CREATIVE RESULTS AND IMPROVEMENTS OF PHU QUY GLUTINOUS RICE VARIETY
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Summary
In 1992, we has created a lot of mutant lines by using gamma irradiation (Co$^{60}$) with dose of 100 and 150 Gy on germinate seeds of TK90 glutinous rice variety at about the time of 69-72 h. Continue selection, evaluation, comparison with other mutative lines in the area of Hanoi and North Central region has selected mutation line TK106, that is bring significant mutations, has been recognized as localization rice variety in 2002, called TK106 aromatic glutinous rice variety. Simultaneously with the expansion of production in the Northern region and North nave in Viet Nam region. We continue to selectively maintained and improved this variety to develop a national rice variety. Before conducting the re-assay procedure, we have renamed this breed to Nep Phu The, then renamed to Phu Quy glutinous rice variety and is recognized as the national rice variety in 2014. Phu Quy glutinous rice variety is slightly higher plants (on average 120-125 cm), the same group with the average growing time. So we have to continue irradiation with the above method and has made many elite mutative lines for improved varieties. We has selected PQ3, a mutant line with low plant (101.43 cm and 102.61 cm in harvest and spring crop, respectively), with a short growing time (111 days and 127 days in harvest and spring crop, respectively), contributed to the creation Phu Quy glutinous rice variety same heading short days of variety.

Keywords: Phu Quy, Phu The, TK106.