil	Cistern	Well	1A/1D/1J/1N	1L, 4H, 1S	1pH, 1pHP	Owner
Oil		Spring	1A/1M	1L, 1H	1pHP, 1pHA	Owner
Electricity	Piped water/Cesspit/Toilet	Well/Brook	1A/1B	1L	1rHA	Share cropper
Electricity			1A/1B/1C/1D/1G/1J	1L, 1H, 1S	1g HP, 1rHA	Share cropper
Electricity	Piped water/Cesspit	Brook		1L, 1H, 1S		Settler
Oil		Well	1A/1B/1D/1E/1G/1H/1J/1O	6L, 6H, 3S	1rH, 1rHP	Owner
Gas	Toilet	Brook	1A/1G	2H	1pH, 1pHP, 1pHA	Owner
Electricity	Piped water/Cesspit/Toilet	Brook	1A/1D/1E	2H	1rHA	Settler
Electricity	Piped water/Bathroom	Well	1A/1B/1D/1E/1J/1M	1H, 1L, 1S	1rH, 1rHP, 1g HA	Owner
Electricity	Piped water/Bathroom/Cesspit	Brook	1A/1B/1D/1E/1J/1M	1H, 1L, 1S	1rHP, 1rHA	Owner

Total Area	Cultivated Area	Annual Crop	Perennial Crop	Pasture	Soil Preparation	Agricultural Devices	Productive Structure	No. of Workers (Temporary-T, Permanent-P)
4.8	3.25	0.25	0	3	-	-	Storehouse	-
672	288	48	0	240	Tractor	Plow/Trailer/Grain drill	Shed	P 2/T 6
211.2	48	9.6	0	38.4	-	-	-	P 1/T 1
115	72.5	4.0	0	70	Tractor	Tiller/Matrace/Ax/Planter	Storehouse/Corral	T 1
230	225	10	5	220	Tractor	Tractor/irrigation set/Trailer	Shed/Corral	T 3
177	6	5	0	1	Tractor	Oxcart/Machete/Oven	Storehouse/Corral/Workshop	-
1	0.5	0.5	0	0	Tractor/Manual	Hoe/irrigation set	Shed	T 4
410	130	50	1	80	Tractor	Planter/Tiller/Plow/Trailer/Blade	Shed	P 1
12	6	1	30	5	Slash and Burn	Hoe/Reaping hook/Machete	-	-
100	3.5	1.5	40	2	Tractor	Oxcart/Matrace/Hoe	Shed/Storehouse/Hennery/Pigpen	-
95	55	0	0	55	Tractor	"Matrace"/Machete/Hoe	Storehouse/Pigpen/Corral	T 1
25	11.5	1.1	0.3	10	Tractor	"Matrace"/Machete/Hoe	Corral	T 1
93.6	93.6	16	3.9	73.5	Tractor	Tiller/Draft animal	Shed/Storehouse	T 3
95	29.2	9.2	0	20	Tractor	-	-	P 1
96	88	8	0	88	Tractor	Tiller/Plow/Planter/Trailer	Shed	P 1
320	105	5	0	100	-	"Matrace"/Machete/Hoe	Storehouse/Corral/Mill	-
210	40	5	1	35	Tractor	"Matrace"/Hoe	Storehouse/Corral/Pigpen/Barn	-
110	22	7	0	15	-	Mill/Four Processing facility/Hoe	Shed/Corral/Pigpen	-
494	460	23	0	436	Tractor	Plow/Weed harrow/Planter/Tractor	Storehouse/Shed/Corral	P 4/T 4
121	91.7	11.5	0.2	40	Draft Animal	Chopping knife/Tiller/Ax/Oxcart	-	T 1
300	51.5	10	0.5	220	Tractor	Tractor/Tiller/Plow/Planter	Shed/Storehouse	T 4
800	550	150	0	400	Tractor	Tiller/Plow/Planter	Shed/Storehouse	P 3
147	73	73	0	74	Tractor	Tiller/Plow/Planter/Trailer	Shed/Storehouse	P 1
450	0	0	2	75	-	-	-	-
12	9	9	0	8	Tractor	-	-	5
180	12	12	1	8	Draft Animal	-	-	-
48	2	2	0	24	Tractor	-	-	T 4
300	30	30	0	150	Tractor	-	-	T 3
1.5	1.5	0	1.5	0	Tractor	-	-	-
2	2	2	0	0	Tractor	-	-	-
30	0	0	0	15	-	-	-	-
98	4	4	2	32	Tractor	Mower	Shed	T 2
24	2	2	0	10	Tractor	-	-	T 15
48	4	4	0.25	12	Tractor	Plow/Tiller	Storehouse	-
398	144	14	3	192	Draft Animal	Trailer/Plow/Blade/Planter/Thrashing machine	Storehouse	P 1
250	91	53	38	0	Tractor	Plow/Weed harrow/Trailer	Storehouse	P 15
240	34	34	0	190	Tractor	-	Shed	T 5

No. of Working Days	Average Salary	Inputs	Own Credit	Commercialization Location	Commercialization Manner	Technical Assistance	Expenses	Organization
-	-	-	-	Municipality	Retailer	No	1578	No
P-T 6	P 150, T 3/day	S/F/A	Yes	Municipality	Wholesaler/Others	No	4700	No
P-T 4	P 5/day, T 5/day	Fertilizer	Yes	Municipality	Others	No	758	No
40	210	Fertilizer	Yes	Municipality	Others	No	1456	No
90	5/day	S/F/A	Yes	State	Wholesaler/Middleman	No	720	Yes
-	-	S/F	No	Municipality	-	No	960	Yes
26	130	-	Yes	Municipality	Wholesaler	No	2480	Yes
30	120	Fertilizer	Yes	Municipality	Middleman/Others	No	4320	Yes
-	-	-	Yes	Municipality	-	No	922	Yes
-	-	Fertilizer	Yes	-	-	No	1080	Yes
10	5/day	S/F	Yes	Municipality	Middleman	No	240	Yes
7	5/day	Fertilizer	Yes	Municipality	Retailer	No	1320	Yes
25	120	S/F/A	No	Municipality	Wholesaler	No	5280	Yes
5	120	Fertilizer	Yes	Municipality	Cooperatives	No	1444	No
28	180	S/F	Yes	-	-	No	3440	Yes
-	-	-	Yes	Municipality	Others	No	-	No
-	-	S/F	No	Municipality	Middleman	Yes	480	Yes
-	-	-	Yes	Municipality	-	No	650	No
P 30/T 7	P 240, T 7/day	S/F/A	No	Municipality	Middleman/Others	No	38700	Yes
10	6 dia	-	No	Municipality	Wholesaler/Others	No	720	No
50	6 dia	S/F/A	Yes	Country	Wholesaler	No	5500	No
30	240	S/F/A	No	Municipality	Wholesaler/Retailer/Others	Yes	1230	Yes
30	240	S/F	Yes/No	State	Wholesaler/Retailer	Yes	6000	No
-	-	-	Yes	Municipality	Middleman	No	1440	No
15	5/day	Seeds	Yes	Municipality	Wholesaler	Yes	2220	Yes
-	-	-	Yes	Municipality	Others	No	1380	Yes
5	5/day	S/A	Yes	Municipality	Retailer	No	12960	Yes
6	Share cropper	Seeds	Yes	Municipality	Wholesaler	Yes	6950	No
-	-	Agr.Chem.	Yes	Municipality	Retailer	No	1020	No
-	-	Agr.Chem.	Yes	Municipality	Others	No	4200	Yes
-	-	-	Yes	Municipality	Retailer	No	960	No
60	5/day	A/F/A	Yes	Municipality	Others	Yes	1200	Yes
15	4/day	-	Yes	-	-	No	1064	Yes
-	-	Seeds	No	Municipality	Retailer	Yes	4440	Yes
30	240	S/A	Yes	State	Middleman	No	12800	No
5	4/day	Seeds	Yes	Municipality	Retailer	No	15600	Yes
24	-	Agr.Chem.	Yes	Municipality	Middleman	No	12000	No

