
Indian Council of Agriculture Research
Indian Insititute of Rice Research
Rajendranagar, Hyderabad, 500030
ICAR - IIRR
Rice Varieties
Presented by
Plant Breeding
Department, ICAR - IIRR


HIGH YIELDING
RICE VARIETIES

DRR Dhan 56

IET-26803

RP 6221-GSR IR1-8-S9-D2-Y2=HHZ 8-SAL9-DT2-Y2



Variety type

A High Yielding Long Slender Green Super Rice (GSR) variety

Description

DRR Dhan 56 is an early duration, highly vigorous, non-lodging, non-shattering, dark green in color and long slender grain variety possessing premium grain and cooking quality developed through the project "Green Super Rice (GSR) for the Resource-Poor of Africa" and Asia" in collaboration with IRRI, Philippines.

GREEN SUPER RICE (GSR)

Resilient. Productive. Profitable.

- Gorly Duration 110-115 Days
- High Vigorous Growth
- Non-lodging Non-shattering
- Dark Green Colour
- Long Slender Premium Grain

Yield: 5.2 t/ha

AGRONOMIC & IDENTITY INFORMATION

Pedigree	Samba Huang-Hua-Zhan*2 / Phalguna
Ecology	Irrigated
Grain type	Long Slender
Duration	110-115 Days
Yield	5.2 t/ha
Notification No	500 (E) | 29/01/2021
Protection of Plant Varieties and Farmers' Rights Authority Number	2022/0022
Plant height	102 cm
1000 grain weight	22.39 g

GRAIN & MILLING QUALITY

Hulling:	77.5%
Milling:	68.9%
Head rice recovery:	64.1%
Kernel length:	6.38 mm
Kernel width:	2.0 mm
L/B ratio:	3.18
Gel consistency:	22 mm
Alkail spreading value:	5
Amylose content:	23.15%





SALIENT FEATURES

It can replace varieties like Pusa 44, Sona Mahsuri, etc. The new variety can also be cultivated across the states with highlodging and shattering areas.

RECOMMENDED STATES

Punjab and Haryana.

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DRR Dhan 75 (IET 30107)

High Yielding Irrigated Fine Variety

DRR Dhan 75 is medium slender variety with high yielding under irrigated conditions. It is a cross between Samba Mahsuri*2 //Habataki / ST 12 with acceptable cooking quality traits and high HRR i.e., **61.5%**.



Field View



- **Fine Grain** (Medium slender)
- **High Yield** (60 q/ha)
- **Duration** (130–135 days)
- **Excellent Cooking Quality**
- **High HRR** (61.5%)

Ecology	:	Irrigated medium duration
Grain Type	:	Medium slender
Duration	:	130–135 days
Yield	:	60 q/ha
Salient features	:	Resistance to Neck blast, and moderate resistance to Leaf blast, Sheath blight and Stem borer

Recommended States : Bihar, Jharkhand, Odisha and Uttar Pradesh, Zone VI– Maharashtra and Gujarat, Zone VII – Andhra Pradesh, Telangana, Karnataka & Tamil Nadu

- High Yield Potential
- Disease Resistance
- Excellent Cooking Quality
- Good Grain Quality
- Suitable for Irrigated Conditions

Better Yield Better Future

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DRR Dhan 76 (IET 29808)

High Yielding Irrigated Fine Variety

DRR Dhan 76 is medium slender variety with high yielding under irrigated mid-early conditions. It is a cross between MTU 1121-2/ Swarna with acceptable cooking quality traits and high HRR i.e., 64.2%.





Ecology
Irrigated (Mid-Early)

Grain Type
Medium slender

Duration
115–120 days

Yield
62.0 q/ha

Salient Features
Moderate resistance to Leaf blast (LB) and Neck blast (NB), Brown Spot, Sheath Rot (ShR) and Grain Discoloration (GD)



Recommended States :
Zone III – Odisha and West Bengal,
Zone VII– Andhra Pradesh, Kerala & Puducherry

Why Choose DRR Dhan 76?

High Yield Potential | Disease Resistance | Excellent Cooking Quality | Good Grain Quality | Suitable for Irrigated Conditions

Better Yield Better Future

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DRR Dhan 80 (IET 30757)

High Yielding Irrigated Medium (NIL) Variety

DRR Dhan 80 is NIL of Gangavathi Sona possesses 3 genes (*xa5+xa13+Xa21*) for Bacterial Leaf Blight resistance. It has high yield, medium duration with acceptable quality traits and high HRR.





Grain Type
Medium slender

Duration
135-140 days

Yield
67.0 q/ha

Salient Features
Resistant to BLB, and moderately resistant to Leaf blast, Sheath rot, Neck blast, Glume dis-colouration, Gall midge and WBPH

Ecology	:	Irrigated medium conditions
Grain Type	:	Medium slender
Duration	:	135-140 days
Yield	:	67.0 q/ha
Salient features	:	Resistant to BLB, and moderately resistant to Leaf blast, Sheath rot, Neck blast, Glume dis-colouration, Gall midge and WBPH

