

Inheritance studies of grain dimension and chalkiness in rice (*Oryza sativa* L.)

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SUMMARY

Gene action governing the inheritance of grain dimension and chalkiness were studied in cross Dokra- Dokri/Keraghul. The study showed that the short bold grain was dominant over the long slender grain and segregating ratio in F_2 population revealed that the short bold grain in the variety Keraghul was governed by two complementary genes. Similiary translucent endosperm was found dominant over the white centre in endosperm and segregating pattern suggested that the above character was governed by inhibitory gene control with single major gene in the Dokara-dokari.

Key Words : Rice, Grain, Quality, Characters, Inheritance

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