

Biochemical parameters in indigenous Chokuwa (semi glutinous) rice of Assam and their variability

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ABSTRACT : Fourteen genotypes of semi-glutinous (*chokuwa*) rice along with two glutinous (*bora*) and two non-glutinous (normal) rice genotypes were evaluated to estimate the variability, heritability and genetic advance for ten biochemical parameters *viz.*, crude protein, crude fat, crude fibre, starch, amylose, amylopectin, ash, phosphorus, calcium and iron content. Wide variation was recorded for all the characters studied except for ash, phosphorus and calcium. Highest PCV and GCV were recorded by crude fibre per cent, followed by crude protein and iron content. Crude protein and crude fibre exhibited high heritability coupled with high genetic advance indicating greater role of additive gene effects in the expression of these characters.

Key Words: *Bora* (glutinous) rice, biochemical parameters, *Chokuwa* (semi-glutinous) rice, heritability, PCV, GCV, variability.