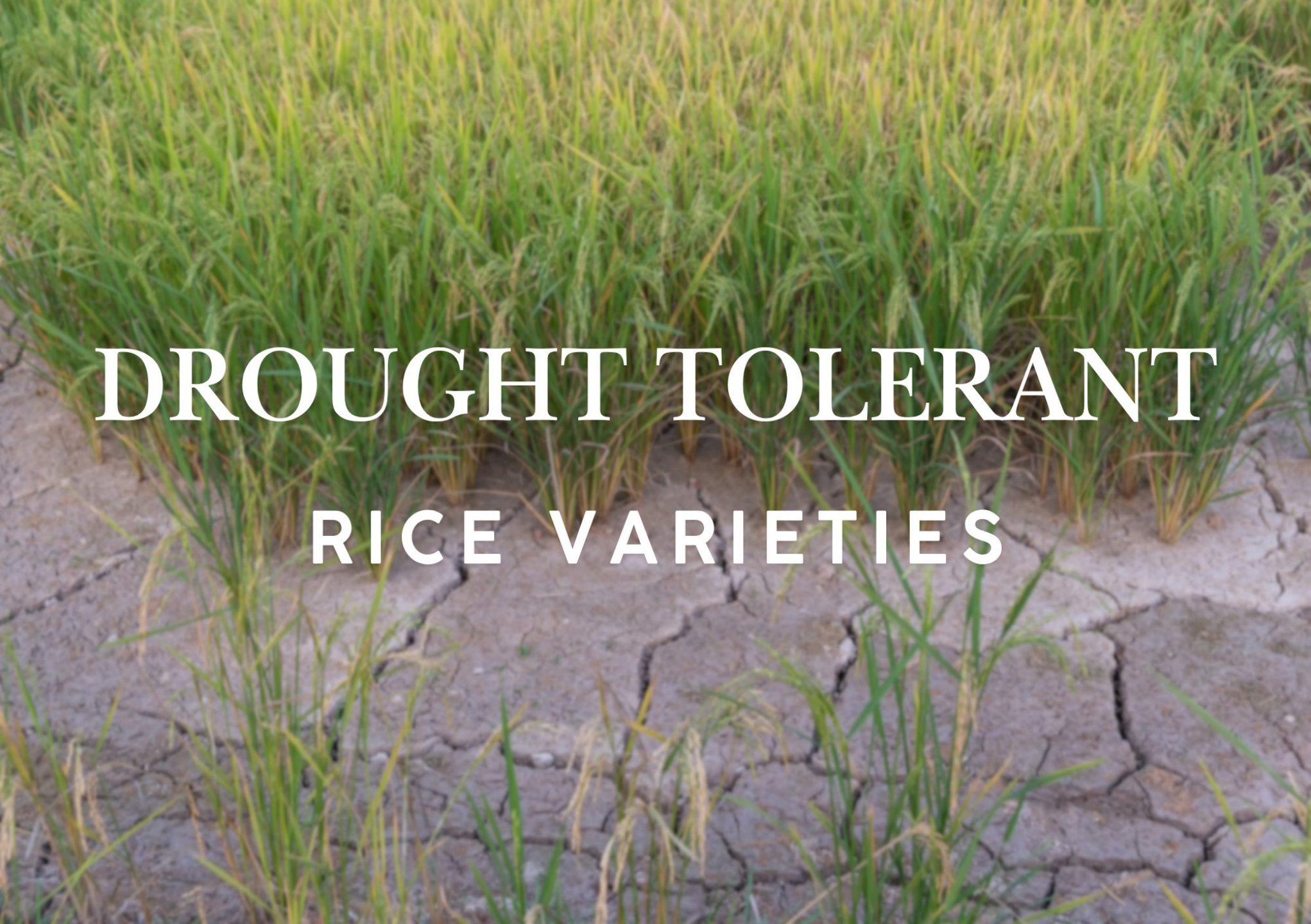
Recommended States : **Telangana and Karnataka (Zone VII)**

Why Choose DRR Dhan 80?

High Yield Potential | Disease Resistance | Good Grain Quality | Medium Duration | Suitable for Irrigated Conditions

Better Yield Better Future

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DROUGHT TOLERANT
RICE VARIETIES

DRR Dhan 42

IET 22836 | First drought tolerant MAS derived variety

It is the first drought tolerant, high yielding variety in the genetic background of IR 64, developed by marker assisted backcross breeding with the introgression of two yield QTLs **(qDTY 2.2 and qDTY 4.1).** It is an early variety sustaining a drought period of **25-30 days** during reproductive stage with an average grain yield of **2.3 to 2.5 t/ha under severe drought stress**



KEY PERFORMANCE HIGHLIGHTS

- **Grain Yield:** 4.0 6 4.5 t/ha under normal conditions
- **Plant height (cm):** 105 cm
- **Duration (days):** 120-125 days (seed to seed)

DROUGHT TOLERANCE

It is the first drought tolerant, high yielding variety in the genetic background of IR 64, developed by marker assisted backcross breeding with the introgression of two yield QTLs (qDTY 2.2 and qDTY 4.1). It is an early variety sustaining a drought period of 25-30 days during reproductive stage with an average grain yield of 2.3 to 2.5 t/ha under severe drought stress

DISEASE AND PEST RESISTANCE

Moderately resistant to leaf blast

Rice Variety:	DRR Dhan 42 (IET 22836)
Variety Type:	First drought tolerant MAS derived variety
Released for States:	Tamil Nadu, Madhya Pradesh and Chhattisgarh
Grain Type:	Long slender
Grain Yield:	4.0 6 4.5 t/ha under normal conditions
Disease and Pest Resistance:	Moderately resistant to leaf blast
Parentage:	Aday Sel/*3IR 64
IET No:	22836
Year:	2015
Notification No:	S.O.268 (E) | 28/01/2015
Protection of Plant Varieties and Farmers' Rights Authority Number:	2019/211
Ecology:	Rainfed and Irrigated
Season:	Kharif and Rabi

GRAIN QUALITY (TECHNICAL SPECIFICATIONS)

1000 grain weight (g):	L/B ratio:	Head rice recovery (%):	Alkali spreading value:	Amylose content (%):	Gel Content (mm):
25.4	3.20	52.9%	4.0	22.9%	63 mm

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DRR Dhan 44

IET 22081 | Drought tolerant early duration variety

An early duration, semi dwarf variety with tolerance to moderate drought stress at vegetative and reproductive stages. It is derived from F4 breeding material (IR71700-247-1-1-2/IR03L120) shared by IRRI, Philippines. It is adaptable for both early and late planting

PADDY (HUSK)



MILLED RICE





GRAIN YIELD	PLANT HEIGHT (CM)	DURATION (DAYS)
4.3 t/ha (Grain Yield)	100-105 cm (Semi Dwarf)	110-115 days (seed to seed)

DROUGHT TOLERANCE

An early duration, semi dwarf variety with tolerance to moderate drought stress at vegetative and reproductive stages. It is derived from F4 breeding material (IR71700-247-1-1-2/IR03L120) shared by IRRI, Philippines. It is adaptable for both early and late planting

DISEASE AND PEST RESISTANCE

Moderately resistant to sheath rot, brown spot, neck blast, plant hoppers, stem borer and leaf folder

VARIETY AND AGRONOMIC INFORMATION

Rice Variety:	DRR Dhan 44 (IET 22081)
Variety Type:	Drought tolerant early duration variety
Released for States:	Uttarakhand, Haryana and Bihar
Grain Type:	Long slender
Grain Yield:	4.3 t/ha
Disease and Pest Resistance:	Moderately resistant to sheath rot, brown spot, neck blast, plant hoppers, stem borer and leaf folder
Ecology:	Irrigated
Season:	Kharif

GRAIN QUALITY PARAMETERS

1000 grain weight (g):	21.3 g
L/B ratio:	3.35
Head rice recovery (%):	58.8%
Alkali spreading value:	4
Amylose content (%):	23.23%
Gel Consistency (mm):	64

IDENTIFICATION AND RELEASE DETAILS

Parentage:	IR71700-247-1-1-2/ IR03L120
IET No:	22081
Year:	2015
Notification No:	S.O.112 (E) | 12.01.2015
Protection of Plant Varieties and Farmers' Rights Authority Number:	2019/218

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DRR Dhan 50

IET-25671

A NIL of Samba Mahsuri with submergence and drought tolerance



Overview: DRR Dhan 50 is a NIL variety with submergence QTL (qSub1) and drought tolerant QTLs (qDTY2.1+qDTY3.1) of late duration with high yield under irrigated / rainfed condition, submergence, water logged and drought conditions at reproductive stage, released in Samba Mahsuri growing areas i.e., Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Bihar, Odisha, West Bengal, Uttar Pradesh and Madhya Pradesh.

