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Magnitude of effect of rural banditry on IFAD-CASP participating crop producers in Zamfara state, Nigeria

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Abstract

The researched analyzed the extent/ magnitude of effects of rural banditry on IFAD-CASP participating crop producers in Zamfara state, Nigeria. Interview schedule and focused group discussion (FGD) were used to collect data from 360 respondents that were selected for the study. A multi stage and simple random sampling technique was used in selecting the respondents. Descriptive statistical tools (mean, percentages, frequency distribution and ranking) were used for data analysis. The results of the study reveals that majority of the respondents were married with an average household size of 8 persons and income level of less than N 20,000 /month. Most of the respondents (50%) indicate that the conflict is very severe resulting to great economic, physical and social effects on the respondents. Majority (70%) of the respondents' perceived western agricultural zone of the study location as intense conflict area. The results of ranking of effect of rural banditry on IFAD-CASP in the study area, indicates poor participation, increased rural poverty, poor supervision of programme, poor economic growth and poor information dissemination were ranked 1st, 2nd, 3rd, and 4th respectively. Based on the finding of the study, it could be concluded that rural banditry poses poor economic growth, increased rural poverty, poor participation, and poor programme implementation and induces fear and uncertainty. The study therefore, recommend that urgent recruitment of adequate security personnel to patrol the porous borders, prompt enrollment of the vulnerable into government social investment programmes, organize training/seminars for peace building purpose.

Keywords: Magnitude, effects, rural banditry, IFAD-CASP participating crop producers, Zamfara state

1. Introduction

Rural banditry has become a widespread social phenomenon that is fast ravaging several societies of the world. In most cases rural banditry is usually the decision of individual centrally organized parties geared to engage in open armed clashes in disputes about power over government and territory and such conflicts are caused by several factors (Mustapha, 2019) ^[16]. Among the factor include is insincerity on the part of one or the parties that were involved, is the disappointment from either of the parties that were involved, is internal disagreement (Musa, 2016) ^[15], is inability to address the root cause of a long-standing conflict, is the proliferation of weapons and arms, that causes armed conflict, according to Murtala (2018) ^[14] is the ethnic factor. According to Mueller (2000) ^[13] rural banditry can only be made possible when weapons are made available to fight, thereby inflicting injuries and sometime death of individuals. Similarly mischievous individuals take advantage of it to cause disturbance in order to achieve their interest (Mueller, 2000) ^[13].

According to Babatunde (2016) ^[2], rural banditry is fast becoming popular in developing countries than in developed ones. It is also fast becoming an integral part of the activities in most developing nations like Nigeria. Earlier researchers (Magnus, 2018) ^[11] have shown that the aftermath of armed conflicts in society has been consistently negative, for instance, it increases the rate of poverty,

resulting to an increase in the number of internal displacement of several persons, causes outbreak of diseases, reduce food security and stunt impediment in economic growth.

Just like other developing nations, Nigeria has in the last five decades, experienced various forms of armed conflict, most notably after independence (1960). It has occurred in almost all the six geopolitical zones of the country. Even though the incidences do not cut across every state in each geographical zones, yet almost all the states has suffered from its negative consequences either directly or indirectly (Mueller, 2000) ^[13]. Thus, the consequences of rural banditry on the Nigerian society are negative and endless because besides affecting almost all the states of the federation it also affected virtually every other area in the state where it occurred. For instance, in Zamfara, it has led to massive loss of lives and properties and caused disease and disabilities. It has also increased the numbers of widows, widowers and orphans. It has raised up the rate of depression, trauma, mental retardation, suicide and environmental destruction with dire consequences for agricultural production and food shortages (Ladan, 2016) ^[10].

The conflict has accounted for the severe food crisis and insecurity in several parts of Zamfara state. Similarly, several agricultural lands have equally been destroyed. It has also accounted for environmental changes, degradation

of agricultural soil, erosion of the genetic base of agricultural biodiversity, water scarcity, poor governance, growing demand and changes in consumption patterns, uncontrolled deforestation, export-oriented agricultural development policies and political malfunctions (Kuna and Ibrahim, 2015) [9].