Table IV - 7.1 Resume of the Rural Producers' Rural Socio-Economic Survey Questionnaires

Number Quest	Municipality	Age	Origin	Arrival	Civil Status	Education	Main Activity	Nc. of Persons	Type of Dwelling	Type of Comb.
15 - D Extreme North	Cachoeirinha	54	MA	1950	Married	1st Grade Inc.	Small Cattle rais.	6	Tile/Mud wall/Cement	Firewood/Gas
16 - D Extreme North	Tocantinópolis	64	TO	-	Married	1st Grade Inc.	Peasant	4	Tile/Mud wall/Cement	Gas
17 - D Extreme North	-	64	AL	1989	Married	Illiterate	Agriculture	5	Tile/Masonry/Cement	Gas
18 - D Extreme North	Augustinópolis	46	PI	1972	Married	1st Grade Inc.	Rural Worker	8	Tile/Masonry/Cement	Gas
19 - D Extreme North	Aguiarnópolis	55	MA	1957	Married	Illiterate	Agriculture	13	Thatched roof and wall/Earth floor	Firewood
20 - D Extreme North	Palmeiras do TO	57	PE	1982	Married	Illiterate	Agriculture	7	Tile/Masonry/Ceramics	Firewood/Gas
1 - E North	Wanderlândia	65	PI	1954	Married	1st Grade Inc.	Agriculture	5	Wood/Tile/Earth Floor	Firewood
2 - E North	Muriciândia	72	CE	1983	Married	1st Grade Comp.	Retired	2	Tiles/Masonry/Earth Floor	Firewood
3 - E North	Muriciândia	40	GO	1993	Mamed	1st Grade Comp.	Cattle raising	3	Tiles/Masonry	Firewood/Gas
4 - E North	Xambio	68	MA	-	Married	Illiterate	Agriculture	3	Wood/Tile	Firewood
5 - E North	Filadelfia	-	PI	1985	Married	-	Politician	-	-	Firewood/Gas
6 - E North	Babaçulândia	35	TO	1962	Concubinate	1st Grade Comp.	Peasant	7	Tile/Masonry	Firewood/Gas
7 - E North	Xambio	66	CE	1965	Married	Illiterate	Agriculture	9	Wood/Adobe/Earth floor	Firewood
8 - E North	Wanderlândia	50	SP	1988	Married	3rd Grade	Militar	4	-	Electricity
9 - E North	Santa Fé do Araguaia	36	MG	1974	Married	1st Grade Comp.	Cattle raising	3	Tile/Masonry	Firewood/Gas
10 - E North	Aragominas	53	MG	1971	Married	1st Grade Inc.	Agriculture	3	Wood/Tile/Masonry	Firewood/Charcoal
11 - E North	Carmolândia	43	GO	1987	Married	3rd Grade	Cattle raising	4	-	Gas
12 - E North	Araguaia	-	MG	-	Divorced	3rd Grade	Trader	-	Tile	Gas
13 - E North	Palmeirantes	-	TO	1977	Married	1st Grade Inc.	Cattle raising	-	-	Firewood/Gas
14 - E North	Aragominas	60	MG	1970	Divorced	1st Grade Inc.	House keeper	2	Tile/Masonry	Firewood/Gas
15 - E North	Carmolândia	38	BA	1972	-	1st Grade Inc.	Maid	6	Tile/Masonry	Firewood/Gas
16 - E North	Araguaia	38	MG	1982	Married	1st Grade Comp.	House keeper	7	Tile/Adobe/Earth floor	Firewood
17 - E North	Babaçulândia	45	GO	1995	Married	-	Trader	4	Tile/Masonry	Firewood/Gas
18 - E North	Araguaia	27	SC	1987	Married	2nd Grade Comp.	Maid	5	Tile/Masonry	Firewood
19 - E North	Nova Olinda	63	GO	1966	Mamed	1st Grade Inc.	Agriculture	2	Tile	Gas
20 - E North	Piraqu	59	BA	1968	Mamed	1st Grade Inc.	Cattle raising	5	-	Gas
1 - F East	Ponte Alta	47	TO	-	Mamed	1st Grade Comp.	Agriculture	5	Thatched roof	Firewood
2 - F East	Rio Sono	53	MA	1979	Married	1st Grade Inc.	Agriculture	8	Tile/Masonry	Firewood/Gas
3 - F East	Ponte Alta do TO	54	TO	-	Married	Illiterate	Agriculture	11	Tile/Adobe/Masonry/Earth floor	Firewood/Gas
4 - F East	Ponte Alta do TO	45	TO	-	Married	1st Grade Comp.	Trader	6	Tiles/Masonry/Earth Floor	Firewood/Gas
5 - F East	São Felix do TO	46	TO	-	Married	Illiterate	Agriculture	11	Thatched roof/Adobe/Earth floor	Firewood/Gas
6 - F East	Rio Sono	33	TO	-	Single	2nd Grade Comp.	Public Official	4	Metallic tile/Adobe	Electricity
7 - F East	Aparecida do R. Negro	51	33	-	Married	1st Grade Inc.	Agriculture	4	Thatched roof/ Earth floor	Firewood
8 - F East	Novo Acordo	38	TO	-	Married	2nd Grade Comp.	Farmer	5	Tile/Masonry	Gas
9 - F East	Sia. Tereza do TO	31	TO	-	Married	2nd Grade Comp.	Agriculture	4	Tile/Masonry	Gas
10 - F East	Sia. Tereza do TO	35	TO	-	Married	1st Grade Inc.	Agriculture	3	Tile/Masonry	Firewood/Gas
11 - F East	Lagoa do TO	47	TO	1966	Married	1st Grade Inc.	Trader	4	Tile/Masonry	Firewood/Gas

