EVALUATION ON GROWTH, DEVELOPMENT, YIELD AND QUALITY OF NEW RICE VARIETIES IN Binh Dinh Province

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Summary
This study was conducted in summer-autumn season 2014 and winter-spring season 2014-2015 at Nhơn Hòa seed station, An Nhơn district, Bình Định province, including 09 new rice varieties: OM178, OM40, OM121, OM189, OM221, OM41, OM2431, OM9635, OM5451, and DV108 was used as the control variety. The objectives of this study are to evaluate the ability of growth, development and yield of 08 new rice varieties, thereby determining the varieties with high yield, good quality and suitable to the conditions of cultivation in Bình Định province. The results show that, in summer-autumn season 2014, there are 2 high-yield new rice varieties OM189 (71.60 quintal/ha) and OM9635 (68.26 quintal/ha); higher than DV108 (60.90 quintal/ha). In winter-spring season 2014-2015, the higher yield of the rice variety OM189 (76.40 quintal/ha) and OM9635 (73.23 quintal/ha) as compared with DV108 (65.50 quintal/ha) has the statistical significance. OM189 and OM9635 has a high yield in both seasons (summer-autumn and winter-spring) and good rice quality, which is a variety of prospects in Bình Định.

Keywords: Rice varieties, assay, Bình Định province, summer-autumn season, winter-spring season.