

Climate-Smart Agriculture and Smallholder Farmers' Income: The Case of Soil Conservation Practice-Adoption at Qamata Irrigation Scheme, South Africa

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ABSTRACT This paper evaluates the influence of the adoption of climate-smart agricultural (CSA) practices on smallholder farmers' overall income, using the case of soil conservation practice-adoption at Qamata Irrigation Scheme (QIS), South Africa. Employing the case study research design, data were collected from seventy smallholder farmers at the scheme (QIS), and analysis was with the multiple linear regression model because the dependent variable was continuous in nature. According to results, older farmers had more likelihood for increases in overall income. Also, farmers who were aware of recommended practices, were more likely to have increases in their overall income. Similarly, female-headed households and farmers who hold a negative perception of extension recommendations had higher probabilities for increased overall income, which were both unexpected. The conclusion is that the adoption of CSA/soil conservation practices by smallholder farmers at Qamata Irrigation Scheme has significant influence on farmers' overall income in the study area.