RESULTS OF BREEDING THE RICE VARIETY OM10424 POSSESSING
VERY EARLY GROWTH DURATION AND HIGH YIELD BY
MUTATION METHOD
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Summary
The variety OM10424 was bred by radiation mutation method from the variety OM5199 and tested in the fields from 2011. It was assessed in the national trials through three consecutive cropping seasons from 2012 to 2014. The results showed that OM10424 had a very early growth duration, 85-90 days but high yield, particularly in the winter-spring season with the highest yield of 9 tons/ha already achieved in the national trial. This variety also possessed a good grain quality suitable for export as its milled grains were long (7 mm) and translucent with a very low percentage of white belly. OM10424 possessed a moderate resistance to brown planthopper and blast. OM10424 had a wide adaptation to various soil conditions from alluvial to light acid sulphate or salinity and to all cropping seasons in the year. With the advantages of very early growth duration, high yield and good grain quality, OM10424 was highly suitable to be released for production in the Cuu Long (Mekong) delta for export.

Key words: Mutation, OM10424, radiation, rice for export, very early rice variety.