illumination	Sanitary Conditions	Water Source	Domestic Utilities (legend at the bottom)	No. and Type of Schools (Low 1st grade=L, High 1st grade=H, grade=S)	Health Conditions (p=precarious, r=regular, g=good, H=hospital, HP=health post, HA=health agent)	Land ownership
Electricity	Piped water/Bathroom/Cesspit/Toilet	Well	1A/1B/1D/1E/1F/1J	1H, 1L, 1S	1rHP, 1rHA	Owner
Electricity	Toilet	Well	1A/1B/1O	1L	1pH	Owner
Oil	Bathroom	Well	1A/1G/1M/1N/1O	1L	1gH, 1rHP, 1rHA	Owner
Electricity	Piped water/Cesspit/Toilet	-	1A/1B/1D/1E/1F/1G/1J	1H, 1L, 1S	1pH, 1gHP, 1rHA	Share cropper
Oil	Bathroom/Cesspit/Toilet	Well/Brook	1A/1D/1G/1J	1H, 1L	-	Owner
Electricity	Piped water/Bathroom/Cesspit	Well	1A/1D/1J	1H, 1L	-	Settler
Oil	Others	Brook/Spring	-	1H	1pH, 1gHP	Owner
Oil	-	Well	1A	2H	1gHA	Owner
Candles	Toilet	Well/Brook	1F/1N	-	-	Owner
Oil	-	Well/Brook	1A/1D	1L	1pH	Owner
Electricity	Piped water/bathroom	Well	1B	1L	1gH, 1gHP, 1gHA	Owner
Oil	-	Well/Brook	1J/1O	2L, 2H, 2S	1pH, 1rHP, 1pHA	Owner
Oil	-	Well/Brook/Spring	1A/1J	7L, 7H, 2S	1pH, 1rHP, 1pHA	Owner
Electricity	Bathroom	Well/Spring	1A/1B/1D/1G	2L	1pH, 1gHP, 1pHA	Owner
Others	Bathroom	Well/Spring	1A/1J/1O	2L	1rHP	Owner
Oil/Candles	Piped water/bathroom	Well/Brook/Spring	1F/1M	-	-	Owner
Electricity	Bathroom	Well/Brook/Spring	1A/1B/C/1E/1F/1G/1H/1I/1J/1L/1M	2L, 2H, 1S	1pHP	Owner
Others	Piped water/bathroom	Well/Brook/Spring	1B/1D/1E/1J/1N/1O	-	-	Owner
Oil	-	Well/Brook/Spring	1A/1J	1L, 1H, 1S	1gHP, 1gHA	Owner
Oil	Piped water/bathroom	Well/Brook/Spring	1A/1B/1D/1E/1F	-	-	Owner
Oil	-	Well/Brook	1A/1D/1F/1J	1L, 1H, 1S	1gHP	Owner
Oil	-	Well/Brook	-	-	1gH, 1rHP, 1rHA	Owner
Electricity	-	Well	1E/1G/1L	-	1gHP, 1gHA	Owner
Oil	Piped water/bathroom/Cistern	Well/Spring	1A/1O	-	-	Owner/Occup.
Oil	Piped water/bathroom/Cistern	Well/Brook	1A/1B/1D/1E/1F/1J/1O	-	1pH, 1rHP, 1gHA	Owner
Electricity	Bathroom	Well/Brook/Spring	1A/1B/1D/1E/1F/1M	-	1pH, 1gHP, 1gHA	Owner
Oil	Toilet	Brook/Spring	1A/1F/1J/1N	1L	1gHA	Owner
Oil	Piped water/toilet	Brook	1J/1N	1H, 1S	1pH, 1rHP, 1rHA	Occupant
Oil	Piped water	Spring	1A/1D/1J	1L, 1H, 1S	1rH, 1pHA	Owner
Oil	Piped water/Bathroom/Cesspit	Spring	1A/1D/1N	1L, 1H, 1S	1gH, 1pHA	Owner
Oil	Piped water/Bathroom	Well	1A	4L	1rH	Owner
Electricity	Piped water/Cistern/Bathroom	Well	1B/1E/1I/1J	1H, 1S	1pH, 1rHP, 1rHA	Owner
Oil	-	Brook	1J/1N	1L, 2H, 1S	1rH, 1rHA	Owner
Electricity	Piped water/Bathroom/Cesspit	Brook	1B/1J/1K	4L, 1H, 1S	1rH, 1rHP, 1rHA	Owner
Electricity	Piped water/Bathroom	Well	1B/1D/1J	1L, 1H, 1S	1pHP	Owner
Electricity	Piped water/Bathroom	Well	1J	1L, 1H, 1S	1pHP	Occupant
Electricity	Piped water/Bathroom/Toilet	Well	1B/1E/1J/1L/1N	7L, 1H, 1S	1pH	Owner

Total Area	Cultivated Area	Annual Crop	Perennial Crop	Pasture	Soil Preparation	Agricultural Devices	Productive Structure	No. of Workers (Temporary=T, Permanent=P)
92	18	15	5	35	-	-	-	T 4
40	2.5	2.5	0.5	8	Workers	-	-	T 2
440	32	32	0	20	Tractor	-	Shed	P 1/T 8
2	2	2	0	0	Tractor	-	-	-
18	4	4	0	12	Tractor	-	-	-
48	10	10	0	2	Tractor	-	-	-
230	53.24	2.42	0	48.4	-	Reaping hook/Hoe/Ax	Shed	-
128.26	96.8	0	0	96.8	-	-	-	P 1
77.44	72.6	0	0	72.6	-	Reaping hook/Ax	-	P 2
96.8	31.46	2.42	0	29.4	-	Ax/Reaping hook/Hoe	-	-
919.6	895.4	0	0	859.4	Tractor	Tractor/Plow/Planter/Weed harrow	Shed	P 05/T 11
96.8	75.02	2.42	14.52	58.08	Slash and Burn	Reaping hook/Hoe/Big hoe/Chopping Knife	-	T 1
180	44.2	24.2	0	20	Slash and Burn	Reaping hook/Ax/Hoe	Storehouse	-
484	193	0	0	193	Slash and Burn	-	Shed	P 2/T 6
48.4	45.98	0	0	45.98	Tractor	Reaping hook	Storehouse	T 1
48.4	25.52	1.32	0	24.2	Tractor	Hoe	Storehouse	T 3
968	871.2	0	0	871.2	Tractor	Tractor/Weed harrow/Plow/Tank	-	P 8/T 20
1210	629.2	0	0	629.2	Tractor	Tractor	Shed	P 3/T 10
217.8	214.28	1.32	0	212.96	Slash and Burn	Reaping hook/Hoe/Machete	-	P 1/T 4
101.64	54.56	1.32	0	563.24	Slash and Burn	Hoe/Reaping hook	-	P 2
145.2	29.04	0	0	29.04	Slash and Burn	Reaping hook/Ax	-	-
67.76	9.24	1.98	0	7.26	Slash and Burn	Reaping hook/Ax/Hoe/Machete	-	-
580.8	160.71	15.51	0	145.2	Slash and Burn	Reaping hook/Hoe/Machete	-	P 1
513.04	291.72	1.32	0	290.04	Tractor	Tractor/Blade/Plow/Oxcart	Shed/Storehouse	P 1/T 4
495	8.91	1.65	0	7.26	Tractor	Chain saw/Reaping hook/Hoe/Ax	Storehouse	T 1
286	350	0	0	350	Tractor	Tractor	Shed	P 1/T 5
68	78	0	0.5	75	Draft Animal	-	Storehouse	T 2
132	0	9	0	54	Tractor	Grinder	Silo	P 1/T 2
88	0	2	0	30	-	-	-	-
396	0	2	0	13	Slash and Burn	-	-	-
3	0	45	0	390.5	-	-	-	P 1
145	0	0	0	3	-	-	-	-
103	70.4	0	0	26.4	-	-	-	T 2
192	0	2	13-Jan	87.8	Draft Animal	-	-	T 4
8	0	1.5	0	30	-	-	-	T 2
175	0	2	0	6	-	-	-	-
	0	3.6	0	105.4	-	-	Shed	P 2/T 5



