

Table 3 Ranking of five desirable hybrids on the basis of *per se* performance, heterobeltiosis and economic Heterosis for different characters in rice

Characters	Desirable hybrids based on <i>per se</i> performance	Best hybrids over better parent	Best hybrids over Arize 6444
Days to 50% flowering	IR 68897A×Krishna Hansa IR 58025A×CR 2340-1 IR 68897A×CR 2340-1 Pusa 6A×CR 2340-1 IR 58025A×Pant Dhan-11	Pusa 6A×Type-3	IR 68897A×Krishna Hansa IR 58025A×CR 2340-1 IR 68897A×CR 2340-1 Pusa 6A×CR 2340-1 IR 58025A×Pant Dhan-11
Plant height (cm)	Pusa 6A×MTU-7029 IR 68897A×MTU-7029 IR 58025A×MTU-7029 IR 68897A×BPT5204 Pusa 6A×BPT5204	-	Pusa 6A×MTU-7029 IR 68897A×MTU-7029 IR 58025A×MTU-7029 IR 68897A×BPT5204 Pusa 6A×BPT5204
Number of effective tillers plant ⁻¹	Pusa 6A×Krishna Hansa Pusa 6A×Badshahbhog IR 68897A×Badshahbhog Pusa 6A×Type-3 Pusa 6A×Pant Dhan-11	IR 58025A×Type-3 IR 68897A×Badshahbhog IR 68897A×BPT5204 IR 68897A×HUR-3022 IR 68897A×HUBR-2-1	Pusa 6A×Krishna Hansa Pusa 6A×Badshahbhog IR 68897A×Badshahbhog Pusa 6A×Type-3 Pusa 6A×Pant Dhan-11
Panicle length (cm)	IR 68897A×Type-3 IR 58025A×Taraori Basmati Pusa 6A×Krishna Hansa IR 68897A×HUBR2-1 IR 58025A×Pusa Sugandha-4	IR 68897A×BPT5204 IR 58025A×Tarori Basmati Pusa 6A×BPT5204 IR 58025A×MTU-7029 IR 58025A×Sarju-52	- - - - -
Days to maturity	IR 68897A×Krishna Hansa IR 58025A×CR 2340-1 IR 68897A×CR 2340-1 Pusa 6A×CR 2340-1 IR 58025A×Pant Dhan-11	-	IR 68897A×Krishna Hansa IR 58025A×CR 2340-1 IR 68897A×CR 2340-1 Pusa 6A×CR 2340-1 IR 58025A×Pant Dhan-11
Number of spikelets panicle ⁻¹	IR68897A×Malviya -36 IR58025A×BPT 5204 Pusa 6A×Pusa Sugandha-4 Pusa 6A×Malviya-36 IR68897A×BPT 5204	IR68897A×HUR-3022 Pusa 6A×HUR-3022 Pusa 6A×BPT 5204 IR68897A×HUBR-2-1 Pusa 6A×Pusa Sugandha-4	IR68897A×Malviya -36 IR58025A×BPT 5204 Pusa 6A×Pusa Sugandha-4 Pusa 6A×Malviya-36 IR68897A×BPT 5204
Number of grains panicle ⁻¹	IR68897A×Malviya -36 Pusa 6A×Pusa Sugandha-4 IR 68897A×BPT5204 IR58025A×Sarju-52 IR58025A×BPT 5204	IR58025A×MTU-7029 IR68897A×Malviya -36 Pusa 6A×Krishna Hansa IR68897A×HUBR 2-1 Pusa 6A×HUR 3022	IR68897A×Malviya -36 Pusa 6A×Pusa Sugandha-4 IR 68897A×BPT5204 IR58025A×Sarju-52 -
1000-grain weight (g)	IR 58025A×Pusa Sugandha-4 IR68897A×Narendra-359 IR58025A×HUR 3022 IR68897A×Pusa Sugandha-4 Pusa 6A×Narendra-359	-	IR 58025A×Pusa Sugandha-4 IR68897A×Narendra-359 IR58025A×HUR 3022 IR68897A×Pusa Sugandha-4 Pusa 6A×Narendra-359
Grain yield plant ⁻¹ (g)	IR58025A×Sarju-52 IR58025A×BPT 5204 Pusa6A×BPT5204 IR68897A× BPT 5204 Pusa6A×Krishna Hansa	Pusa 6A×Krishna Hansa Pusa 6A×Tarori Basmati Pusa 6A×HUR-3022 IR 68897A×BPT5204 Pusa 6A×Narendra-359	IR58025A×Sarju-52 IR58025A×BPT5204 - - -
Hulling recovery per cent	IR58025A×Basmati-370 IR 58025A×Pusa Sugandha-4 Pusa 6A×Pusa Sugandha-3 IR58025A×Sarju-52 Pusa 6A×CR 2340-1	-	-