

Assessment of Rural Youth Adoption of Cassava Production Technologies in Southwestern Nigeria

Authors : J. O. Ayinde, S. O. Olatunji

Abstract : This study assessed rural youth adoption of cassava production technologies in Southwestern, Nigeria. Specifically, it examine the level of awareness and adoption of cassava production technologies by rural youth, determined the extent of usage of cassava production technologies available to the rural youth, examined constrains to the adoption of cassava production technologies by youth and suggested possible solutions. Multistage sampling procedure was adopted for the study. In the first stage, two states were purposively selected in southwest, Nigeria which are Osun and Oyo states due to high level of cassava production and access to cassava production technology in the areas. In the second stage, purposive sampling technique was used to select two local governments each from the states selected which are Ibarapa central (Igbo-Ora) and Ibarapa East (Eruwa) Local Government Areas (LGAs) in Oyo state; and Ife North (Ipetumodu) and Ede South (Oke Ireesi) LGAs in Osun State. In the third stage, proportionate sampling technique was used to randomly select five, four, six and four communities from the selected LGAs respectively representing 20 percent of the rural communities in them, in all 19 communities were selected. In the fourth stage, Snow ball sampling technique was used to select about 7 rural youths in each community selected to make a total of 133 respondents. Validated structured interview schedule was used to elicit information from the respondents. The data collected were analyzed using both descriptive and inferential statistics to summarize and test the hypotheses of the study. The results show that the average age of rural youths participating in cassava production in the study area is 29 ± 2.6 years and 60 percent aged between 30 and 35 years. Also, more male (67.4 %) were involved in cassava production than females (32.6 %). The result also reveals that the average size of farm land of the respondents is 2.5 ± 0.3 hectares. Also, more male (67.4 %) were involved in cassava production than females (32.6 %). Also, extent of usage of the technologies ($r = 0.363$, $p \leq 0.01$) shows significant relationship with level of adoption of the technologies. Household size ($b = 0.183$; $P \leq 0.01$) and membership of social organizations were significant at 0.01 ($b = 0.331$; $P \leq 0.01$) while age was significant at 0.10 ($b = 0.097$; $P \leq 0.05$). On the other hand 0.01, years of residence ($b = - 0.063$; $P \leq 0.01$) and income ($b = - 0.204$; $P \leq 0.01$) had negative values and implies that a unit increase in each of these variables would decrease extent of usage of the Cassava production technologies. It was concluded that the extent of usage of the technologies in the communities will affect the rate of adoption positively and this will change the negative perception of youths on cassava production thereby ensure food security in the study area.

Keywords : assessment, rural youths', Cassava production technologies, agricultural production, food security

Conference Title : ICAB 2016 : International Conference on Agriculture and Biotechnology

Conference Location : Melbourne, Australia

Conference Dates : February 04-05, 2016