No. of Working Days	Average Salary	Inputs	Own Credit	Commercialization Location	Commercialization Manner	Technical Assistance	Expenses	Organization
5	5/day	Seeds	No	Municipality	Retailer	No	2540	No
30	5/day	-	Yes/No	Municipality	Wholesaler/Retailer	No	2220	No
P 5	P 130	Fertilizer	Yes	-	Others	No	1440	Yes
-	-	Agr.Chem.	Yes	Municipality	Others	No	4200	Yes
-	-	Fertilizer	Yes	Municipality	Retailer	No	8400	No
-	-	Agr.Chem.	Yes	Country	Retailer	Yes	3480	No
-	-	-	Yes	Municipality	Retailer	No	2110	No
28	Percentage	-	Yes	Municipality	Retailer/Middleman	No	2156	No
26	168 R\$	Agr.Chem.	Yes	Municipality	Retailer/Middleman	No	5936	No
-	-	Agr.Chem.	Yes	Municipality	Others	No	776	No
P 28/T 28	P 112, T 112	Fertilizer	-	-	-	No	-	-
60	260	S/A	Yes	Municipality	Retailer/Middleman	No	3364	No
-	-	-	Yes	Municipality	Retailer	No	1196	No
P 30/T 120	P 336, T 600	-	-	-	Others	Yes	-	-
30	100	-	Yes	Municipality	Retailer/Middleman	No	3420	No
30	450	Agr.Chem.	No	Municipality	Retailer/Middleman	No	1101	No
P 28/T 90	P 224, T 5/day	A/F/A	Yes	Country	Wholesaler	No	28000	Yes
P 218/T 140	P 336, T 5/day	Agr.Chem.	-	Country	Wholesaler/Middleman	No	-	Yes
P 30/T 60	P -, T 300	-	-	Municipality	Wholesaler/Middleman	No	-	-
26	112	S/F/A	Yes	Municipality	Retailer	Yes	3148	No
-	-	-	Yes	Municipality	Retailer/Middleman	Yes	5308	No
-	-	-	Yes	Municipality	Wholesaler	No	2484	Yes
28	168	Agr.Chem.	-	-	-	No	-	No
P 26/T 78	P 112, T 5/day	F/A	Yes	Municipality	Others	No	13020	No
30	150	F/A	Yes	Municipality	Retailer/Middleman	No	4008	No
P 5/T by Contract	P 16, T 5/day	-	Yes	Municipality	Middleman	No	28900	No
700	5/day	Seeds	Yes	Municipality	Retailer	Yes	5940	Yes
P 365/T 120	P 112, T 50	S/F	Yes	Municipality	Others	Yes	12480	Yes
-	-	S/F	Yes	State	-	No	4560	Yes
1	Brother	No	Yes	Municipality	-	No	10560	Yes
-	-	No	Yes	Municipality	Wholesaler	No	6600	No
15	75 R\$	No	Yes	Municipality	Wholesaler	Yes	4560	Yes
20	100	Seeds	Yes	Municipality	Wholesaler	No	5960	Yes
15	75 R\$	No	Yes	Municipality	-	No	5220	No
-	-	Seeds	Yes	-	-	No	3360	No
-	-	No	No	Municipality	Others	No	1980	No
P 30/T 15	P 137.5, T 75 R\$	No	Yes	Municipality	Others	No	7320	Yes

Table IV - 7.1 Resume of the Rural Producers' Rural Socio-Economic Survey Questionnaires (Continued)

Number Quest.	Municipality	Age	Origin	Arrival	Civil Status	Education	Main Activity	No. of Persons	Type of Dwelling	Type of Comb.
12 - F East	Lagoa do TO	60	TO	-	Married	Illiterate	Agriculture	4	Thatched roof/Wood/Bambu/Earth floor	Firewood
13 - F East	Mateirós	59	TO	-	Married	1st Grade Inc.	Agriculture	7	Thatched roof/Adobe/Earth floor	Firewood
14 - F East	Mateirós	45	TO	-	Married	1st Grade Inc.	Agriculture	4	Tiles/Adobe/Earth floor	Firewood
15 - F East	Sta. Tereza do TO	67	TO	1977	Married	1st Grade Inc.	Agriculture	5	Tiles/Adobe/Earth floor	Firewood/Gas
16 - F East	Lizanda	50	TO	1975	Divorced	1st Grade Compl.	Trader	1	Tiles/Masonry	Firewood
17 - F East	Lizanda	55	TO	1968	Married	1st Grade Inc.	Agriculture	5	Thatched roof/Adobe/Earth floor	Firewood
18 - F East	São Felix do TO	20	TO	-	Married	1st Grade Comp.	Agriculture	2	Thatched roof/Adobe/Earth floor	Firewood
19 - F East	Aparecida do R. Negro	52	TO	1991	Married	1st Grade Comp.	Agriculture	3	Tiles/Adobe/Earth floor	Firewood/Gas
20 - F East	Novo Acordo	37	TO	1992	Mamed	1st Grade Comp.	Agriculture	5	Thatched roof/Adobe/Earth floor	Firewood/Gas
1 - G Northwest	Colinas	32	GO	1968	Married	1st Grade Comp.	Cattle raising	5	Tiles/Masonry/Earth Floor	Firewood/Gas
2 - G Northwest	Colinas	35	MG	1968	Married	1st Grade Comp.	Cattle raising	5	Tiles/Masonry/Earth Floor	Gas
3 - G Northwest	Presidente Kennedy	44	-	1977	Married	Illiterate	Peasant	4	Tiles/Masonry/Earth Floor	Gas
4 - G Northwest	Brasília	60	MG	1968	Married	Illiterate	Cattle raising	4	Tiles/Masonry/Ceramics	Gas
5 - G Northwest	Arapoema	48	GO	1993	Married	1st Grade Comp.	Cattle raising	4	Thatched roof/Wood/Earth Floor	Gas/Electricity
6 - G Northwest	Tupiratis	66	TO	1950	Married	1st Grade Comp.	Peasant	3	Thatched roof/Wood/Earth Floor	Firewood
7 - G Northwest	Couto Magalhães	54	GO	1973	Married	1st Grade Inc.	Milk Producer	5	Tiles/Masonry/Earth Floor	Firewood/Gas
8 - G Northwest	Goiante	53	GO	-	Married	1st Grade Comp.	Cattle raising	3	Tiles/Masonry/Earth Floor	Gas
9 - G Northwest	Bernardo Sayão	52	GO	1967	Concubinate	1st Grade Inc.	Cattle raising	4	Wood/Tile	Firewood/Gas
10 - G Northwest	Tupiratis	48	SP	1997	-	1st Grade Comp.	Cattle raising	-	Tiles/Masonry/Earth Floor	Gas
11 - G Northwest	Requizeiro	76	MG	1982	Married	-	Milk Producer	4	Tiles/Masonry/Earth Floor	Gas/Electricity
12 - G Northwest	Guara	67	MA	1946	Married	1st Grade Inc.	Cattle raising	3	Tile/Masonry/Ceramics	Gas
13 - G Northwest	Colmeia	52	GO	1976	Married	1st Grade Inc.	Trader	3	Metallic tile/Masonry/Earth floor	Gas
14 - G Northwest	Itapor	79	MA	1948	Married	-	Cattle raising	3	Tiles/Masonry/Earth Floor	Firewood/Gas
15 - G Northwest	Banderantes	55	MG	1970	Married	1st Grade Comp.	Agric./Cattle rais.	2	Tile/Masonry/Earth floor/ceramics	Firewood/Gas
16 - G Northwest	Arapoema	57	TO	1965	Married	1st Grade Inc.	Milk Seller	8	Tile/Masonry/Ceramics	Firewood/Gas
17 - G Northwest	Fortaleza do Taboão	47	MA	1989	Married	-	Trader	6	Tiles/Masonry/Earth Floor	Firewood
18 - G Northwest	Pau D'arco	37	GO	1990	Married	2nd Grade Comp.	Cattle raising	7	-	Firewood/Gas
19 - G Northwest	Couto Magalhães	48	PA	-	-	1st Grade Inc.	Cattle raising	5	Metallic tile/Masonry/Earth floor	Firewood/Gas
20 - G Northwest	Colmeia	44	SP	1970	Mamed	-	Trader	6	Tile/Masonry/Earth floor	Firewood/Gas
1 - H Southeast	Tapas	41	MG	1992	Married	1st Grade Inc.	Trader	3	Tile/Adobe/Cement	Gas
2 - H Southeast	Natividade	71	TO	-	Widower	1st Grade Inc.	Peasant	4	Tile/Adobe/Earth floor	Firewood
3 - H Southeast	São Valério	46	TO	-	Married	Illiterate	Peasant	6	Tile/Adobe/Cement	Firewood/Gas
4 - H Southeast	Almas	52	MG	1994	Concubinate	1st Grade Comp.	Cattle raising	3	Tile/Masonry/Ceramics	Gas
5 - H Southeast	Rio da Conceição	64	TO	-	Married	Illiterate	Peasant	11	Tile/Adobe/Cement	Firewood/Gas
6 - H Southeast	Ponto Alegre	56	GO	1989	Married	1st Grade Inc.	Peasant	6	Tile/Masonry/Ceramics	Firewood/Gas
7 - H Southeast	Dianópolis	67	TO	-	Married	Illiterate	Peasant	3	Tile/Adobe/Earth floor	Firewood
8 - H Southeast	Novo Horizonte	39	TO	-	Married	Illiterate	-	5	Tile/Adobe/Cement	Gas