Key highlights: Moderately resistant to leaf blast and Bacterial leaf blight; medium slender grains; intermediate very translucent grains indicating good cooking quality.

Pedigree: Samba Mahsuri Sub1*3/IR81896-B-B-195

Ecology: Irrigated

Grain type:	Medium Slender
Duration:	140 - 145 Days
Yield:	4.6 t/ha
Plant height:	90-95 cm
1000 grain weight:	13.2 g
L/B ratio:	2.60
Head rice recovery:	64%
Alkali spreading value:	4
Amylose content:	23%
Gel consistency:	27 mm

Crop in the field



Panicle



Husked grain



Milled grain



Grain comparison



Salient feature: DRR Dhan 50 has established its drought and submergence tolerance at reproductive and tillingen stage with high yield.

Recommended states: Bihar and West Bengal.

Notification No: S.O. 1379 (E) | 27/03/2018

Protection of Plant Varieties and Farmers' Rights Authority Number: 2022/0037

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DRR Dhan 52

IET-23354

A high yielding drought and heat tolerant variety with lodging and blast resistance



DROUGHT & HEAT TOLERANT
Reproductive stage heat tolerance with high yield under elevated temperature up to 5-8°C.

DIRECT SEEDING SUITABILITY
Suitable for direct seeding.

LODGING RESISTANCE
Strong and sturdy plant type for better field standing.

BLAST RESISTANCE
Built-in resistance to blast disease.

HIGH YIELD
5.9 t/ha

DESCRIPTION

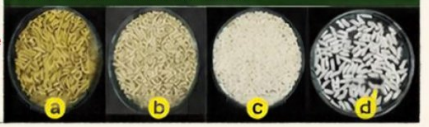
DRR Dhan 52 (IET-23354) is a drought and heat tolerant variety with lodging and blast resistance suitable for direct seeding. It has reproductive stage heat tolerance with high yield under elevated temperature up to 5-8°C. It recorded significant increase in chlorophyll and carotenoid content during heat stress at vegetative as well as reproductive stages.

KEY HIGHLIGHTS

It has long bold grain possessing good cooking qualities like 66% of Head rice recovery, 6.23 mm Kernel length, 2.34 mm Kernel breadth. A Alkali spreading value, 19.7% Amylose content, 55 mm Gel consistency. Cultivated in areas with irrigated/transplanted and low fertile areas.

a. whole grain,
b. brown/hulled rice
c. polished rice
and d. cooked rice

GRAIN TYPE: LONG BOLD





AGRONOMIC SPECIFICATIONS

Pedigree	IR 78877-208-B-1-1/IR78878-53-2-2-2
Ecology	Irrigated
Grain type	Long Bold
Duration	110-115 Days
Yield	5.9 t/ha
Plant height	110-120 cm
1000-grain weight	23.5 g
L/B ratio	2.67

GRAIN AND COOKING QUALITY

Head rice recovery:	66%
Kernel length:	6.23 mm
Kernel breadth:	2.34 mm
Alkali spreading value:	4
Amylose content:	19.70%
Gel consistency:	55 mm

SALIENT FEATURES

DRR Dhan 52 can replace popular varieties like Sahbhagi Dhan, MTU1010 and IR64.

RECOMMENDED STATES

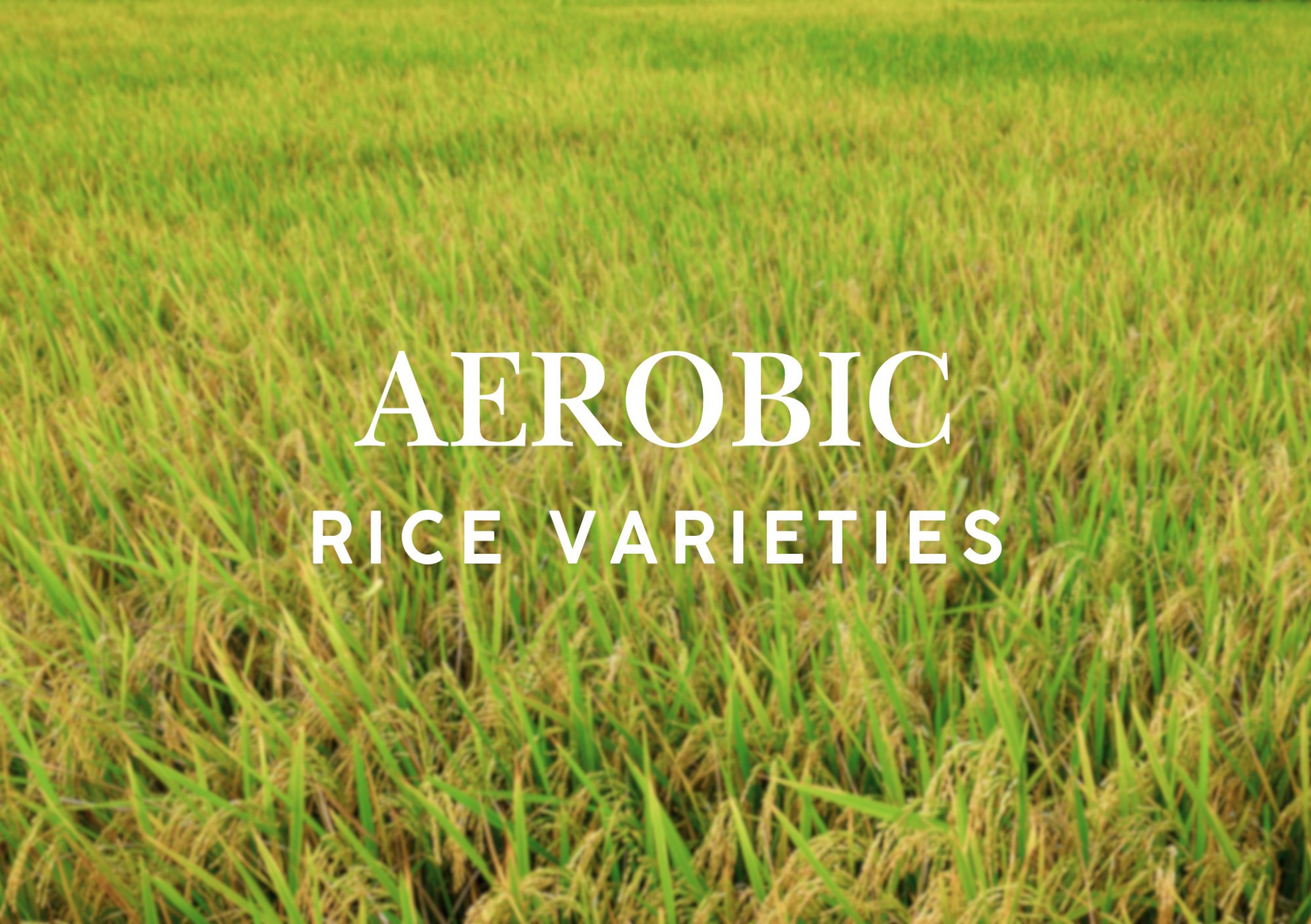
Haryana, Gujarat, Bihar and Odisha.



