SALINITY TOLERANT

RICE VARIETIES

- DRR Dhan 58 (IET – 28784)
- DRR Dhan 68 (BRRI Dhan 99)

DRR Dhan 58

IET 28784

Low GI, BLB Resistant, Salinity Tolerant Fine Grain Variety

DRR Dhan 58 possesses seedling stage salinity tolerance QTL, Saltol **Saltol** along with three major bacterial blight resistance genes **Xa21, xa13 and xa5** and exhibited good tolerance to salinity in coastal areas and high level of resistance to bacterial blight across the country. It yields **24%** more under saline conditions than other regular varieties.



- Low Glycemic Index
- Seedling-stage salinity tolerance QTL **Saltol**
- Three bacterial blight resistance genes **Xa21, xa13 and xa5**
- Good tolerance to salinity in **coastal areas**
- High-level bacterial-blight resistance **across the country**

AGRONOMIC & IDENTITY PROFILE

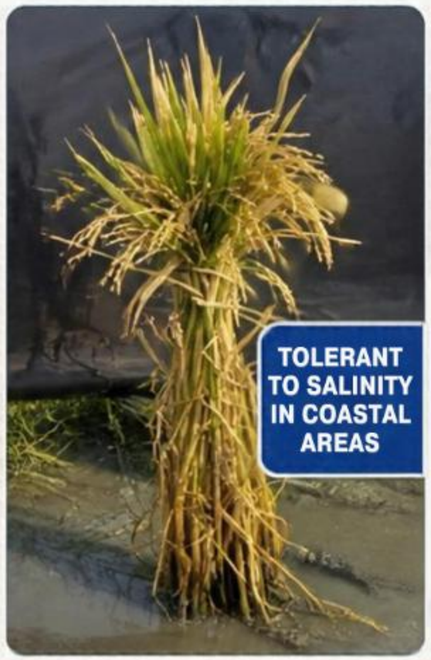
Pedigree:	Improved Samba Mahsuri*3/FL478
Ecology:	Irrigated
Grain type:	Medium Slender
Duration:	130-135 Days
Yield:	5.5 t/ha
Notificatio No:	S.O. 8 (E) | 24/12/2021
PPV & FRA No:	2022/0016
Plant height:	95 cm
1000 grain weight:	19.5 g

GRAIN & COOKING QUALITY

- Head Rice Recovery: **61.6%**
- Alkali Spreading Value: **4.0**
- Amylose Content: **23.35%**
- Gel Consistency: **22 mm**

GRAIN TYPE – MEDIUM SLENDER





YIELDS 24% MORE

UNDER SALINE CONDITIONS THAN OTHER REGULAR VARIETIES

RECOMMENDED STATES

Telangana, Andhra Pradesh, Tamil Nadu, Karnataka, Chhattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra.

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DRR Dhan 68

BRRI Dhan 99

High Yielding Rice Variety Suitable for Saline Soils and *Boro* Season

- HIGH YIELDING 5.6 T/HA
- SUITABLE FOR SALINE SOILS
- SUITABLE FOR BORO SEASON



VARIETY OVERVIEW

DRR Dhan 68 is high yielding, long slender grain type rice variety suitable for saline soils and boro season. This was developed through hybridization between Huang-Hua-Zhan (IRRI, Philippines) and OM1723 (Vietnam). BRRI in 2013-14 received this material from IRRI, Philippines, and subsequently tested it in farmers' fields in 2016-17, 2017-18, and 2018-19 in southern Bangladesh's saline areas.

DEVELOPMENT AND TESTING

- developed through hybridization between Huang-Hua-Zhan (IRRI, Philippines) and OM1723 (Vietnam)
- BRRI in 2013-14 received this material from IRRI, Philippines
- tested in farmers' fields in 2016-17, 2017-18, and 2018-19 in southern Bangladesh's saline areas.

VARIETY IDENTITY

Pedigree	Huang-Hua-Zhan/OM1723
Ecology	Boro
Grain type	Long Slender
Duration	145 - 157 days
Yield	5.6 t/ha
Notification No	S.O. 4065 (E) | 31/08/2022

GRAIN COMPARISON (BRRI DHAN 99)



HUSKED GRAIN



POLISHED RICE



GRAIN AND QUALITY

Plant Height(cm):	93 cm
1000 Grain Weight(g):	22.8 g
L/B Ratio:	3.1
HRR:	Translucent
ASV:	67.7
AC:	7.0
GC:	27.1 mm

SALIENT FEATURES

Boro Irrigated under irrigated conditions, Clay loam to Loam soils.

RECOMMENDED STATES

Assam, Tripura and West Bengal.



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