



Morpho-Agronomic Characteristics of Farmers Rice Variety “Safri” from Different Regions of Chhattishgarh

Hemant Sahu, Ritu R. Saxena¹, Satish B. Verulkar¹, V. Pratibha Mohan¹ and R. K. Rao

Department of Genetics and Plant Breeding

¹*Department of Plant Molecular Biology and Biotechnology, Indira Gandhi Krishi Vishwavidyalaya, Raipur-492012, India
E-mail: hemant.sahupant@gmail.com*

Abstract: In this study characterization of hundred landraces/farmers varieties of rice (Safri) collected from different part of chhattishgarh was performed using DUS testing protocol. Characterization was done using forty six agro-morphological traits following Distinctiveness, Uniformity and Stability test (DUS) during kharif season of 2014 at the biodiversity park Indira Gandhi Krishi Vishwavidyalaya, Raipur. Among the investigated forty six qualitative and quantitative characters, 10 characters were quantitative and 36 were qualitative in nature. Leaf intensity of green colour, Leaf width of blade, time of heading, flag leaf attitude, 1000 grain weight, Grain length, Grain width, Decorticated Grain length and Width are the essential characters which are used for the grouping of variety according to the DUS guideline and recorded highest variation among accessions. All the accessions were distinct on the basis of thirty five characters. The present work is so much important in respect to the present scenario of agro-biodiversity of this region as well as identification, conservation and documentation of landraces variety for future crop improvement.

Keywords: Farmers variety, DUS, Accession, Land races, Biodiversity