Notification No:
S.O. 1498 (E) | 01/04/2019
PPV and FRA Number:
2022/0039

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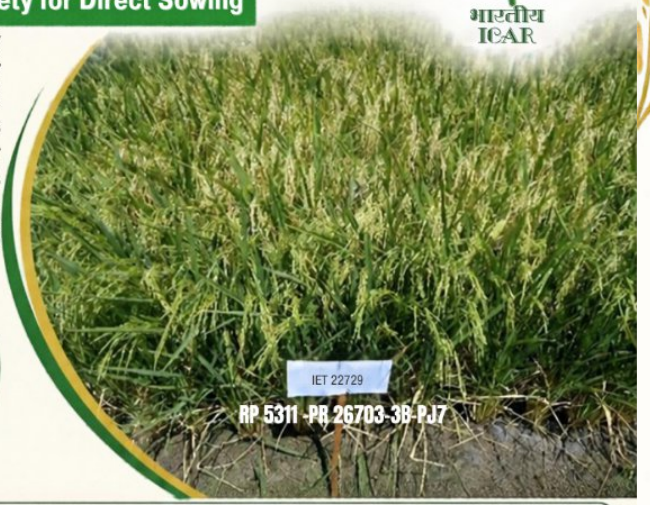

AEROBIC
RICE VARIETIES

DRR Dhan 41

IET 22729 | Aerobic Rice Variety for Direct Sowing

भारतीय ICAR

DRR Dhan 41, an aerobic variety suitable for cultivation in water scarce areas under direct seeded conditions. This variety is originated from an introduction by IRRI, Philippines through IURON-INGER nursery. Matures in 115 days with an average yield of 3.8 t/ha in aerobic system





Paddy (Husk)

Milled Rice

Grain Yield: 3.8 t/ha under aerobic conditions	Plant height (cm): 90 cm	Duration (days): 115 days (seed to seed)

Rice Variety:	DRR Dhan 41 (IET 22729)
Variety Type:	Aerobic Rice Variety for Direct Sowing
Released for States:	Bihar and Karnataka
Grain Type:	Long slender
Grain Yield:	3.8 t/ha under aerobic conditions
Disease and Pest Resistance:	Moderately resistant to nematodes, BPH and leaf folder
Parentage:	Nekken1/BPIR1 10
IET No:	22729
Year:	2014
Notification No:	S.O.268(E) | 28/01/2015
Protection of Plant Varieties and Farmers' Rights Authority Number:	2019/365
Ecology:	Direct Seeded Aerobic conditions
Season:	Kharif & Rabi

Disease and Pest Resistance: Moderately resistant to nematodes, BPH and leaf folder

Grain Quality & Milling Characteristics

1000 grain weight (g):	24.0g
L/B ratio:	3.16
Head rice recovery (%):	61.7%
Alkali spreading value:	5.5
Amylose content (%):	23.52%
Gel Consistency (mm):	48.5mm

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RP 5943-421-16-1-1-B

DRR Dhan 54

IET-25653

A high yielding variety resistant to multiple diseases under direct seeded aerobic conditions



DIRECT SEEDED | AEROBIC ECOLOGY | MULTIPLE DISEASE RESISTANCE | WATER-LIMITING AREAS

DRR Dhan 54 is a high yielding multiple disease resistant variety with desirable grain quality traits suitable for cultivation under direct seeded aerobic conditions in water limiting areas with short bold premium grain and cooking quality.

KEY HIGHLIGHTS

It possess high hulling recovery (78.1%), milling recovery (69.7%) and head rice recovery (HRR) of 65.3%. It recorded desirable cooking quality traits - Intermediate amylose content (21.6%), GC of 44mm, ASV of 4.0, with white kernel appearance and very occasional chalkiness.

SHORT BOLD PREMIUM GRAIN



PADDY | HUSKED GRAIN | MILLED RICE

WHITE KERNEL APPEARANCE • VERY OCCASIONAL CHALKINESS

AGRONOMIC SPECIFICATIONS

Pedigree	RP 5124-11-4-3-2-1/IR 78877-208-B-1-1
Ecology	Aerobic
Grain type	Short Bold
Duration	114-118 Days
Yield	5.6 t/ha
Plant height	110-115 cm
1000 grain weight	25.11 g
L/B ratio	2.3
Head rice recovery	65.5%
Alkali spreading value	4.0
Amylose content	21.6%
Gel consistency	22 mm

RECOVERY AND COOKING QUALITY

Hulling recovery	78.1%
Milling recovery	69.7%
Head rice recovery (HRR)	65.5%
Amylose content	21.6%
Gel consistency (GC)	44mm
Alkali spreading value (ASV)	4.0

SALIENT FEATURES

DRR Dhan 54 can replace popular varieties like Sahbhagi Dhan, MTU1010 and IR64.

RECOMMENDED STATES

Telangana, Haryana, Odisha, Bihar, Jharkhand and Gujarat.

Notification No:
S.O. 500(E) | 09/01/2021

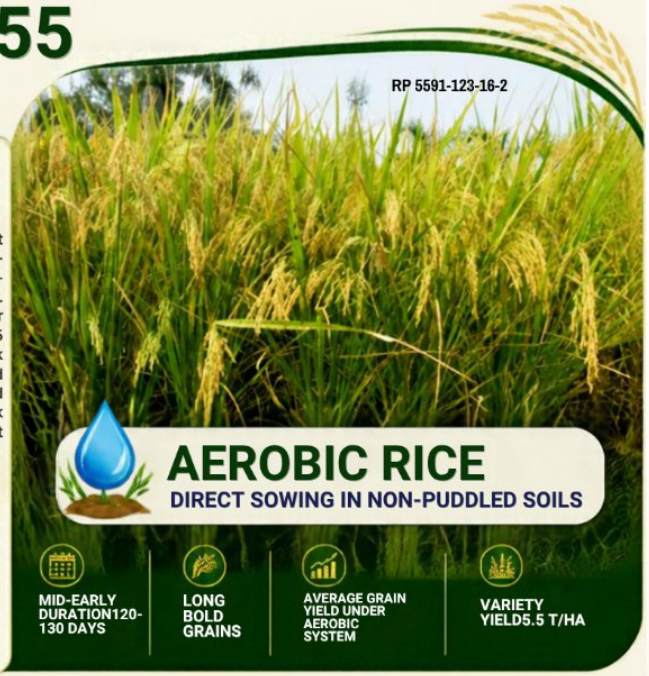
Protection of Plant Varieties and Farmers' Rights Authority Number:
2022/0013

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DRR Dhan 55

IET-26194



Variety type:
A high yielding early aerobic rice variety

Description:
It is an aerobic variety ideal for direct sowing in non-puddled soils. It is a mid-early duration variety maturing in 120-130 days possessing long bold grains. The average grain yield is 4.97 t/ha under aerobic system. DRR Dhan 55 consistently out-performed the check varieties in Eastern zone (Zone III) and Central Zone (Zone V). It has long bold grain with moderate resistance to neck blast, gall midge, rice thrips and plant hoppers.

