

Category	: 8th Rice Genetics Symposium
Select Theme	: Genes for Hybrid Rice
Endorsement email	:
Genes for Hybrid Rice Keyword 1	: Restorer
Genes for Hybrid Rice Keyword 2	: Molecular heterosis
Genes for Hybrid Rice Keyword 3	: male sterile
Title of Entry	: DEVELOPMENT OF BASMATI RICE (<i>oryza sativa</i>) HYBRIDS PARENTAL LINES RESISTANT TO BLB, SUBMERGENCE AND SALINITY
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Select only one type of presentation : 15 minute oral presentation

Abstract : Pakistan Kalar tract is famous for the basmati rice in all over the world. The eating preferences of the people of in the region make coarse hybrids less famous and low market price. So there was a dire need to develop basmati hybrids for internal consumption and export purpose. Different heterotic combinations were studied. For the development of basmati hybrid three basmati CMS lines named KSK1601A, KSK1701, KSK1801A were developed under the study. The parental Lines are also developed resistant to bacterial leaf blight, submergence and Salinity. The basmati hybrids developed by using the restorer's resources were named KSK118H, KSK111H, KSK144H, KSK145H yielding 7.5, 6.5, 6.7, 6.9 tons/ha with the basmati grain quality. The AGL of the of the hybrids was ranged 7.1 to 7.5 that is almost like super basmati. These hybrids can be utilized in the commercial cultivation of hybrid rice in the upper and lower Sindh regions where the hybrid rice is famous but getting very low market price.

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