Illumination	Sanitary Conditions	Water Source	Domestic Utilities legend at the bottom)	(see	No. and Type of Schools (Low 1st grades=L, High 1st grades=H, grade=S)	Health Conditions (p=precarious, r=regular, g=good, H=hospital, HP=health post, HA=health agent)	Land ownership
Oil/Gas	Toilet	Brook/Spring	1A/1N/1M			1 r H, 1 r HP	Owner
Oil/Gas	Toilet	Brook/Spring	1A/1J/1O				Owner
Oil	Toilet	Brook/Spring	1A/1J				Owner
Oil	Toilet	Brook/Spring	1A/1D/1J/1K/1N			1 p HP	Owner
Oil	Piped water/Bathroom/Cesspit	Spring	1J/1K/1G/1N/1O			1 p HA	Owner
Oil	Piped water/Toilet	Brook/Spring	1A/1D		6 L	1 p H, 1 g HP	Owner
Oil	Toilet	Brook	1J		1 L	1 g H, 1 r HP	Owner
Oil	Toilet	Brook/Spring	1A/1D/1I/1F			1 g H, 1 r HP	Owner
Oil	Piped water/toilet	Brook/Spring	1A/1D/1J/1N				Owner
Electricity	Piped water/Bath./Cistern/Toilet	Well	1A/1B/1D/1E/1F/1H/1J/1L/1M/1O		1 L, 1 H, 1 S	1 g H, 1 g HP	Owner
Electricity	Piped water/Bath./Cistern/Cesspit	Well	1B/1D/1F/1G/1H/1J/1L/1M			1 g H, 1 g HP	Owner
Electricity		Well	1A/1B/1D/1E/1J/1M		1 L, 1 H, 1 S	1 r H, 1 r HP	Owner
Electricity	Piped water/Bath./Cistern/Cesspit	Well	1A/1B/1C/1D/1E/1F/1H/1J/1M		1 L, 1 H, 1 S		Owner
Oil	Cistern/Bathroom/Toilet	Well/Spring	1F/1J/1M		1 L, 1 H, 1 S	1 r H, 1 r HA	Owner
Oil	Toilet	Brook	1J		1 L, 1 H, 1 S	1 g H, 1 r HP, 1 g HA	Owner
Oil	Cistern/Toilet	Well/Brook	1A/1J/1N		1 L, 1 H, 1 S	1 r H, 1 r HP, 1 p HA	Owner
Electricity	Piped water/Cistern/Toilet	Well/Brook	1A/1D/1F/1L/1M		1 L, 1 H, 1 S	1 g H	Owner
Electricity	Piped water/Bath./Cistern/Toilet	Well/Brook	1A/1B/1D/1F/1G/1M		1 L, 1 H, 1 S	1 g HP, 1 r HA	Owner
Electricity	Piped water/Bath./Cistern/Cesspit/Toilet	Well	1A/1B/1D/1J		1 L, 1 H, 1 S	1 p H, 1 p HP	Owner
Oil	Piped water/Bathroom/Cistern	Well/Brook	1A/1D/1F/1H/1J		1 L, 1 H, 1 S	1 r H, 1 p HP	Owner
Electricity	Bathroom/Toilet	Well	1A/1D/1F/1H/1J		1 L, 1 H, 1 S	1 r H, 1 p HP	Owner
Electricity	Piped water/Bath./Cesspit/Cistern	Well	1A/1B/1C/1D/1E/1F/1G/1H/1J/1L/1M		1 L, 1 H, 1 S	1 g H, 1 r HP	Owner
Electricity	Piped water/Bath./Cistern	Brook	1A/1B/1D/1E/1F/1H/1J/1N		1 L, 1 H, 1 S	1 p H, 1 g HP	Owner
Electricity	Piped water/Bath./Cistern	Brook/Spring	1A/1B/1C/1F/1O		1 L, 1 H, 1 S	1 r H, 1 p HP	Owner
Electricity	Piped water/Bathroom	Brook	1A/1B/1D/1E/1F/1H/1L		2 S		Owner
Electricity	Piped water/Bathroom/Cesspit/Cistern	Well/Spring	1B/1F/1J/1M/1O		20 L, 2 H, 2 S	1 p H, 1 r HP, 1 r HA	Owner
Oil	Cistern/Toilet	Well/Brook	1A/1U/1M		1 L, 1 H	1 r HP	Owner
Oil	Cistern/Toilet	Well	1M		1 L, 1 H, 1 S	1 r H, 1 r HP	Owner
Oil	Cistern/Bathroom	Brook	1A/1F/1J		1 L, 1 H, 1 S	1 r H, 1 r HP	Owner
Electricity	Piped water	Well	1A/1B/1L		1 L, 1 H, 1 S	1 p H, 1 g HP	Owner
Oil	Cistern/Bathroom/Cesspit	Well	1J		1 L, 1 H		Occupant
Oil	Cistern	Well/Brook	1A/1F/1J/1N/1O		6 L, 6 H, 1 S	1 r H	
Oil	Cistern	Well	1A/3J			1 r HP, 1 g HA	Owner
Electricity	Piped water/Bath./Cesspit/Cistern	Well/Brook	1A/1B/1E/1F/1G/1M		3 L, 3 H, 1 S	1 g H	Owner
Oil	Piped water	Nascent	1A		3 L, 1 H		Owner
Oil	Bathroom/Cesspit/Cistern	Well/Brook	1A/1B/1D/1J		2 L, 2 H, 1 S	1 r H, 1 g HA	Owner
Oil		Spring	1A		6 L, 4 H, 2 S	1 r H, 1 r HP	Owner
Oil	Piped water/Bath./Cesspit/Cistern	Brook	1A/1B/1D/1E/1F/1H/2J/1M/1N/1O		9 L, 1 H	1 HP	Occupant