Pedigree: MTU-1010 / IR79915-B-83-4-3

Ecology: Aerobic

Grain type: Long Bold

Duration: 120-130 Days

Yield: 5.5 t/ha

AEROBIC RICE
DIRECT SOWING IN NON-PUDDLED SOILS

- MID-EARLY DURATION120-130 DAYS
- LONG BOLD GRAINS
- AVERAGE GRAIN YIELD UNDER AEROBIC SYSTEM
- VARIETY YIELD5.5 T/HA

PLANT, PANICLE AND GRAIN



Photographs of Plants, panicles, grain, brown rice and polished rice of the proposed variety DRR Dhan 55 (IET 26194)

HUSKED RICE



MILLED RICE



AGRONOMIC SPECIFICATIONS

- 1000 grain weight: 25.0 g
- Duration: 120-130 Days
- Yield: 5.5 t/ha
- Ecology: Aerobic
- Grain type: Long Bold
- Pedigree: MTU-1010 / IR79915-B-83-4-3
- Notification No: S.O. 500 (E) | 29/01/2021
- Protection of Plant Varieties and Farmers' Rights Authority Number: 2022/0014
- Plant height: 100-110 cm

DISEASE & PEST RESISTANCE

Moderately resistant to leaf blast, neck blast, gall midge, rice thrips and plant hoppers.

SALIENT FEATURES

IET 26194 exhibited moderately resistant to leaf blast, neck blast, gall midge, rice thrips and plant hoppers.

GRAIN AND MILLING QUALITY

- Kernel length: 6.22 mm
- Kernel breadth: 2.22 mm
- L/B ratio: 2.80
- Hulling: 78.07%
- Milling: 68.90%
- Head rice recovery: 55.53%
- Alkali spreading value: 7.0
- Amylose content: 22.58%
- Gel consistency: 22 mm

RECOMMENDED STATES

Bihar and Chhattisgarh.

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DRR Dhan 57

IET-26171

A high yielding early aerobic rice variety

DRR Dhan 57 is a high yielding early variety suitable for aerobic conditions of Jharkhand (Zone III) and Chhattisgarh (Zone V). The overall mean grain yield in Zone III and Zone V was **4782 kg/ha**, which is **13%, 17%** and **16 %** higher than National, Zonal and Local checks, respectively indicating good cooking quality.



AEROBIC ECOLOGY

EARLY DURATION 115 - 124 DAYS

OVERALL MEAN GRAIN YIELD 4782 KG/HA

YIELD ADVANTAGE OVER CHECKS
13% 17% 16%
NATIONAL ZONAL LOCAL

VARIETY IDENTITY

Pedigree	BPT 5204/Azucena
Ecology	Aerobic
Grain type	Short Bold
Duration	115 - 124 Days
Yield	4.5 - 5.5 t/ha
Notification No	S.O. 8 (E) | 24/12/2021
Protection of Plant Varieties and Farmers' Rights Authority Number	2022/0024
Plant height	102-110 cm
1000 grain weight	23.0 g


Semi-tall plant habit


Healthy panicles

SALIENT FEATURES

It is a semi tall, high yielding, short bold grained variety with moderate resistance to major insect pests and diseases such as leaf blast, neck blast. Resistance to gall midge, rice thrips and moderate resistance to plant hoppers and Whorl Maggot.

GRAIN TYPE: SHORT BOLD


PADDY GRAIN | HUSKED GRAIN | MILLED RICE

GRAIN AND COOKING QUALITY

Head Rice Recovery:	60%
Alkali Spreading Value:	4.0
Amylose Content:	23.4%
Gel Consistency:	53mm



RECOMMENDED STATES
Jharkhand and Chhattisgarh.



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DIRECT SEEDED
RICE VARIETIES

DRR Dhan 70

IET 29415

High Yielding Rice Variety with Good Grain Quality and Suitable to Direct Seeded Aerobic Cultivation





DIRECT SEEDED AEROBIC CULTIVATION

SUITABLE UNDER LOW WATER AVAILABILITY

DRR Dhan 70 is a high yielding rice variety with good grain quality with tolerance to major diseases and insect pest and suitable for direct seeded aerobic cultivation. This variety is also suitable to grow under low water availability conditions.

4.3 t/ha

DURATION 113 - 120 DAYS

AEROBIC ECOLOGY

LONG BOLD GRAIN TYPE

Pedigree:	MTU 1010 / WGL 505	Yield:	4.3 t/ha
Ecology:	Aerobic	Plant Height:	102-110 cm
Grain type:	Long Bold	Notification No:	1560 (E) | 26/03/2024
Duration:	113 - 120 days		



GRAIN COMPARISON



HUSKED GRAIN



POLISHED RICE

MILLING AND GRAIN QUALITY

Hulling:	78.85%
Milling:	70.40%
KL:	6.14 mm
KB:	2.20 mm
Plant Height:	102-110 cm
1000 Grain Weight:	23
L/B ratio:	2.80
Head Rice Recovery:	64.80%
Amylose Content:	21.26
Alkai Spreading Value:	3.0
Gel Consistency:	38mm

SALIENT FEATURES

Suitable for water limited aerobic conditions.

RECOMMENDED STATES

Odisha and Bihar.

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DRR Dhan 71

IET 29421

High Yielding Rice Variety with Good Grain Quality and Suitable to Direct Seeded Aerobic Cultivation

DRR Dhan 71 is high yielding but 100% for better grain quality and tolerance to major diseases and insect pests for direct seeded aerobic cultivation. This variety is also suitable to grow under low water availability conditions.





DIRECT SEEDED AEROBIC CULTIVATION
Perfect for modern dry directed aerobic systems

LOW WATER AVAILABILITY
Thrives under low water conditions

TOLERANT TO MAJOR DISEASES & INSECT PESTS
Stronger protection for stable yields

BETTER GRAIN QUALITY
Medium slender grains with pleasing cooking quality

HIGH YIELD 4.4 T/HA

DURATION 113 - 120 DAYS

Pedigree	CR 691-1 / CR Dhan 202
Ecology	Aerobic
Grain type	Medium Slender
Notification No	S.O. 1560 (E) | 26/03/2024

MILLING AND GRAIN QUALITY

Plant Height:	102-110
1000 Grain Weight:	20
KL:	5.72 mm
KB:	2.06 mm
L/B Ratio:	2.78
Hulling:	79.85%
Milling:	71.20%
Head Rice Recovery:	64.60%
Amylose Content:	24.75
Aikali Spreading Value:	7.0
Gel Consistency:	24mm

SALIENT FEATURES

Suitable for water limited aerobic conditions.

