

Potential ricebean varieties from FOSRIN in different regions of India



Indian Partners

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Status of germplasm in FOSRIN project

Year	No. of Germplasm lines evaluated	Promising lines		
		Assam	Himachal Pradesh	Madhya Pradesh
2007-08	24+63+16= 103	JCR-07-5, JCR-07-9	RBHP-6, RBHP-38, RNHP-41	JR-1, JR-6, JR-15
2008-09	83+103+66= 252	JCR-08-49, JCR-08-50	RBHP-41, RBBP-14, RBBP-38	JR-1, PRR-1, RBL-6
2009-10	80+108+84=272	JCR-08-10, JCR-08-41, JCR-08-55	RBHP – 76, RBHP-66, RBHP-9	RBI-6, PRR-1, JR-1



Lines promoted to Mother and Baby trials

Location	Lines
Jorhat	JCR-07-7, JCR-08-49, JCR-08-50
Palampur	RBD-1, RBC-2 RBHP-6, 38 and 41
Jhabua	JR-1



Entries evaluated in. Mother and Baby Trials (2007-08 through 2009-2010) in Assam, Himachal Pradesh and Madhya Pradesh.

Entries evaluated (17)	Assam	HP	MP
JR-1	√	√	√
RBD-1	√	√	√
RBC-2	√	√	√
RBL-6	√	√	√
RBHP-38		√	
RBHP-41		√	
RBHP-42		√	
BRS-II	√	√	√
PRR-1	√	√	√
PRR-2	√	√	√
JCR-07- 07	√	√	√
JCR-07-15	√	√	√
JCR-07-16	√	√	√
JCR-08-49	√		√
JCR-08-50	√		√
JCR-51	√		√
JCR-55	√		√
Entries found suitable for seed yield	JCR-07- 07, JCR-08-50, JCR-55	RBHP-38, RBHP- 41, BRS-II	RBL-6, RBHP-38, BRS-II
For fodder	JR-1, JCR-08-49, JCR-08-50	RBHP-38, RBHP-14, JR-1	JR-1 JCR-08-49, JCR-08-50



Farmer preferred ricebean entries based on matrix ranking in Assam

Character	PRR-1	JCR-51	JR-1	JCR-55	BRS-II
Seedling vigour	4	5	3	5	4
Days to 50% flowering	4	3	2	3	4
Plant growth habit	3	4	3	4	3
Number of pods per plant	2	3	4	4	2
Days to maturity	4	3	2	3	4
Type of maturity	4	3	2	3	4
Pod length	3	4	3	4	2
Number of seeds per pod	4	3	4	3	3
Seed size	3	4	3	4	3
Grain Yield	2	5	3	5	2
Dry straw yield	-	-	-	-	-
Total	33	37	29	38	31



Mean data of matrix ranking of mother trials Himachal Pradesh

Characters	RBL-6	BRSII	RBHP-14	RBHP-38	RBHP-41	RBHP-42
Seedling vigour	3	4	4	5	4	4
Days to 50% flowering	3	4	3	4	4	4
Plant growth habit	3	4	3	5	5	4
Number of pods per plant	4	5	4	5	3	4
Days to maturity	3	5	3	5	4	4
Type of maturity	3	5	3	4	4	4
Pod length	3	4	3	5	4	4
Number of seeds per pod	3	4	3	5	4	4
Seed size	3	4	3	4	5	3
Grain Yield	3	4	3	5	4	4
Dry straw yield	2	4	4	4	5	4
Total	33	47	36	51	46	43



Mean data of matrix ranking of mother trials Madhya Pradesh

Characters	BRS-II	PRR 1	JR-1	JCR-55	JCR-51
Seedling vigour	4	4	5	5	5
Days to 50% flowering	5	5	5	4	2
Plant growth habit	4	5	5	5	3
Number of pods per plant	5	5	6	4	-
Days to maturity	6	4	4	4	-
Type of maturity	5	5	5	5	-
Pod length	6	5	6	5	-
Number of seeds per pod	5	6	6	5	-
Seed size	5	5	6	6	-
Grain yield	6	5	5	5	-
Dry straw yield	-	-	-	-	-
Total	51	49	53	48	10



Promising varieties/strains of ricebean suitable for different regions

State	Entries			
Assam	JCR-55	JCR-08-50	PRR-1	JR-1*
Himachal Pradesh	RBHP-38	RBHP-41	BRS-II	JR-1*
Madhya Pradesh	BRS-II	PRR-1	JCR-55	JR-1**

*= Suitable for fodder purpose also.



Ricebean experiment at AAU Farm, Jorhat.



Winter ricebean

Assam

JCR-08-16, JCR-08-17, JCR-08-27 and JCR-08-42 have the ability to produce seed in Assam region.

Gujarat

BRS-II and PRR-1 have set seed this year and so have the potential during post rainy season in Gujarat region.





Kharif Crop



Winter Crop





Thank You