Total Area	Cultivated Area	Annual Crop	Perennial Crop	Pasture	Soil Preparation	Agricultural Devices	Productive Structure	No. of Workers (Temporary=T, Permanent=P)
380	24	0	5	19	-	-	-	P 1/T 10
112	8	1	5	2	-	-	Storehouse	P 3
200	8	1	3	4	-	-	Storehouse	
200	60	3	3	54	Tractor	Ration Grinder	Storehouse	P 1
200	0	0	0	40	-	-	-	T 10
195	0	5	0	14	Tractor	-	Storehouse	T 2
450	440	4	3	3	Draft Animal	-	Storehouse	T 3
320	130	2	50	80	Tractor	-	Shed	T 200
229	30	2	10	10	Tractor	-	Storehouse	P 1/T 5
50	45	0	0	45	Tractor	Trailer/Tractor	Storehouse	P 3
300	200	0	0	200	Tractor	-	-	P 5
2200	988	20	0	988	Tractor	Tractor/Plow/Trailer/Weed harrow	Storehouse	P 5
2800	0	300	0	2000	Tractor	Plow/Grain drill/Tractor	Storehouse/Shed	P 12/T 50
370	370	0	0	350	Tractor	Tractor/Plow/Trailer/Weed harrow	-	T 1
36	16.5	1/2	0	15	Slash and Burn	-	-	P 1
190	40	0	0	40	Tractor	Tractor/Plow/Grain drill/Leveler	Shed	T 1
96	90	18	6	72	Tractor	Conveyer belt/Tractor	Shed/Storehouse	P 1
995	830	30	0	800	Tractor	Plow/Leveler/Trailer	Silos/Shed/Storehouse	P 1/T 3
150	0	0	0	58	Tractor	Tractor	-	P 1/T 1
42	0	0	0	10	Tractor	-	-	-
605	575	0	0	380	Tractor	Tractor/Tiller/Plow/Planter/Weed harrow	Shed	P 2/T 10
203	193	19	0	174	Tractor	Tractor/Plow/Weed harrow/Blade	Storehouse/Shed	P 1/T 5
150	130	0	0	130	Slash and Burn	-	Storehouse	
442	350	0	0	350	Tractor	Tractor/Trailer/Grain drill	Storehouse/Shed	P 2/T 5
300	2	2	0	70	Slash and Burn	Grinder/Engine	Storehouse/Shed	P 1/T 2
250	0	20	0	106	Tractor	-	Storehouse	T 1
400	0	0	0	365	Slash and Burn	Tractor/Trailer/Weed harrow	Storehouse	T 0
290	0	0	0	90	Tractor	-	-	P 1
19	0	0	0	15	Tractor	Tractor	-	-
5	0	2, 1/2	0	2, 1/2	Slash and Burn	-	-	T 3
483	0	5	0	20	Slash and Burn	-	-	T 20
150	0	2, 1/2	0	25	Tractor	-	-	T 3
91	0	0	0	25	Tractor	Grinder	Shed	T 4
70	20	5	0.5	15	-	-	-	P 1/T 10
100	50	5	5	50	Tractor	Grinder	-	T 1
16, 1/2	1	2	1	0	Slash and Burn	-	-	-
390	95	20	5	70	Tractor	Weeder	-	T 8

No. of Working Days	Average Salary	Inputs	Own Credit	Commercialization Location	Commercialization Manner	Technical Assistance	Expenses	Organization
P 363/T 120	T 05/day	No	No	Municipality	Retailer	No	2710	No
P 365	-	No	No	Municipality	Retailer	No	1620	No
-	-	No	Yes	Municipality	Retailer	No	448	No
P 110	P 5.00/day	Seeds	No	Municipality	Retailer	No	1336	No
T 120	5/day	No	Yes	State	Retailer	Yes	1620	No
T 20	5/day	No	No	Municipality	Cooperatives	Yes	1570	No
T 3	5/day	No	No	State	Retailer	No	1344	No
200	5	Seeds	Yes	Municipality	Retailer	Yes	1580	No
P 365/T 100	P 1 Sal, T 5/day	15/T	Yes	Municipality	Retailer	Yes	7920	Yes
-	120	-	-	Municipality	Middleman	No	13100	No
-	120	-	No	Municipality	Middleman	No	9400	Yes
-	240	Agri.Chem.	Yes	Municipality	Middleman	No	18300	No
-	P 1 to 3 sal., T 150	Seeds	Yes	Municipality	Middleman	No	120400	No
-	240	S/A	Yes	Municipality	Middleman	No	17200	No
-	Retired	S/A	Yes	-	-	No	2880	No
180	5/day	Seeds	Yes/No	Country	Wholesaler	No	33040	No
-	250	Seeds	Yes	-	-	No	-	-
-	P 240, T 7/day	S/F	Yes	Municipality	Others	Yes	14000	Yes
-	P 250, T 110	Agri.Chem.	-	-	-	No	3000	-
-	-	-	-	Municipality	-	No	-	-
-	P 180, T 5/day	S/A	Yes	Municipality	Others	Yes	12400	Yes
P -/T harvest	P 180, T 120	Seeds	Yes	Municipality	Middleman	No	12300	No
-	-	Seeds	Yes	Municipality	Middleman	No	3840	No
P -/T 30	P 12, T 8/day	S/A	FNO	Municipality	Middleman	Yes	14320	No
P -/T 30	P %, T 120	Agri.Chem.	Yes	Municipality	Middleman	Yes	12300	Yes
By harvest	180	S/A	Sim	Municipality	Others	No	28600	No
-	240	Seeds	Yes	Municipality	Middleman	No	30600	No
-	240	Agri.Chem.	No	Municipality	Others	No	-	No
-	-	-	Yes	Municipality	Others	No	11400	No
30	7/day	-	-	Municipality	Others	No	2500	No
60	5/day	S/A	No	Municipality	Middleman	No	5090	No
50	5/day	Fertilizer	Yes	-	-	No	1530	No
3	112	S/F	Yes	Municipality	-	No	6100	No
P 120/T 20	P 112, T 20/day	-	-	Municipality	Wholesaler	No	550	Yes
50	500	S/F/A	Yes	Municipality	Middleman	No	850	No
-	-	-	Yes	-	-	No	550	No
30	7/day	Seeds	-	Municipality	Middleman	No	4500	Yes

Table IV - 7.1 Resume of the Rural Producers' Rural Socio-Economic Survey Questionnaires (Continued)

