FACTORS AFFECTING LOAN ACQUISITION AMONG SMALL SCALE FARMERS IN OTUKPO LOCAL GOVERNMENT AREA OF BENUE STATE, NIGERIA

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This study investigated the factors affecting loan acquisition among farmers in Otukpo LGA This state of Nigeria. Primary data collected from the farmers were utilised in this shady and analysed using descriptive statistics and probit analysis. The findings indicate that the loan collected during the 2006/2007 farming season was significantly lower (1000) that the amount of money spent on family obligations. This bring to the front burner the issue of food security and income stability of the small scale farmers. It has been discovered that many small scale farmers tend to sell off their farm produce when prices are low in order to repay social-obligated loans and also meet up some social obligations. among the explanatory variables, interest rate charged and collateral given positively influenced loan acquisition while response to loan conditions impacted negatively on it. This findings indicates that farmers are favourable disposed towards taken loan with interest and given of collateral and this is contrary to what many researchers have tended to weekshop for the Agricultural Lea

Keywords: Rational, credit delivery, credit utilisation, social-obligated loans, senior as of rum arabic marketing in Nigeria (A cas

of of Agricalture and Agricultural Technology, Department noisound Most of the researchers in the area of credit delivery to small scale farmers in Nigeria and other developing economies have concentrated their research effort on the utilization of the credit by the farmers and their attitude towards repayment. Such studies include those by Olaitan, (2006); Ozowa, (2008); Iheduru (2002); Oke et.al, (2007); Akpabio (2007); Mashatola and Daroch, (2003) and Kizilaslan and Adiguzel (2007) among others. The findings from these researches have tended to brand the farmers in a way to suggest that they are not rational in loan utilisation and repayment. Most of the studies have concluded that most farmers delay repayment or are unable to pay back bank, government or nongovernmental credit granted to them simply because they utilize the loans in noncommercial concerns like marrying new wives and not strictly on the farms for which the credit was originally sought. In Nigeria for example, this fact has influenced public policy and programmes aimed at improving the provision of credit to small scale farmers to enhance their productive capacity. In this regard, Peoples Bank of Nigeria (PBN), Community Banking System (CBS), Rural Banking programme (RBP), Family Economic and Advancement Programme (FEAP), Nigerian Agricultural, Co-operative and Rural Development Bank (NACRDB) and a host of others were mainly brought on stream in order to resolve to the issue of default in loan repayment among small scale farmers (Nmadu, 1998, 1999; MicroStart, 2008). For Example, both PBN and CBS, and even the concept of microcredit system, were established to promote community participation in loan recovery as beneficiaries were to be guaranteed by the community as worthy of such gesture and a guarantee of recovery (Nmadu, 1999). Researchers have never attempted to find out if the acquisition procedures and other steps in the credit delivery have informed the attitudes of the farmers in repayment plan. A whole look must consider application, procedures adopted by the lenders, timing of release and nature of disbursement to really understand why default has been a big burden in Nigeria agricultural credit delivery system. The other factors that could impede smooth credit administration to small scale farmers include the interest

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Maigatari, Ringim, Dutse, Gumel and Gagarawa zones and one processing company Maigatari, Ringim, Dutse, Gumel and Gagarawa zone. Production of gum arabic from a company of the comp Maigatari, Ringim, Dutse, Gumel and Gagatava Maigatari, Free boarder zone. Production of gum arabic from nursery (JIGACO) located at Maigatari, Free boarder zone. How ever it observed that gumel and Gagatava Maigatari, Gumel and Ga (JIGACO) located at Maigatari, Free boarder zone. How ever it observed that gum arabic to processing stage is carried out in the state. How ever it observed that gum arabic to processing stage is carried out in the state. The study therefore examined the production is concentrated among the elite in the state. The study therefore examined the economic and prospects of gum arabic production in the state.

