



## Khush Rice Varieties





**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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