RECOMMENDED STATES

Odisha, Gujarat and Tamil Nadu.



GRAIN COMPARISON



HUSKED GRAIN



POLISHED RICE

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DRR Dhan 77 (IET 28636)

High Yielding Aerobic Direct Seeded Variety

DRR Dhan 77 is long slender variety with high yielding under aerobic direct seeded conditions with drought tolerance. It is semi-draft, non lodging with acceptable quality traits.





- Long Slender Grain Type
- High Yield (42 q/ha)
- Duration (115–120 days)
- Aerobic Direct Seeded
- Drought Tolerant
- Good Quality (acceptable quality traits)

Ecology	:	Aerobic direct seeded conditions
Grain Type	:	Long slender
Duration	:	115-120 days
Yield	:	42 q/ha
Salient features	:	Resistance to Leaf blast and Neck blast, Moderate resistance to Brown Spot and False smut. Moderate tolerance to Gall midge.

Recommended States : Zone III – Bihar & Jharkhand, Zone VI – Gujarat, Zone VII – Tamil Nadu

Why Choose DRR Dhan 77?

High Yield Potential | Drought Tolerance | Good Quality | Semi-Draft (Non Lodging) | Acceptable Quality Traits

Better Yield Better Future

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भारतीयं IIRR

DRR Dhan 92

IET 31775 | Genomic-Assisted DDSR Variety with Key DSR Traits and Dual Adaptation to DDSR and TPR Systems Rice Variety



DRR Dhan 92 is an aerobic high yielding variety with multiple resistance against Blast, BLB, Gallmidge, BPH, and Drought Tolerance, suitable for cultivation in aerobic ecologies. It has good head rice recovery (61.55%) and good cooking quality with intermediate alkali spreading value (5.5), amylose content (24.21%) and gel consistency (47 mm).

AEROBIC ECOLOGY

Dual Adaptation to DDSR and TPR Systems

KEY PERFORMANCE

Yield: 6.539 t/ha	Duration: 125-130 days	HRR: 61.55%

SALIENT FEATURES

Moderate resistance to leaf blast, Brown spot, Bacterial blight, Sheath rot & field tolerance to plant hoppers.

Rice Variety:	DRR Dhan 92 (IET 31775)
Variety Type:	Genomic-Assisted DDSR Variety with Key DSR Traits and Dual Adaptation to DDSR and TPR Systems Rice Variety
Pedigree:	MTU 1010*2 / IR 144560
Ecology:	Aerobic
Grain Type:	Long Slender
Recommended States:	Assam and Tripura.

GRAIN QUALITY

HRR:	61.55%
ASV:	5.5
AC:	24.21%
GC:	47 mm

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HEAT TOLERANT
RICE VARIETIES

DRR Dhan 47

IET 23356 | Heat Tolerant Rice Variety



An early maturing variety suited for both normal and late planting. It is developed from F3 breeding material derived from the cross IR78877-208-B-1-1/IR78878-53-2-2-2 shared by IRRI, Philippines. It exhibits heat tolerance at elevated temperatures of 5-8°C during the reproductive stage





HEAT TOLERANCE
It exhibits heat tolerance at elevated temperatures of **5-8°C during the reproductive stage**

DISEASE AND PEST RESISTANCE
Resistant to blast

KEY PERFORMANCE

Grain Yield	Plant height (cm)	Duration (days)
5.5 t/ha	115-120 cm	110-115 days (seed to seed)

VARIETY INFORMATION

Rice Variety:	DRR Dhan 47 (IET 23356)
Variety Type:	Heat Tolerant Rice Variety
Released for States:	Telangana, Andhra Pradesh, Karnataka, Kerala, Puducherry
Grain Type:	Long Bold
Grain Yield:	5.5 t/ha
Disease and Pest Resistance:	Resistant to blast
Ecology:	Irrigated
Season:	Kharif
Plant height (cm):	115-120 cm
Duration (days):	110-115 days (seed to seed)

IDENTIFICATION & RELEASE DETAILS

Parentage:	IR78877-208-B-1-1/ IR78878-53-2-2-2
IET No:	23356
Year:	2018
Notification No:	S.O. 1379 (E) | 27/03/2018
Protection of Plant Varieties and Farmers' Rights Authority Number:	2022/0036

GRAIN QUALITY & PHYSICAL CHARACTERISTICS

1000 grain weight (g):	24.4 g
L/B ratio:	2.67
Head rice recovery (%):	66%
Alkali spreading value:	4
Amylose content (%):	19.7%
Gel Consistency (mm):	55 mm

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DRR Dhan 52

IET-23354

A high yielding drought and heat tolerant variety with lodging and blast resistance



DROUGHT & HEAT TOLERANT
Reproductive stage heat tolerance with high yield under elevated temperature up to 5-8°C.

DIRECT SEEDING SUITABILITY
Suitable for direct seeding.

LODGING RESISTANCE
Strong and sturdy plant type for better field standing.

BLAST RESISTANCE
Built-in resistance to blast disease.

HIGH YIELD
5.9 t/ha

DESCRIPTION

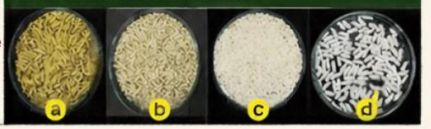
DRR Dhan 52 (IET-23354) is a drought and heat tolerant variety with lodging and blast resistance suitable for direct seeding. It has reproductive stage heat tolerance with high yield under elevated temperature up to 5-8°C. It recorded significant increase in chlorophyll and carotenoid content during heat stress at vegetative as well as reproductive stages.

KEY HIGHLIGHTS

It has long bold grain possessing good cooking qualities like 66% of Head rice recovery, 6.23 mm Kernel length, 2.34 mm Kernel breadth. A Alkali spreading value, 19.7% Amylose content, 55 mm Gel consistency. Cultivated in areas with irrigated/transplanted and low fertile areas.

a. whole grain,
b. brown/hulled rice
c. polished rice
and d. cooked rice

GRAIN TYPE: LONG BOLD





AGRONOMIC SPECIFICATIONS

Pedigree	IR 78877-208-B-1-1/IR78878-53-2-2-2
Ecology	Irrigated
Grain type	Long Bold
Duration	110-115 Days
Yield	5.9 t/ha
Plant height	110-120 cm
1000-grain weight	23.5 g
L/B ratio	2.67

GRAIN AND COOKING QUALITY

Head rice recovery:	66%
Kernel length:	6.23 mm
Kernel breadth:	2.34 mm
Alkali spreading value:	4
Amylose content:	19.70%
Gel consistency:	55 mm

SALIENT FEATURES

DRR Dhan 52 can replace popular varieties like Sahbhagi Dhan, MTU1010 and IR64.

