



Khush Rice Varieties

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KHUSH'S TEAM
at International Rice
Research Institute
bred 328 lines
released as 643
varieties in 75
countries between
1967 and 2002

ABOUT 60%
of the world's rice
area in 2002 was
planted to IRRI
varieties, resulting in
rice production going
up more than 2.3
times

THE MIRACLE KHUSH RICE VARIETIES



IR36
RELEASED IN 1976

- Planted in about 11 million hectares annually worldwide during the 1980s, the highest area occupied by any food crop in history
- Could yield 9-10 tonnes grain per hectare and mature in 110-115 days, as against 1-3 tonnes over 160-180 days of traditional varieties. High yields with short duration could enable farmers to grow two rice crops a year
- First ever variety bred for resistance against a wide spectrum of pests and diseases through incorporation of genes from 14 native landraces of six countries and one wild rice species.

IR64



- Released in 1985 and planted in over 10 million hectares during the late-1990s
- Higher yields with resistance to even more pests and diseases than

IR36. Incorporating genes from 20 genes of eight countries

- Scored in grain quality in terms of texture and palatability and also higher rice milling recovery



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