Number Quest.	Municipality	Age	Origin	Arrival	Civil Status	Education	Main Activity	No. of Persons	Type of Dwelling	Type of Comb.
9 - H Southeast	Conceição do TO	36	GO	1980	Married	2nd Grade Comp.	-	8	-	Gas
10 - H Southeast	Taiabas	369	BA	-	Widower	Illiterate	-	5	Tile/Bambu	Firewood/Gas
11 - H Southeast	Ponte Alta do Bom Jesus	62	GO	-	Married	1st Grade Comp.	Peasant	2	Tiles/Masonry/Earth Floor	Firewood
12 - H Southeast	Taquatinga	45	MG	1978	Married	1st Grade Inc.	Maid	6	Tile/Cement	Gas
13 - H Southeast	Aurora	60	TO	-	Married	Illiterate	Maid	11	Tile/Adobe/Cement	Firewood/Gas
14 - H Southeast	Novo Alegre	53	MG	1971	Married	1st Grade Inc.	Peasant	11	Metallic tile/Adobe/Cement	Firewood/Gas
15 - H Southeast	Combinado	52	MG	1985	Married	1st Grade Inc.	Agric./Cattle rais.	7	-	Firewood/Gas
16 - H Southeast	Lavandeira	73	TO	-	Widower	Illiterate	Peasant	4	Tile/Adobe/Masonry/Earth floor	Firewood/Gas
17 - H Southeast	-	63	SP	1985	Married	3rd Grade	Col. Reformado	3	-	Gas
18 - H Southeast	Sr Rosa	39	TO	1985	Married	2nd Grade Inc.	Agriculture	7	-	Firewood/Gas
19 - H Southeast	Pindorama	49	TO	1982	Widower	1st Grade Inc.	Peasant	3	Tile/Masonry/Cement	Firewood/Gas
20 - H Southeast	Arraias	47	TO	-	Married	1st Grade Inc.	Agric./Cattle rais.	5	Thatched roof/Adobe/Earth floor	Firewood
1 - I Central	Ipeleira	45	PI	1960	Married	Illiterate	-	6	-	Firewood/Gas
2 - I Central	Tocantina	31	GO	1979	Married	2nd Grade Comp.	Public Official	9	Tiles/Masonry/Earth Floor	Firewood
3 - I Central	Aparecida do Rio Negro	68	PE	1974	Married	1st Grade Inc.	Agric./Cattle rais.	5	Tiles/Adobe/Earth Floor	Firewood
4 - I Central	Palmas	64	MA	1940	Married	1st Grade Inc.	Agriculture	3	Adobe/Earth Floor	Gas
5 - I Central	Lageado	70	MA	1979	Married	Illiterate	Agriculture	4	Thatched roof/Adobe/Earth floor	Gas
6 - I Central	Palmas	74	MA	1953	Married	Illiterate	Agriculture	4	Thatched roof/Adobe/Earth floor	Firewood/Gas
7 - I Central	Palmas	57	RS	1990	Married	1st Grade Inc.	Agric./Cattle rais.	3	Thatched roof/Masonry/Cement	Gas
8 - I Central	Rio dos Bois	65	MG	1983	Divorced	1st Grade Inc.	Peasant	3	Tile/Masonry/Cement	Gas
9 - I Central	Tocantina	58	MA	1945	Married	1st Grade Inc.	Peasant	8	Tile/Masonry/Cement	Firewood
10 - I Central	Tocantina	48	SP	1991	Married	1st Grade Inc.	Public Official	5	Tiles/Masonry/Earth Floor	Firewood/Gas
11 - I Central	Miracema	37	TO	-	Married	2nd Grade Comp.	Peasant	5	Thatched roof/Earth floor	Firewood/Gas
12 - I Central	Miracema	38	TO	1971	Married	2nd Grade Comp.	Peasant	5	Tile/Masonry/Cement	Firewood/Gas
13 - I Central	Brejinho de Nazar	72	GO	1983	Married	2nd Grade Comp.	Agricultor	3	Tile/Adobe	Firewood/Gas
14 - I Central	Silvanópolis	61	SP	1989	Married	3rd Grade	Entrepreneur	2	Tile/Masonry/Cement	Electricity
15 - I Central	Porto Nacional	34	GO	1980	Married	3rd Grade	Medical doctor	4	Tile/Masonry/Cement	Electricity
16 - I Central	Porto Nacional	43	MA	1986	Married	Illiterate	Agriculture	3	Tile/Masonry/Cement	Firewood/Gas
17 - I Central	Sta. Rita do TO	40	SC	1980	Married	1st Grade Comp.	Agriculture	4	Tile/Masonry/Cement	Firewood/Gas
18 - I Central	Fátima	57	GO	1979	Married	1st Grade Inc.	Agriculture	5	Tile/Masonry/Cement	Firewood/Gas
19 - I Central	Silvanópolis	49	TO	-	Married	2nd Grade Inc.	Agriculture	2	Adobe/Masonry	Firewood
20 - I Central	Monte do Carmo	43	MA	1990	Married	1st Grade Comp.	Agriculture	4	Tile/Masonry/Earth floor	Firewood
1 - J Center West	Caseara	45	GO	1976	Married	1st Grade Inc.	Rural Producer	6	Thatched roof/Adobe/Earth floor	Firewood
2 - J Center West	Caseara	52	GO	1975	Married	1st Grade Comp.	Rural Producer	8	Tiles/Masonry/Cement	Firewood
3 - J Center West	Miranorte	55	PI	1966	Married	1st Grade Inc.	Rural Producer	9	Thatched roof/Earth floor	Firewood
4 - J Center West	Miranorte	59	CE	1962	Married	1st Grade Comp.	Cattle raising	7	Tile/Masonry/Cement	Gas
5 - J Center West	Miracema do TO	56	GO	1979	Married	1st Grade Inc.	Rural Producer	7	Tiles/Masonry/Earth Floor	Firewood/Gas