In a bid to cushion the effects of hardship posed by conflict in the rural areas of Zamfara State, the state government introduced various programmes such as amnesty. This programme is aimed at relegating the effects of rural banditry on the people of Zamfara State. It was observed that similar strategy was adopted at the Niger Delta by the Federal Government of Nigeria through the amnesty programme when the military force failed to deter the militants and bring normalcy to the region (John, 2018) [8] where people have been forced to devise coping strategies to ensure that they survive.

Before the occurrence of rural banditry in Zamfara state, the federal government introduced International Fund for Agricultural Development-Climate Change Adaptation and Agribusiness Support Programme as a strategy to efficiently combat hunger and poverty, in seven northern Nigerian States Kebbi, Sokoto, Zamfara, Katsina, Jigawa, Yobe and Borno (Fatile and Adejunwo, (2011) [6]. In these States, women and farmers with small farm holdings were the most vulnerable group of people because they suffer from hunger and poverty. Since the incessant rural banditry began in Zamfara State, the socio-economic status of these people has become extremely low apparently caused by decreased participation in rural development programmes which by

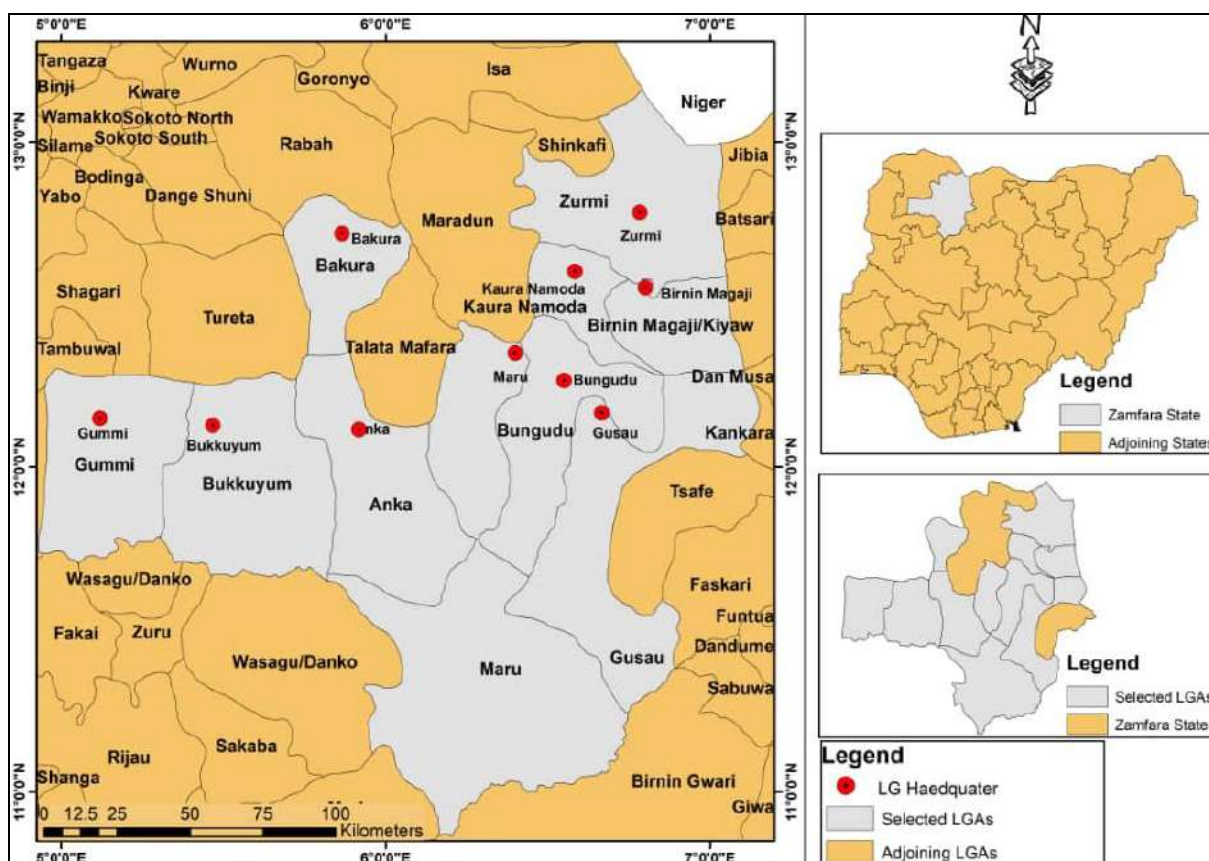
implication pose a threat to the IFAD -CASP.