METHODOLOGY

The Study area: Jigawa State is located in the North West of Nigeria, sharing boarder The Study area: Jigawa State is located in the west, Bauchi State in the east and Yobe with Kaduna State in the south, Kano State in the west, Bauchi State in the east and Yobe State in the north. The state is a semi Sahara area. The climatic condition is hash high temperature fluctuating between 18 °C - 44 °C and a mean rainfall of about 150 mm per annum (Jigawa State Daily, 2005). The dominant tribes are Hausa and Fulani. Their major occupations are farming and marketing. Among the popular cash crops grown in the State are gum arabic, groundnut, onion, cotton, and tomatoes. Other crops commonly grownin the State include millet, guinea corn. maize, rice, beans and sesame.

Data collection techniques: Multi- stage sampling techniques was used in the data collection. The first stage was a purposive sampling of four predominantly gum arabic production areas in the state, namely Gumel, Maigatari, Ringim and Mallam Maidon; while the second stage was a random sampling of gum arabic farmers in these areas for administering of questionnaire and oral interview. A total of 200 copies of questionnaire were administered among farmers out of which 150 were correctly filled and used for the

Data analytical technique used: The data were analyzed using descriptive and inferential statistics. The descriptive statistics as means, percentage and frequency tables were used to analyse the socio economic characteristics of the respondents; while inferential statistics such as budgetary analysis and Gini-coefficient were employed to analyse the profitability whysis of revenue distribution: Gini coefficient model (GC = 1 - \(\sum{XY}\)) was used to the revenue distribution among the respondents in the state. The generated among the farmers ranged from N 2500 N 1,320,000.00.these ere grouped in to five categories in order to determine the revenue distribution among respondents. The respondents within the sales range of N 1.00 N 200,000.00 formed he first category and they constituted about 63% of the total respondents which counted for only 16.40 % of the total revenue generated. The sales category of N N 400,000.00 were 17.3 % and they accounted for about 23.50% of the total generated; while those within the sales range of N 400,001 N 600,000.00 was evenue 6.7 % which generated a total revenue of 12.20%. it was also indicated that 5.3% of orderts formed the sales act. he respondents formed the sales category of N 600,001 N 800,000.00 which generated revenue of 14.40% of the total revenue. Those with sales range of greater than N 300,000.00 constituted 8.0% of the total respondents, and they generated about 33.5 % of the total revenue. Using the Gini coefficient (GC) formula, GC was calculated as 1.678 which tends to unity; 1 (Table 3). This implies that there was high level of nequality in the revenue distribution among the respondents.

Table 3: Analysis of	No. of farmers	Prop. of farmers(X)	Cum.prop of farmers	Total revenue(№)	Proportion on total revenue	on total revenue(Y)	.1028
-200,000 00,001 - 40000 00,001 - 600000 600,001 - 800,000 Above 800,000	94 26 10 8 12 150	0.627 0.173 0.067 0.053 0.080	0.627 0.800 0.867 0.920 1.00	6,211,000.00 9,007,500.00 4,664,250.00 5,523,500.00 12,822,750.00 38,229,000.00	0.164 0.235 0.122 0.144 0.335	0.164 0.399 0.521 0.665 1.00	.0690 .0349 .0352 .0800 .322

=1-0.322) This give OMha.lyr as 21.702.4 & Total net profit (0.018.

The study indicated that gum arabic is a money thriving crop. This can serve as a source of overty alleviation among farmers in the state especially when the identified constraints are properly tackled. More awareness campaign to extend the production of gum arabic to the najority of the public will aid in a better revenue earning and production encouragement of he crop in the state.

Jum arabic is a promising plant high resistance to hash climatic conditions with high conomic value. Government need to encourage the gum arabic farmers to maximize heir production capacity by providing them soft loans and some inputs like improved eedlings (A. senegal), fertilizer and source of irrigation water for their nursery roductions. This will aid in economic empowerment of the farmers in the state.

