

## A NEW UPLAND RICE VARIETY LC227

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Upland rice variety LC227 was selected from line IR68703-AC-24-1 in IURON, 2000. Yield and pilot production trials were conducted continuously in Southeast, Central Highlands and South Central Coastal regions in Vietnam during the years 2003-2008. Results of selection and yield trials showed that the variety had short duration with 100-110 days in the Southeast and the South Central Coastal regions, and 115-125 days in Central Highlands. LC227 had good plant type, strongly seedling vigor, with 100-115cm in plant height, sturdy culms, tolerant to drought, good tolerance to leaf blast disease. It had large panicle, high grain weight (31-33g /1000 grains), and low tillering ability. Mean grain yield of the variety reached 3-5 t/ha. LC227 had good quality with 19-21% amylose content, high protein content (9-9.4%), soft, flexible cooked rice and highly acceptable by consumers.

LC227 exhibited wide adaptability, suitable to rainfed uplands where usually affected by drought. The variety had highly suitable for upland rice-based cultivation areas, rotation with pulse crops or intercropping with industrial trees in young plant stage of 1-4 year old period. It is recommended to apply sowing rate of 150-180 kg seed/ha, balanced fertilizer application of NPK (60-80 N + 60 P<sub>2</sub>O<sub>5</sub> + 30 K<sub>2</sub>O), and control damage by Rice Stink Buge (*Leptocorisa acuta* Th.unberg) at heading stage.

LC227 was regionally approved by Ministry of Agriculture and Rural Development. Presently, the variety has been widely cultivated in Central Highlands and South Central Coastal regions of Vietnam.