Methodology

Description of the Study Area

This study was conducted in Zamfara State, the capital of Zamfara State is Gusau. The state was established in 1996 by the then military administration of the Late General Sani Abacha. Zamfara State was carved out of Sokoto State. It comprises of fourteen (14) Local Government Areas, with an area landmass of 38,418 sq. km. The state stretches between Latitude 10 21' to 13 15'N and Longitude 60 20'E Fig 1 (Google maps, 2019). Zamfara Sate is bordered in the North by Niger Republic, in the South by Kaduna State, in the East by Katsina State and in the West by Sokoto, Kebbi and Niger States respectively, the state lies in the Sudan Savannah Agro Ecological Zone of Nigeria and has a population of 4,515,400 according to annual projection of 1.5%.

Statistics have shown that more than 80% of the people living in Zamfara State engage in various forms of agricultural activities ranging from crop production of millet, guinea corn, maize, rice, groundnut, cotton, tobacco and beans to livestock and fish farming. The climate exhibits a definite mark of wet and dry seasons. Tropical continental air mass predominates during the dry season while harmattan last from December to February and wet season June to mid-October. Rainfall distribution varies from 675 mm to 1000 mm with an average annual temperature of between 26 and 30 degree centigrade.



Source: Department of Geography UDUS

Fig 1: Map of Zamfara Sate Showing the Study Area.

Sampling Techniques and Sample Size

The population of the study comprises of participating crop producers of IFAD-CASP in Zamfara State, North West Nigeria. The State is divided into three agricultural zones namely: Northern Zone (Birnin Magaji, Kaura Namoda, Shinkafi and Zurmi LGAs), Central Zone (Bungudu, Gusau, Maru and Tsafe LGAs), and Western Zone (Anka, Bakura, Bukkuyum, Gumi, Maradun and Talata Mafara LGAs).

A comprehensive list of CDAs was obtained from IFAD-CASP office in Gusau, then the selection of sample for the study was done using multi-stage sampling technique. At the first stage, from each of the three agricultural zones, three LGAs were purposively selected to obtain a total of nine (9) LGAs. At the second stage, twelve (12) CDAs were selected from each of the LGA selected to obtain a total of thirty six (36) CDAs. At the third and final stage, ten (10) respondents were selected using simple random sampling from each of the selected CDA to obtain a total of three hundred and sixty (360) respondents.

Method of Data Collection

The researcher engaged the services of research assistants. The researcher used both focused group discussion and structured questionnaires for data collection. The researchers made use of research assistants. Both the researchers and the research assistant administered the structured questionnaires directly to the respondents and immediately retrieved them upon completion. While secondary information was obtained through journal, books, magazines, internet, past thesis, Online Library, encyclopedias and research proceedings etc.

Method of Data Analysis

After the data collection process, the researcher reviewed, sorted and labeled the instruments before the commencement of the analysis. This was done using the variables in line with the research instruments. Data were analyzed using descriptive statistics such frequencies percentages, mean and ranking.

Results

Table 1: Distribution of Socio-Economic Characteristic of the IFAD-CASP participating crop producers in Zamfara State N 360

Variables	Frequency	Percentage
Sex		
Male	259	71.9
Female	101	28.1
Age		
18-27	56	15.5
28-37	117	32.5
38-47	79	21.9
48-57	80	22.2
58<	28	7.9
Marital Status		
Single	49	13.6
Married	280	77.8
Divorced	9	2.5
Separated	5	1.4
Widowed	17	4.7
Income/Month		
>20,000	199	55.3
20,001-50,000	132	36.7
50,001-80,000	16	4.4
80,001-110,000	10	2.8
110,001<	3	0.8
Residence		
Rural	298	82.7
Urban	62	17.3
Household Size		
0-5	122	33.8
6-10	135	37.5
11-15	70	19.4
16-20	33	9.3

Source: Field survey, 2020.

