

RESEARCH ON GROWTH, DEVELOPMENT AND YIELD OF DROUGHT TOLERANCE RICE VARIETIES IN QUANG NAM PROVINCE

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Summary

The experiment had 10 rice varieties which collected in different sources in order to estimating their growth, development, yield and drought tolerance, were conducted in Quang Nam province, in two croppings summer - autumn 2016 and spring - winter 2016-2017. The experiment designed RCBD with three replicates for each variety. The research targets were implemented in according to the National Technical Regulation on Testing for Value of Cultivation and Use of Rice varieties (QCVN 01-55: 2011/BNNPTNT) and the Standard Evaluation System for Rice, 2014. From the results of this study, three varieties were selected, they were OM4900, OM7347 and GSR38 which had short growing time, suitable local farming condition, good growth and development. These varieties were drought tolerance and had yield relatively high in two crops, summer-autumn 2016 and winter-spring 2016-2017, OM4900 (40.33, 61.56 quintals/ ha), OM7347 (43.66, 66.60 quintals/ ha), GSR38 (45.66, 64.87 quintals/ ha), respectively.

Keywords: *Variety, drought tolerant rice, yield, growth, development.*