illumination	Sanitary Conditions	Water Source	Domestic Utilities (see legend at the bottom)	No. and Type of Schools (Low 1st grade=L, High 1st grade=H, grades-S)	Health Conditions (p=precarious, r=regular, g=good, H=hospital, HP=health post, HA=health agent)	Land ownership
Electricity	Piped water/Bath./Cesspit	Well/Spring	1B/1D/1E/1J/1N	2 L, 2 H, 1 S	1 p HP, 1 g HA	Owner
Oil	Cistern/Toilet	Well/Brook	1A/1D	6 L, 1 H	1 p HP	Owner
Gas	-	Brook	1 J	2 L, 1 H, 1 S	-	Occupant
Others	Piped water/Bath./Cesspit	Brook	1B/1D/1E/1J/1N/1O	4 L, 5 H, 5 S	1 r H	Owner
Oil	Toilet	Brook	1A/1J/2N/1O	4 L, 4 H, 1 S	1 g HP	Owner
Oil/Electricity	Piped water/Cesspit/Toilet	Well/Brook	1A/1B/1D/1E/1J/1O	4 L, 2 H, 2 S	1 r H, 1 p HP, 1 r HA	Owner
Electricity	Piped water/Bathroom/Cesspit	Well/Brook	1A/1B/1D/1E/1J/1U/1N	2 L, 1 H, 1 S	2 r H, 1 p HP, 1 r HA	Owner
Oil/Electricity	Piped water/Bathroom/Cesspit/Cistern	Well/Brook	1A/1B/1C/1D/1E/1F/1H/1J/1N/1O	1 L, 1 H	1 p HP	Owner
Oil	-	Brook	-	22 L, 12 H, 2 S	1 g H, 1 g HP	Owner
Oil	Piped water/Bathroom/Cistern	Well/Spring	1 J	1 L, 2 H, 1 S	1 r HP, 1 g HA	Owner
Electricity	Piped water/Bathroom/Cesspit/Cistern	Well/Spring	1A/1C/1D/1E/1N	1 L, 2 H, 1 S	-	Owner
Oil	Piped water	Brook/Spring	1A/1N	3 L, 1 H	-	Owner
Oil	-	Well	1A/1J	1 L, 1 S	1 r HP, 1 r HA	Owner
Oil	Piped water/Bath./Cistern/Toilet	Well/Spring	1D/1J/1L/1M/1O	3 L, 3 H, 1 S	1 g HP, 1 g HA	Owner
Oil	-	Brook	1A/1J	1 H	1 r H, 1 r HP, 1 r HA	Owner
Oil	Piped water/Bathroom	Brook	1D/1J	1 S	1 p HA	Owner
Oil	-	Brook	1A/1D/1L	1 H, 1 S	1 g HP, 1 p HA	Owner
Oil/Candles	Piped water	Brook	1A/1D/1L	1 H	1 p H, 1 r HP, 1 g HA	Owner
Electricity	Piped water/Bathroom/Cesspit	Spring	1A/1B/1J/1M	-	1 p HA	Owner
Electricity	Piped water/Bathroom/Cesspit/Cistern	Well	1J/1N	3 L, 2 H	1 HP, 1 g HA	Owner
Oil	Toilet/Cesspit	Brook	1J/1O	3 L, 3 H, 1 S	1 g HP, 1 g HA	Owner
Oil	Bathroom/Cistern/Cesspit/Toilet	Well/Spring	1A/1C/1J/1M	3 L, 3 H, 1 S	1 g HP, 1 g HA	Owner
Oil	Bathroom/Cistern/Toilet	Well/Spring	1A/1B/1J/1N	1 L	1 g HA	Owner
Gas Lamp	Piped water/Bathroom/Cesspit/Cistern	Well/Brook	1A/1M/1N	2 L	1 r HA	Owner
Oil/Candles	Piped water/Bathroom	-	1A/1J/1O	1 L, 1 H, 1 S	1 r H, 1 r HP, 1 g HA	Owner
Electricity	Piped water/Bathroom/Cesspit	Well/Brook	1A/1B/1C/1D/1E/1F/1H/1J/1N/1O	3 L, 1 H, 1 S	1 g H, 1 g HP, 1 g HA	Owner
Electricity	Piped water/Bathroom	Well/Brook/Spring	1A/1B/1C/1D/1E/1F/1H/1J/1N/1O	1 L	2 g H	Owner
Electricity	Piped water/Bathroom	Well/Brook/Spring	1A/1B/1J/1E	1 H	1 p H, 1 r HP	Owner
Electricity	Piped water/Bathroom/Cesspit	Well	1A/1B/1D/1E/1J/1L/1M	1 L, 1 H, 1 S	1 g HP, 1 g HA	Owner
Oil	Cistern/Toilet	Spring	1A/1C/1D/2J/1M	1 L, 1 H, 1 S	1 r HP, 1 r HA	Occupant
Oil	Toilet	Well	1A/1C/1J/1O	3 L, 1 H, 1 S	1 r H, 1 g HP, 1 g HA	Owner
Oil	-	Well	1A/1J/1O	1 S	1 r HP, 1 r HA	Owner
Oil	Toilet/Cesspit	Brook	1A/1D/1J	1 L, 1 H, 1 S	1 r H, 1 r HP	Occupant
Oil	Bathroom/Cistern/Toilet	Well/Brook	1A/1D/1F/1J	12 S	1 r H, 1 r HP	Owner
Electricity	Piped water	Brook/Spring	1A/1B/1D/1F/1J/1M/1O	3 H	1 p H, 1 r HP	Owner
Electricity	Piped water/Bath./Cistern/Cesspit/Toilet	Well/Brook/Spring	1A/1B/1D/1E/1J/1M	1 H	1 p H, 1 r HP	Owner
Oil	Bathroom/Toilet/Cesspit	Brook/Spring	1D/1M/1O	2 L	1 p H, 1 r HP, 1 r HA	Owner

Total Area	Cultivated Area	Annual Crop	Perennial Crop	Pasture	Soil Preparation	Agricultural Devices	Productive Structure	No. of Workers (Temporary=T, Permanent=P)
24	1	1	1-Feb	14	Tractor	Tractor	Shed	P 3/T 30
480	-	5	-	15	-	-	-	T 100
109	55	5	5	50	-	-	-	T 20
919	890	20	2 1/5	870	Tractor	-	Storehouse/Shed	P 5
150	125	15	0	110	Tractor	-	Storehouse	P 3/T 20
30	30	4	0	25	Tractor	Weeder	Storehouse	T 8
180	150	40	40	110	Tractor	Electric engine/Plow/Tiller	Shed/Storehouse	T 20
590	20	20	0	40	Tractor	-	Storehouse	P 4/T 6
830	0	0	0	0	-	-	-	-
0	0	0	0	0	Slash and Burn	Electric engine/Pump	-	P 1
60	28	1	0	30	Slash and Burn	-	Storehouse	P 1
111.9	65	18	0	50	Tractor	-	Storehouse	P 2/T 80
7.5	5	0	0	2	-	Hoe/Reaping hook/Small hoes	-	-
89.8	28.8	4.8	1	24	Tractor	-	Storehouse	T 2
250	5	2	3	40	Draft Animal	Sprayer/Hoe/Reaping hook/AX	Shed/Storehouse	T 1
25	1	0	0	5	Slash and Burn	Hoe/Reaping hook	-	-
5	4	0	0	0	Slash and Burn	Hoe/AX/Reaping hook/Small hoe	-	-
875	165	15	0	150	Slash and Burn	Hoe/Pulverizer/AX/Reaping hook	Storehouse	T 2
165	10	0	0	30	Tractor	Pulverizer/Tractor/Planter/Hoe	Storehouse	T 2
192	48	24	-	24	Tractor	Tractor/Plow	-	-
82	62.4	4.8	-	57.6	Tractor	-	-	T 2
192	56.8	8.05	0.75	48	Tractor	-	-	P 2/T 5
777	110.4	72	9.6	38.4	Tractor	Tractor/Plow/Tiller/Mower	-	P 4/T 6
179	135	15	-	120	Tractor	Tractor/Plow/Tiller/Mower	Shed	P 1/T 3
17.5	3	0	0	10	Slash and Burn	Planter/Hoe/Reaping hook/AX	-	-
350	45	0	0	150	Tractor	Pulverizer/Tractor	Shed	T 5
200	45	0	0	100	Tractor	Grinder/Tractor/weighing-machine	Shed	P 1/T 3
80	0	0	0	30	Slash and Burn	Hoe/Grinder	-	P 1
193	154	4	0	150	Tractor	Tractor/Plow/Trailer	Shed	-
10	2	0	0	8	-	Pulverizer/Hoe/Spade/Reaping hook	Storehouse	-
160	11.5	0	0	15	Slash and Burn	Hoe/Pickax/Spade/Reaping hook	Shed	T 1
60	5	0	0	40	Slash and Burn	Hoe/Small hoe/Spade/"Chisanca"	Shed	-
194	3	3	0	0	Slash and Burn	Hoe/AX/Reaping hook/"Matraca"	Storehouse	T 1
166	109.5	6.5	0	103	Tractor	Plow/Blade/Hoe/Valmet	Corral	P 1
239	153	8	0	145	Slash and Burn	"Matraca"/Mower/Hoe/Reaping hook	Storehouse/Shed	T 2
97	74.5	1.5	0	73	Tractor	Tractor/Plow/Blade/Trailer/Grinder	Storehouse/Corral	P 1/T 3
209	0	15	0	97	Slash and Burn	Chain saw/Reaping hook/hoe/"Matraca"	Storehouse/Corral	P 5