Table 2: Distribution of IFAD-CASP participating crop producers according to the magnitude effect of rural banditry in the study area.

Effect of rural banditry on IFAD-CASP Participating Crop Producers.	Severe	Moderate	Mild	Sum	Mean	Ranks
Physical effects	Freq (%)	Freq (%)	Freq (%)			
Farm destruction	198 (55)	88 (24.4)	74 (20.6)	844	2.34	18 th
Injury	308 (85.6)	35 (9.7)	17 (4.7)	1011	2.80	7 th
Death	250 (69.5)	88 (24.4)	22 (6.1)	948	2.63	15 th
Assault /Abduction	238 (66.1)	104 (28.9)	18 (5)	1140	3.16	1 st
Rape	296 (82.2)	49 (13.6)	15 (4.2)	1001	2.78	8 th

Destruction of market	286 (79.4)	50 (13.9)	24 (6.7)	982	2.72	12 th
Economic effects						
Crop yield	324 (90)	20 (5.6)	16 (4.4)	1028	2.85	2 nd
Reduce output	311 (86.4)	36 (10)	13 (3.6)	1018	2.82	4 th
Reduce income from crops	298 (82.7)	48 (13.3)	14 (3.9)	1004	2.78	8 th
Social effects						
Personal/family health	289 (80.2)	50 (13.9)	21 (5.9)	988	2.74	11 th
Self esteem	178 (49.5)	100 (27.8)	82 (22.7)	816	2.26	19 th
Social relationship	312 (86.7)	30 (8.3)	18 (5)	1014	2.81	5 th
Psychological effects						
Anger/emotional exhaustion	189 (52.5)	138 (38.3)	33 (9.2)	876	2.43	17 th
Stress	280 (77.78)	45 (12.5)	35 (9.7)	965	2.68	14 th
Fear	310 (86.1)	39 (10.9)	11 (3.0)	1019	2.83	3 rd
Sleepless night	309 (85.8)	35 (9.7)	16 (4.5)	1013	2.81	5 th
Family inconveniences	287 (79.8)	40 (11.1)	33 (9.1)	974	2.70	13 th
Physical exhaustion	250 (69.5)	85 (23.6)	25 (6.9)	945	2.62	16 th
Worry/anxiety	298 (82.7)	44 (12.3)	18 (5)	1000	2.77	10 th

Source: Field Survey, 2020

*Decision rule: variable with a mean score less than 2 regarded as not having effect while a variable with a mean score equal to or greater than 2 was regarded as affected by armed conflict

Table 3: Distribution of IFAD-CASP participating crop producers according to Severity of the rural banditry in the study area

Severity of the rural banditry	Frequency	Percent
Very Severe	180	50.0
Severe	93	25.8
Moderate Severe	87	24.2
Total	360	100

Source: Field Survey 2020

Discussion

Table 1 shows the socioeconomic characteristics of IFAD-CASP Participating Crop Producers from the findings, Majority 71.9% of the participating crop producers of IFAD-CASP were male due to their active involvement in outdoor activities such as farming and animal rearing. While female participates mostly in indoor farming activities such as small animal rearing, processing, threshing and packaging of farm produce this is so because Islam is the predominant religion and has put some restrictions on women to interact freely outside the matrimonial homes and getting responses from such category is sometimes impracticable. These discrepancies are believed to have been influenced by the nature of the study theme- rural banditry which is highly practiced by the male counterparts (Dimelu, 2017) ^[4]. Again, some women felt this is not their area of interest because they hardly participate. Even though they are also directly affected by these harmful acts as they are mostly the victims of rape abduction and other forms of sexual abuses (Dimelu, 2017) ^[4].

The age of IFAD-CASP participating crop producers has effect on the level of activities. It determines the level of participation in the programme and it is an important measure of farm productivity. The age grouping can be divided into say the active group and dependent age group. Table 1 shows that about (32.5%) of the IFAD-CASP participating crop producers were between the age ranges of 28-37years which is the active age range. At this age, the respondents are expected to be virile and able to do a lot of farm work if given proper incentives. According to Bello, (2019) ^[3] majority of the respondents were within their youthful ages of active involvement in rural occupations which are mostly farming and rearing of domestic animals

and invariably became more affected by the problem of cattle rustling as they are usually the target.

