

Rice Varieties of Assam (2)



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Modern Rice Varieties

Inbred

An inbred rice variety is a pure line. This means that the offspring or succeeding generations produced by this variety will have the same genetic makeup. It is the result of selecting an offspring or progeny plant from a cross between two or more different varieties after it has attained genetic uniformity through several cycles of self-pollination or inbreeding.



Hybrid variety

Hybrid

Hybrid varieties exploit the phenomenon of hybrid vigor for increasing the yield potential of rice beyond the level of inbred modern rice varieties. Hybrid needs high input applications and may fail to perform to their potential if input supply will be less.



Transgenic Rice

Broadly speaking "transgenic rice" refers to any rice plant that carries foreign gene(s) introduced through genetic engineering techniques.

Rice Breeding

The commonly used breeding methods are mass selection, pure-line selection, pedigree selection, bulk method, and the backcross method. Other breeding approaches are population breeding/recurrent selection, single seed descent, and hybrid rice.

