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INITIAL FINDINGS OF RUR SELECTED DISTRICTS OF T

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A study carried in 1995, among 197 randomly se Province indicate a high incidence of and variability Botlokwa are totally food insecure, while that of Se food secure. Based on calculations of the minimum sample, 58%,17% and 25% are classified as food in drought and lack of income as the causal factors of production, employment seeking and asset accumn households. Intensifying staple food production, wo enhancing participatory agricultural and rural developssible options and strategies.

1. INTRODUCTION: THE PROBI SETTING

Amartya Sen(1981) in his famous book "Poverty Famine: An Essay on Entitlement Deprivation" established the important concept entitlement to the Food Security equation: Supply Access. He noted that: "Starvation is the character of some people not having enough food to eat. It is the characteristic of there not being enough food to

In an economist's framework food supply is a nececondition for food security and access to it is sufficient condition. "Food Security exists when where a population is sure of access to safe nutritious food. On the national level, a country have a stable supply of food that is available to households and individuals. There must be a guara of physical and economic access to adequate food for household members at all times, without undue ris losing such access." (Grukan, 1995). Although the adefinition may appear very simple, complexity when measuring, analysing and monitoring the car relationships and consequences of food insecurity.

Over the past three decades global food production grown faster than population, resulting in 18% more capita food production than 30 years ago. In terms food availability about 2700 calories per person per are available compared to 2300 calories three dec ago. Although these figures reflect a ger improvement in food world food availability, (1996) estimates indicate that more than 800 mi people in developing countries face chronic u nutrition and 200 million under the age of five s from acute or chronic protein and energy deficiencie these problems are not combatted, the number undernourished people may still be as high as million and over 300 million of them will be in Saharan Africa by year 2010. The same projections classify 88 countries of the world as Income Food Deficit Countries (LIFDC), and of t 42 are in Sub Saharan Africa.

South Africa being as a food surplus producing cois not classified as an LIFDC. It is generally acceptant South Africa produces sufficient food for the population yet a large proportion of the total populate acute problems of malnutrition, hunger and up

Province. Every member country of the FAO (S Africa included) is expected to present a position pron Food Security at the forthcoming World Summit of 13-17 November, 1996 in Rome, Ital South Africa, where very little knowledge smallholder agriculture and food security is available prepare a comprehensive document on Food Securit the Summit becomes a daunting task and with it conchallenge for researchers.

A study to investigate the incidences and pattern rural household food insecurity was launched in 199 selected districts of the Northern Province. This phighlights the initial and preliminary findings of study to stimulate further discussion on the subguide the on-going research and contribute to the of knowledge in HFS which would be relevant to crural areas of South Africa.

1.1 Provincial profile

The Northern Province is the poorest province in S Africa with a GDP per capita of R1266 (DBSA, 19 The Province has a population of about 5.12 mi (growing at 3.9% per year), with a total area of 119 sq km (14% arable and 54.2% grazing land). It has lowest degree of urbanization (12.1%) and is h predominantly a rural region where agriculture play important role.

This mostly semi-arid Province, is characterized problems of drought, animal disease, lack of water human and livestock, depleted underground water human and livestock. Recurring drought has adverteduced both crop and livestock production in the result (Northern Province, White Paper on Agriculture, 19 Most rural households are subjected to seasonal shortages. Employment opportunities in the rural are very limited or non existent. These features in the Province particularly vulnerable to food insecurity

2. CONCEPTUAL FRAMEWORK

Several authors (White Paper on Agriculture, 1 Staatz et. al., 1990, Eicher and Staatz, 1986) defined Food Security as the ability of all household a nation to acquire a calorie-adequate diet at all tin Food Security has two interrelated components: I Availability and Food Access. Food availability ma ensured through production, storage or trade. Acces food is achieved through production, purchases in market from income earned or food transfers. It is o that food security for the broad population is not all directly related to a country's ability to produce f Singer (1996) provided the following six factors for declining food security situation Af in marginalization of Africa in economic and hu development indicators; the impact of war and confi deterioration terms of trade and debt burdens developing countries; globalization of markets leading the shift from food to cash crop production; and resulting dependency on imported food and Afri increasing population (Sartorius von Bach, 1996).

While food security research may focus on a national regional level, household level research perspectively places major emphasis on analysing household data the performance of institutions in assuring house access to food. Analysis of micro level data provides

representativeness and their potentials in agricultur production. Structured questionnaires were used to g cross sectional data on: household characteristic demography, resource availability and use, for production, availability, consumption, income as expenditure on food, marketing, access to institution support (credit, extension and research), household coping strategies and perceptions on food insecurity Secondary data from previous studies are used to figaps.

Analytical Techniques: Simple descriptive statistics a presented for the household characteristics on most the above variables. Calculations of the values household food purchases, farm and none farm incor and value of available liquid assets for the purchase food as used by households are used as proxies measure the level of food security. Joel et. al. (198 identify the poverty approach and the monetary pover line as possible techniques to define basic consumptineeds in a specific society.