This agrees with the findings of Babatunde, (2016) ^[2] who posited that youth perform most active farm operation and majority of the youth are between the ages brackets of 18-35years. This was an expected indicator based on the fact that the youths have been highlighted as the main players in the rural banditry activities. This agrees with the findings of Atala and Hassan, (2012) ^[1] who opined that Majority (52.2%) of the farmers were below the mean age indicating that the farmers were still in their active and productive years. Consequently, they may respond violently to conflict issues or become very aggressive to herdsman due to youthful exuberance. Also, the results show the dominance of male in farming probably because men are more energetic and capable of involving in tedious production activities associated with farming than women.

It is believed that married couples are likely to participate more in IFAD-CASP than single parent families due to labour supply in farming activities and access to productive resources in agriculture (Dimelu, 2017) ^[4]. The research findings show that, majority of the IFAD-CASP participating crop producers are married having (77.8%), single having (13.6%), widowed (4.7%) and divorced (2.5%). This implies that most of the participating crop producers have some responsibilities; therefore marital status is an important factor to be considered in any programme of change to be introduced to the study area since family decision will be required in any activity to be embarked upon Kuna and Ibrahim, (2015) ^[9].

Zamfara State Climate Change Adaptation and Agribusiness Support Programme Officer (IFADCASP), said that the Programme was aimed to providing access to improved seeds and technologies that has helped farmers increase production as well as their income. According to the State Programme Officer raising the income of farmers through the provision of improved seeds and farming practices, which the farmers adopt has recorded high yields. "The programme has helped many farmers by increasing their yields and enhancing the farmers' income". However, this research finding was in disagreement with the above statement due to rising issue of rural banditry and rural

banditry in the study area. Majority (53.3%) of the IFAD-CASP participating crop producers in the study area has an income of <N20,000. This implies that participating crop producers suffer more loss such as reduction in output and income from crop as a result of the destruction of crops and indiscriminate bush burning by rural bandits. The findings of John, (2018) ^[8] shows that majority of the farmers suffer more losses from farmer-pastoralist conflicts, especially economic losses such as reduction in output (20.0%), loss of properties (28.3%), and scarcity of food (23.3%) were regarded as severe economic losses experienced by farmers. A larger percentage (46.7%) of the farmers indicated loss of properties as a major economic loss encountered as a result of conflict.

It is necessary to establish the residence of the participating crop producers, in such a way to find out the location of the participating crop producers either urban or rural dwellers. Majority of IFAD-CASP participating crop producers (83%) are rural dwellers in the study area which are more affected by the issue of rural banditry and rural banditry while (17%) are urban dwellers. According to Dimelu (2017) ^[4] in his studies on Livelihood issues in herdsman-farmers' conflict among farming communities in Kogi State, find out that (22%) of the farming family lives in urban area. This could negatively affect the farmers' perception of conflict situation and subsequently their behavior and attitude to conflict. This might be one of the reasons why farmer-herders' conflict has remained unabated and a regular phenomenon in Zamfara state. This is in agreement with finding of this research which revealed 83% of IFAD-CASP participating crop producers are rural dwellers

Relatively the larger the family size of the IFAD-CASP participating crop producers may mean more people to cater for and more labour force will be available to work on the farm and help with other farming activities. The result in Table 1 shows that majority (33.8%) IFAD-CASP participating crop producers have a household size of 0-5, followed by (37.5%) of the participating crop producers have household sizes of 6-10 people. This implies that most of the IFAD-CASP participating crop producers have a larger household size which may have resulted from the need for family labour which may increase household productivity and larger household size may consequently result to more dependent family members.

