

MAN Power

MINISTRY OF EDUCATION AND CULTURE
JOAQUIM NABUCO SOCIAL RESEARCH INSTITUTE
Av. 17 de Agosto, 2187
Recife, Pernambuco, Brazil

WORK PROGRAM

The program to study the living conditions in the sugar zone of the Northeast comprises a survey and an analysis of data related to the following:

- I - Judicial structure (distribution of land).
- II - Legal-social relationships (land tenure and utilization).
- III - Work regime (labor-property relations).
- IV - Economic aspects.
 - 1. Productivity.
 - 2. Labor and its composition.
 - 3. Proceeds, expenditures and profit of agricultural exploitation measures.
 - 4. Livestock-farming products (besides sugar cane).
 - 5. Rural populations' demand structure.
 - 6. Instrumental technique.
- V - Sociological aspects:
 - 1. Living conditions of the rural population.
 - 2. Social-economic structure of the field population.
 - 3. Aspirations of the rural population.
- VI - Political and legal aspects:
 - 1. Credit policy.
 - 2. Marketing policy.
 - 3. Price policy.
 - 4. Health, Housing, Food, and Education Policy.
 - 5. Fiscal Policy.
 - 6. Rural legislation - rural worker's rights.

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Preliminary sketch of a research on employment conditions in
Northeast Brazil sugar cane agriculture (in cooperation with USAID).

A. - Objectives

- 1 - Describe the legislative complex that regulates employment conditions of sugar-cane workers. This refers strictly to agricultural workers, exclusive of industrial workers.
The purpose of this description is to evaluate its concrete application, comparing it with current practice, which will be done in the following manner:
- 2 - Description of concrete work conditions, such as working hours per day, days per week and weeks per year.
- 3 - Description of wages, number of workers earning above the minimum wages, flat minimum wages and below minimum wages.
Description of the manner in which wages are paid; if entirely in cash, if part or exclusively in chits, commodities, credit in warehouses, commissaries, etc.
- 4 - Description of the existing or non-existing leave system, number of beneficiaries, family allowances, medical assistance, transportation, etc. Inquiry on the persistence of unhired labor practices or the like, etc.
- 5 - Description of the existence or not of housing facilities and farms, and of areas for subsistence agriculture. In a positive case, are these free benefits or do they imply rent charges or wage deductions. In the case of subsistence agriculture, inquire if the agriculturists have a right to the entire tenure of crops or not.

- 6 - Description of existing relationship between individual quotas of work and wages. Inquire how and by whom these quotas are established and if they are related to the nature of the terrain (irregular terrain, degree of fertility, etc.).
- 7 - Separate description of employment conditions for women and children, specifying if they are directly employed or if they support subsidiarily the chief of family.
- 8 - Description of supplemental income sources, whether of the worker himself (specially in the mid-crop period) or of other persons in the family in handicraft, pottery, sewing activities or, according to item 5, in subsistence agriculture activities.

It is, therefore, a detailed description of the situation of the rural sugar cane worker.

B. - Methodology

- 1 - For this research USAID disposes of resources that are not sufficient to cover the entire area involved. Therefore, a representative sampling by homogeneous areas will be sought; ; the preliminary problem will be the selection of the homogeneity criterion for these areas.
- 2 - The first stage of the research will comprise a survey and analysis of the legislation mentioned in item A.1.
- 3 - Subsequently, according to the sampling obtained, the field work will be carried out. The field work techniques will be selected afterwards.
- 4 - The results obtained from the above work will be projected for the homogeneous areas from which samples were selected.

C. - Staff

- 1 - The work will require a coordinator-general, appointed by the Executive Board of the LPHB. In addition, an agronomist or someone conversant with the details of the sugar agro-industry and a statistician for the sampling work which will be done based on the homogeneous areas established by the former, will be required. The work will also call for the cooperation of an attorney specializing in the specific laws mentioned in item A.1, or of somebody who may have a special knowledge of the matter.
- 2 - Staff for the field work (interviewers and instructors) in a number which is still undetermined.