RECOMMENDED STATES

Haryana, Gujarat, Bihar and Odisha.



Notification No:
S.O. 1498 (E) | 01/04/2019
PPV and FRA Number:
2022/0039

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SALINITY TOLERANT
RICE VARIETIES

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

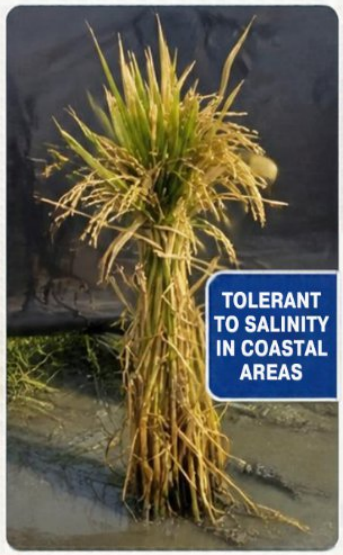
Pedigree:	Improved Samba Mahsuri*3/FL478
Ecology:	Irrigated
Grain type:	Medium Slender
Duration:	130-135 Days
Yield:	5.5 t/ha
Notificatio No:	S.O. 8 (E) | 24/12/2021
PPV & FRA No:	2022/0016
Plant height:	95 cm
1000 grain weight:	19.5 g

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.

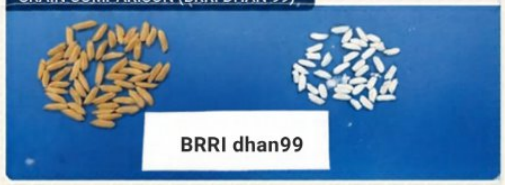
DEVELOPMENT AND TESTING

- 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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BIOFORTIFIED
RICE VARIETIES

DRR Dhan 45

IET 23832 | First biofortified high zinc variety



It is a biofortified zinc-rich variety is the first of its kind combining high zinc content (22.3 ppm in polished rice) and high yield (5.2 t/ha). It is a mid early duration variety possessing long slender grains



Grain Yield:	Plant height (cm):	Duration (days):
5.2 t/ha	105 cm	130 days (seed to seed)

BIOFORTIFIED HIGH ZINC

High zinc content 22.3 pp min polished rice

High yield 5.2 t/ha

DISEASE AND PEST RESISTANCE

Moderately resistant to leaf blast

Ecology:	Irrigated
Season:	Kharif
Released for States:	Tamil Nadu, Karnataka and Andhra Pradesh
Variety Type:	First biofortified high zinc variety
Grain Type:	Long Slender

1000 grain weight (g):	20 g	Alkali spreading value:	3.5
L/B ratio:	3.47	Amylose content (%):	21.1%
Head rice recovery (%):	55.6%	Gel Consistency (mm):	54.0

IDENTIFICATION AND RIGHTS

Rice Variety: DRR Dhan 45 (IET 23832)
Parentage: IR 73707-45-3-2-3 / IR 77080-B-34-3
IET No: 23832
Year: 2016

Notification No: 1438 (E) | 18/04/2016

Protection of Plant Varieties and Farmers' Rights Authority Number: 2019/92

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DRR Dhan 48

IET 24555 | Low GI, Zinc Rich, BLB Resistant and Saline Tolerant Fine Grain Rice Variety



It is a bio-fortified variety with high grain zinc (22 ppm in polished rice) coupled with high yield derived from RPBio226*1/CSR27 cross. Zn content is nearly 5 ppm higher than the check varieties IR 64 and BPT 5204. It is a mid-duration variety possessing medium slender grains. Additionally it exhibits resistance to BLB possessing *Xa21, xa5* and *xa13* genes

ZINC & BIOFORTIFICATION

22 ppm in polished rice nearly 5 ppm higher than the check varieties IR 64 and BPT 5204

BLB RESISTANCE

Additionally it exhibits resistance to BLB possessing Xa 21 xa5 and xa 13 genes

DISEASE AND PEST RESISTANCE

Moderately resistant to RTD, sheath rot, neck blast and brown spot

KEY PERFORMANCE

Grain Yield:	Plant height (cm):	Duration (days):
5.2 t/ha	92-95 cm	135-140 days (seed to seed)

Rice Variety	:	DRR Dhan 48 (IET 24555)
Variety Type	:	Low GI, Zinc Rich, BLB Resistant and Saline Tolerant Fine Grain Rice Variety
Released for States	:	Andhra Pradesh, Telangana, Tamil Nadu, Karnataka and Kerala
Grain Type	:	Medium Slender
Grain Yield	:	5.2 t/ha
Disease and Pest Resistance	:	Moderately resistant to RTD, sheath rot, neck blast and brown spot
Parentage	:	Improved samba Mahsuri*1/CSR27
Ecology	:	Irrigated
Season	:	Kharif

IDENTIFICATION

IET No	24555
Year	2018
Notification No:	S.O. 1379 (E) | 27/03/2018
Protection of Plant Varieties and Farmers' Rights Authority Number	2022/0021

GRAIN QUALITY & TECHNICAL SPECIFICATION

1000 Grain Weight:	L/B ratio	Head rice recovery (%)	Alkali spreading value	Amylose content (%)	Gel Consistency (mm)
15.4 g	2.6	60.9%	7	24%	28.5 mm

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DRR Dhan 49

IET 24557 | Biofortified Zinc Rich Variety



DRR Dhan 49 is a zinc enriched (25.2 ppm in polished rice) high yielding variety with medium duration and medium slender grains. It's Zn content is nearly 8 ppm higher than the check **varieties IR 64 and BPT 5204.**

Rice Variety:	DRR Dhan 49 (IET 24557)
Variety Type:	Biofortified Zinc Rich Variety
Released for States:	Gujarat, Maharashtra and Kerala
Grain Type:	Medium slender
Grain Yield:	4.8 t/ha
Disease and Pest Resistance:	Moderately resistant to BLB, RTD, sheath rot, neck blast and brown spot
Parentage:	RPBio 226*1/CSR27
IET No:	24557
Year:	2018
Notification No:	S.O.1379 (E)	27.03.2018
Protection of Plant Varieties and Farmers' Rights Authority Number:	2022/0019
Ecology:	Irrigated
Season:	Kharif


PADDY (HUSK)


POLISHED RICE

ZINC BIOFORTIFICATION
25.2 ppm in polished rice
nearly 8 ppm higher than the check varieties IR 64 and BPT 5204

BLB RESISTANCE
It shows resistance to BLB (Xa21+xa13+xa5)

DISEASE AND PEST RESISTANCE
Moderately resistant to BLB, RTD, sheath rot, neck blast and brown spot

KEY PERFORMANCE

Grain Yield: **4.8 t/ha**

Plant height (cm): **95-100 cm**

Duration (days): **130-135 days (seed to seed)**

GRAIN QUALITY & MILLING CHARACTERISTICS

1000 grain weight (g)	L/B ratio	Head rice recovery (%)	Alkali spreading value	Amylose content (%)	Gel Consistency (mm)
19.2 g	2.6	61.1%	7	23.3%	23 mm

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DRR Dhan 63

IET-26383

Zinc rich rice variety



DESCRIPTION

DRR Dhan 63 is a high yielding **biofortified** rice variety possessing high Zn (24.2 ppm) in polished grains as against 16-17 ppm existing in popular rice varieties. Although rice is a major food crop, it is a poor source of essential micronutrients such as **Zinc** leading to **hidden hunger.** In this context DRR Dhan 63 is found to be promising with enhanced Zn content and developed through pedigree method of **breeding.**It showed excellent grain and cooking quality.