The result in table 2 reveals the Distribution of IFAD-CASP participating crop producers according to the magnitude effect of rural banditry in the study area. All the physical variable were reported to have a mean greater than 2.0, these shows the physical effect of rural banditry affect IFAD-CASP participating crop producers. All the economic variables reported were greatly affected by the conflict with a mean of 2.8, these economic variables affects IFAD-CASP participating crop producers. The psychological effects of rural banditry with mean of 2.0 greatly affect IFAD-CASP participating crop producers. This agree with Magnus (2008) ^[11] revealed varying degrees of psychological, physical and socio economic dimensions to be consequences of conflict among conflicting parties. The findings of the study explains the extent of the consequence of conflict on IFAD-CASP participating crop producers on their livelihoods. The physical effect of conflict is mostly felt among the rural inhabitants. Also all the economic

variables affect the IFAD-CASP participating crop producers as a result of armed conflict. The psychological trauma which include fear, stress, sleepless night, worry and anxiety have greatly affected the IFAD-CASP participating crop producers, so also displacement, and migration, wanton destruction of infrastructure and above all disruption of developmental programme of IFAD-CASP as the case may be.

The result in table 3 shows the extent to which conflict affected the participating crop producers of the programme significant proportion (50%) are of the view that rural banditry is very severe in the study area while 25.8% said the occurrence of rural banditry is severe while few participating crop producers 24.2% are of the view that rural banditry occur moderately severe in the city centers of the study area. Thus, the result further reveals that rural banditry is being experience in virtually all community in the study area. This finding is in tandem with Ladan, (2016) ^[10] who reports several attacks are carried out by bandits against settlement of herders/farmer thereby killing, stealing of cattle and farm produce. According to Murtala (2018) ^[14], farmers who could not sleep at night as a result of fear or anxiety would definitely experience weakness and would not have enough energy for action, thus leading to ineffectiveness and low productivity. The finding of (Musa, 2016) ^[15] shows that (57%) of the respondents consider the effects of conflict on availability of extension services as severe. About (29%) and (33%) have affirmed that there is mild effect of rural banditry on adoption of improved technology and continued use of adopted technology. The fact that the responses of the sampled respondents are low especially from the pastoralists suggesting that less impact of extension services are felt in the study area. This is agrees with the response of one of the respondents during the focus group discussion that "The days of substantive agricultural extension activities are during the time of Oyo North Agricultural Development Project (ONADEP) which spanned from 1982 to 1989 but it is now no longer effective. Regardless of the effectiveness of extension service delivery, any improved technology adopted won't take nomads a single day to scatter. However, continuous resource-based conflicts between farmers and herdsman continue to undermine the impact of agricultural extension service delivery in Nigeria.

Conclusion/ Recommendations

Based on the summary finding of this study, the research established that majority of IFAD-CASP participating crop producers were male, married with a mean age of 33 years and an average income of less than N 20,000/ month. The factors influencing the participation of IFAD-CASP participating crop producers in the programme appears positive and statistically significant. This implies that a probability increase in the independent variables (conflict, insecurity, fear, location and experience in conflict) would led to decrease in dependent variable (participation). Further established was widespread poverty, proliferation of small arms and weapons competition for gold mines and dispute over farm land account for causes of rural banditry in the study area, resulting to economic, social and physical decline in livelihood of the crop producers. These conflict engagements have drastically affected the activity of IFAD-

CASP in carrying out its mandate to the respondents in the study area. In addition, IFAD-CASP participating crop producers were perceived to derive less benefit from the programme.

The research therefore concluded that rural banditry has significantly affected IFAD-CASP participating crop producers in Zamfara state Nigeria.

The following recommendation were proffered with a view to make IFAD-CASP viable instrument for the implementation of Agriculture, rural poverty and development.

1. The Federal Ministry of Humanitarian Affair, Disaster Management and Social Investment in collaboration with States, Local Government and Non-Government agencies should enroll the vulnerable into its social support investment programmes such N-power, Presidential youth empowerment scheme (P-YES) conditional cash grant, market money and other special intervention scheme.
2. Government should as a matter of urgency provide adequate security to Mann the porous borders of the north-western states. This can be achieved through the Nigeria immigration service and other sister security and intelligence communities.
3. Federal Government in conjunction with State and Local Government should hence forth register all mining sites and the activities of mining companies be properly monitored by the Nigeria police force, security agencies and the community
4. Both primary and secondary stakeholders like the community, traditional leaders, politicians, government and NGO should focus on providing information for early warning, organize training, workshop and seminar on peace building process and reconciliations. Promises made during such gathering should respected and redeemed.

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