Roberto Mota

Director, Sociology Division

STAFF

The directing team will be composed of 1 sociologist, 1 economist, 1 agronomist, 1 specialist in rural legislation and 1 statistician.

There will be three executing teams: one for the States of Rio Grande do Norte and Paraíba; another for the States of Pernambuco and Alagoas and the third for the States of Sergipe and Bahia.

Each executing team will consist of one research assistant from the LJMS who will be its director and as many adjutants as necessary to cover the research area.

All the works directly or indirectly related to the research will be coordinated by an individual designated by the Executive Director of the LJMS.

Estimate

I - Direction Staff

Remuneration to the staff of the directing team, at the rate of NGr\$250.00 per month for six months and up to 6 technicians... 9,000.00

II - Execution Staff

Payment to three Field Supervisors at the rate of NGr\$300.00 per month for two months 1,800.00

Payment to collection assistants, at the rate of NGr\$10.00 per questionnaire 30,000.00

III - Per diem

Payment of per diem for 100 days for components of the directing team, at the rate of NGr\$20.00 per day 2,000.00

Payment of per diem for 200 days for Field Supervisors, at the rate of NGr\$15.00 3,000.00

Payment of per diem to chauffeurs and collection assistants when in transit (estimate of per diem for 200 days at NGr\$10.00 per day) 2,000.00

IV - Material

Questionnaires, etc..... 500 maps, photographs, etc., 300, stationary, etc. 200 1,000.00

V - Transportation

Travel tickets and miscellaneous (i.e.) gasoline, oil, lubricants, tires, other accessories, etc) for Recife Staff to several research locations (gross fund) 5,000.00

VI - Unusual Expenditures

Unexpected expenditures 6,000.00

Total

60,000.00

DURATION

The research work will be executed according to the following chronogram and its duration will be from the date of the signing of the agreement between the sponsoring entities and the incumbents:

1. Final planning of the research, preparation of collection instruments, selection and training of staff	30 days
2. Field research, collection and review of material	60 days
3. Evaluation and presentation of data	30 days
4. Analysis and interpretation of results ...	60 days
Total	180 days

FUND DISBURSEMENT CHRONOGRAM

The research work will be funded by
. and are estimated at
. and payment will observe
the following disbursement chronogram:

1. At the signature of the agreement between
sponsoring entities and the incumbent 40%
2. At the completion of the field collection
work 20%
3. At the completion of the evaluation of
the results 20%
4. At the delivery of the final report 20%

Sampling Plan

The sampling procedures described below in general terms, will be utilized in the research on the employment conditions in the Northeast sugar cane area.

The Universe is defined by the rural workers of the sugar cane agriculture in the States of Rio Grande do Norte, Paraíba, Pernambuco, Alagoas, Sergipe and Bahia, whose evaluation of work conditions and other characteristics is sought.

The sampling will observe the following operational stages:

1. Listing and classification of sugar factories in each State, according to the three categories (1st, 2nd and 3rd) and to the productivity criterion adopted by the Sugar and Alcohol Institute.
2. List of sugar cane suppliers, according to sugar factories, with the indication of the respective supply quotas.
3. Stratification of sugar factories and suppliers.
4. Fortuitous sortition of basic sampling units in selected factories and suppliers by utilizing a sampling fraction to be duly determined.

It is estimated, subject to a subsequent calculation of a definite nature, that the following interviews will be sufficient in the entire area of the research, rounding the size of samples to facilitate the control, collection and evaluation works:

Rio Grande do Norte	350
Paraíba	400
Pernambuco	1,100
Alagoas	400
Sergipe	350
Bahia	400
Total	3,000

This will give for each State separately, and consequently, for all the States altogether, an adequate precision; the size of samples were estimated, assuming a distribution around 50% of a principal characteristic inquired (desquiado), which obviously maximizes the size of the sample.

In the State of Pernambuco, the distribution of samples will take into account the division of the Zona da Mata into homogeneous areas, as adopted in preceding studies; the lack of other identical surveys makes it impossible to extend it to the other States.