The first defines individuals as poor if they fall below poverty line set according to well defined standard SALDRU (1993) in its study of the Northern provine estimated R750/month/HH as the poverty line. The latter considers the value of the basic basket of good and services and defines anyone consuming (or earning income) less than a certain amount as being below the poverty line. The third approach which is used in the study following Phillips et. al., (1992) in defining simplified food security equation as:

FPDhh ≤ ILAhh

where

FPDhh =

Value of food production deficit of household (defined as the value of t food purchase requirements or t

Table 1: Food Security Indicators in Selected Distr

| Value (Rands) | Nebo | |
|---------------|------|--|
| FPDhh | 1614 | |
| ILAhh | 760 | |

Source: Computed from the survey data, 1995

Table 2: Status of food security by household type

| Value label | Small families (| |
|------------------|------------------|--|
| Food insecure(1) | 64 | |
| Vulnerable(2) | 27 | |
| Food secure(3) | 9 | |
| Total | 100% (10 | |

Source: Survey Data, 1995

Table 3: Status of Household Food Security by dist

| District | Insecure %F | |
|----------|-------------|--|
| Nebo | 62 | |
| Seshego | 62 | |
| Botlokwa | 53 | |
| Giyani | 45 | |
| Venda | 31 | |

Table 4: Average Maize and Groundnuts as Repo

| District | Maize in Kg | |
|----------|-------------|--|
| Nebo | 282 | |
| Botlokwa | 27 | |
| Giyani | 862 | |
| Seshego | 473 | |
| Venda | 1010 | |

Table 5: Households' Perception on Food Shortag

| F | Experience Food Shortages yes (HH) |
|---|---|
| F | For see Food Shortages (yes %HH) HH) |
| | Credit Users (% HH) |
| | Market Access(% HH) |
| | Access to Lnad: Farm land avialbale per HH in Hecta |

Source: Survey Data, 1995.

Seshego are vulnerable to food insecurity since to available incomes hardly cover their requirements

Attempts to calculate the value of subsistence is production and purchased food at individual level adult equivalent show that 58% of the people in sample are food insecure while 17% are vulnerable 25% are food secure. Those classified as inseculated allocate for purchasing and/or consume own production valued less than R342 per year per adult equivalent meet the minimum daily calory requirement (2205) the vulnerable group allocates between R342 and R and secured households are those with more than R4 Although these figures show a very rough indication HFS, it has been very difficult to get data on quantity of food consumed, purchased, sold and income.

Tables 2 and 3 reveal the status of HFS by family to (small families are those HHs with less than 5 personal large families are those with greater than 5 personal large families are those with greater than 5 personal large families are those with greater than 5 personal large families are those with greater than 5 personal large families are those with greater than 5 personal large families and the corop, groudnuts as reported by the respondents are given Table 4. Almost 90% of the HHs produce material large families are those HHs do not produce maize at all.

4.1 Households' perception on food security

Table 5 depicts that more than two-thirds of the I responded have had an experience or incidence of f shortages. Respondents attribute the causes of f shortages to drought (50%), insufficient income (34 and to other factors. 47% of the respondents also stathat the summer months when stocks from previ harvests are depleted to be the most severe time of f shortages followed by the winter months (25%), those hhs producing food, 24% claimed that their stod onot last more than six moths, 19% between 6 and months and only 29% have food in their stores last for more than a year. Other responses on credit to market and access to farm land reflect the different between HHs in the districts (Table 5).

- a) enhance domestic food production/supply;
- improve food access to the poor a vulnerable groups and
- accelerate agricultural and rural developmed programs.

An obvious strategy is to stimulate local food producti especially staple crops (drought tolerant, i.e. maize a sorghum in the province, particularly for househol who do not have the means to purchase food). Improvi and developing efficient water management system developing farming systems and technologies adapted sustainable production for the province, strengtheni adaptive agricultural research and extension are possil options National and Provincial Agricultural Polimakers have to explore.

Further research to identify vulnerable and food insecu groups in the rural areas is crucial to design a target direct food security intervention (food subsidi-programs to improve food access to the poor a vulnerable groups. Accelerating agricultural and ru development calls for provision of appropriate supp services to improve the productivity existing farms systems, promoting schemes targeted at increasing farm and off-farm employment, infrastructure improved services and marketing, improving the la tenure and security of farmers (particularly the poor a women farmers). Finally it is critical that effect participation of farmers in the agricultural and ru development process is maintained. The ultim positive effect of these measures will undoubtly impro the coping strategies to deal with the risk of fo insecurity. Subsequent comprehensive HFS studies v deal with detailed analysis of the factors responsible HFS and their interrelationships and to eventual develop a model to measure and monitor the process.

NOTES

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