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Budgeting/profitability analysis: the formula is expressed as;
a) GM = TR TVC
GM = gross margin (N)
TR=total revenue (N)
TVC = total variable (N)
(b) NP=TR TC. Where;
NP=net profit
TR=total revenue
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TC=total cost (ii) Gini-coefficient: the formula is expressed as

Where: GC = Gini coefficient, X = percentage of producers in the $GC = 1 - \sum XY$. category, Y = cumulative proportion of total production and ∑ = summation sign

RESULTS AND DISCUSSION

Socio-economic distribution of respondents

Age distribution: The age distribution of the respondents indicated that 45.33% of farmers were within the age brackets of 20 35 years. Majority of the farmers are within 36 55 years (48.66%) while the least were those within the ages of 56 70 years which accounted for 5. 99% of the total respondents. This implies that most of the gum arabic farmers in the study areas were in their active stage and their productivity is expected be high (Table 1).

Occupational distribution of the respondents: The occupational distribution of the respondents is presented in Table 1. The result revealed that majority of the respondents (47.33%) were civil servants. This was followed by those who combined farming and trading (24.66%), while 23.33% of the respondents claimed to be full time farmers. This indicates that gum arabic business was mostly done by civil servants in the state. This implies that the civil servants have easier access to gum arabic production packages more than the non civil servants in the state.

Farm size distribution: The farm size distribution as presented in Table 1 indicated that majority of the farmers (70.66%) have only 1 4.99 hectares of gum arabic farms. Only 9.32% of the respondents have 13 hectares and above of gum arabic farms in the state. This implies that gum arabic farming in the state is mostly in the hands of small scale holders. This may be due lack of available farm land and fund to establish large scale farms of gum

Constraints distribution: There were seven (7) factors identified as constraints hindering the respondents' maximum production capacity of gum arabic in the state. Four of these were significant, namely lack of capital (32 %), lack of technical know how (21.33 %), lack of land (12.66 %) and poor yield of the crop (12.66 %) (Table 1). This implies that for gum arabic production to expand in the state, soft loan should be provided to the farmers and the extension agents should establish stronger contact with the farmers through enlightenment campaigns and demonstration plots on gum arabic production techniques.

	- eteristics of the	On the state of th
Table t Santa economic	characteristics of res Frequency	Percentage
Table 1: Socio- economic	Freque	AT STATE OF THE PARTY.
Variable		45.33
Age	68	48.66
20- 35	73	5.99
36- 55	9 and mode b	BURLINGS AND PAR
56-70		23.33
Occupation	35	24.66
Farming only	37	47.33
Trading	71	4.66
Civil servants	7	THE RESERVE OF THE PARTY OF THE
Others	The state of the state of	70.66
Farm size(ha)	106	12.66
1 - 4.99	19	7.33
5 - 8.99	11	
9 - 12.99	14	9.32
13 and above		ingl) Lyling of a
Production constraints	19	12.66
ack of land	48	32.00
nadequate capital	32	21.33
ack of technical know-how	12	8.00
ack of government support	6	4.00
ack of improved seedlings	14	9.33
oor market		12.66
oor yield	19	AS(1) 12.00

Profitability analysis: Gross margin (GM) of budgetary analysis model was used to determine the profitability of gum arabic production in study areas. Th e result of the analysis is presented in Table 2. The result indicated that GM obtained was analysis is presented in Table 2. The result in 36,553,619.00. This gives GM/ha./yr as \$\frac{1}{2}\$ 51,702.43. Total net profit (NP) was calculated in 1237,200,77 per second № 237,200.77 per respondent as N35, 580, 116.00 which gives an average of implies that gum arabic production in the state is profitable.

Table 2: Budgetary/ profitability analysis

Variables	Values
Total hectares	707 hectares
Quantity of gum arabic produced and sold	
Fixed cost	155,300 kg
Total variable cost	₩973,503.00
Total cost	₩1,675,381.00
Total revenue	₩2,648,884.00
Gross margin	₩38,229,000.00
Gross margin/ha/ year	N36,553,619.00
Net profit	₩51,702.43.00
Net profit/ farmer	N35,580,116.00
	N237,200.77

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