ZINC COMPARISON



HIDDEN HUNGER

Rice is a major food crop, but a poor source of Zinc, leading to hidden hunger.

DRR Dhan 63 helps fight hidden hunger through **biofortification.**

VARIETY IDENTITY

Pedigree:	IET 17280 / Pusa Basmati 1
Ecology:	Biofortification
Grain type:	Short Bold
Duration:	127-130 days
Yield:	5.0 t/ha
Notification No:	S.O. 8 (E)	24/12/2021
Plant height:	103-107 cm
1000 grain weight:	15.6 g

5.0 t/ha
High Yield Potential

GRAIN QUALITY

HUSKED (BROWN) GRAIN



POLISHED (WHITE) RICE



SAIN & COOKING QUALITY

Kernel length:	4.35 mm
Kernel width:	2.09 mm
L/B ratio:	2.08
Milling recovery:	70%
Head Rice Recovery:	59.3 %
Amylose Content:	24.5%
ASV:	4
GC:	26 mm

SALIENT FEATURES

It is a nutritionally rich variety combining **high yield, high Zn** content and good cooking quality features can easily be adopted by the farmers.

RECOMMENDED STATES

Uttar Pradesh, Odisha and Kerala.

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DRR Dhan 67

BRRI Dhan 84

High Yielding, High Zinc, Red Pericarp, Long Slender Grain Type Rice Variety



HIGH ZINC
&
RED PERICARP
LONG SLENDER GRAIN TYPE

- ZINC 27.6 mg/kg more than 8.2 mg/kg from other varieties
- 3.0 mg/kg more than another zinc enriched variety BRRI Dhan 74
- The incidence of diseases and pests in BRRI Dhan 84 is relatively low.

YIELD CAPABILITY
6.0-6.5 t/ha

IN FAVORABLE CONDITIONS, UP TO **8.0 tons/ha**

Description: DRR Dhan 67 is high yielding, high zinc red pericarp, Long slender grain type. It has strong culm and this doesn't lodge. Because of the erect and long flag leaf, plants look appealing. This variety is capable to produce yield of **6.0- 6.5 tons/ha**. Whereas, in favorable conditions, it can produce up to **8.0 tons/ha**.

Key Highlights: Its zinc **27.6 mg/kg** that's more than **8.2 mg/kg** from other varieties and **3.0 mg/kg** more than another zinc enriched variety BRRI Dhan 74. The incidence of diseases and pests in BRRI Dhan 84 is relatively low.



VARIETY IDENTITY

Pedigree:	BRRIdhan29/IR68144/ IBRRi dhan28//BR11
Ecology:	Boro
Grain type:	Long Slender
Duration:	140 - 145 days
Yield:	5.6 t/ha
Notification No:	S.O. 4065 (E) | 31/08/2022

GRAIN AND QUALITY

Plant Height(cm): 96 cm
1000 Grain Weight(g): 22.8 g
L/B Ratio: 3.3
HRR: 60%
AC: 23.70 %
GC: Optimum
ASV: Intermediate

HUSKED GRAIN



MILLED RED PERICARP RICE



SALIENT FEATURES

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

RECOMMENDED STATES

Assam, Tripura and West Bengal.

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DRR Dhan 69

BRRI Dhan 100

High Yielding, High Zinc, Long Slender Grain Rice Variety

HIGH ZINC FOR BETTER NUTRITION

SUITABLE FOR BORO SEASON



HIGH YIELD
6.5 t/ha

ABOUT THE VARIETY

DRR Dhan- 69 is high yielding, high zinc with long slender grain rice variety suitable for cultivation in boro season. This variety was evaluated in regional centers of BRRI for 5 years and evaluated through on-farm trials in 2019. The incidence of diseases and pests in BRRI Dhan 100 is relatively low.

Pedigree:	BR7166-5B-5/BG305/BRRI dhan29
Ecology:	Boro
Grain type:	Long Slender
Duration:	148 days
Yield:	6.5 t/ha
Notification No:	S.O. 4065 (E) | 31/08/2022

GRAIN AND QUALITY

Plant Height(cm):	101 cm
1000 Grain Weight(g):	16.7 g
L/B Ratio:	2.75
HRR:	64%
AC:	26.8%



HUSKED GRAIN



POLISHED RICE

EVALUATION AND FIELD SUITABILITY

- evaluated in regional centers of BRRI for 5 years
- evaluated through on-farm trials in 2019
- Boro Irrigated under irrigated conditions, Clay loam to Loam soils.

RECOMMENDED STATES

Assam, Tripura and West Bengal.

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DRR Dhan 81

IET 31929 | Low Glycaemic Index (GI) and High Zinc Rice Variety



Low Glycaemic Index:
GI 55.0

Moderately High Zinc:
22.3ppm

DRR Dhan 81, a medium-duration rice variety with a low glycemic index (GI 55.0). The variety possesses moderately high zinc content (22.3 ppm) along with desirable grain and cooking quality. It exhibits tolerance to salinity and bacterial leaf blight (BLB).

AT-A-GLANCE

- **Ecology:** Irrigated Saline
- **Duration:** 130-135 Days
- **Grain Type:** Short Bold
- **Grain Yield:** 5.2-5.5 t/ha

GRAIN AND COOKING QUALITY



SALINITY AND DISEASE/PEST RESISTANCE

Salinity tolerant; moderately resistant to Stem Borer; moderately tolerant to Bacterial Leaf Blight (BLB).

RELEASED FOR STATES

Bihar, Uttar Pradesh, Assam, Gujarat, Maharashtra, Kerala & Karnataka.

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DRR Dhan 93

IET 31947 | A Zinc rich fine grain variety with moderate resistance to diseases and moderate tolerance to pest Rice variety.

DRR Dhan 93 is biofortified zinc (23.41 ppm) rich variety and possesses moderate resistance to various diseases and moderate tolerance to plant hopper with good cooking quality grain.

ZINC BIOFORTIFICATION
23.41ppm



YIELD	DURATION	HRR
6.0 t/ha	120-126 days	59.53%

Rice Variety:	DRR Dhan 93 (IET 31947)
Variety Type:	A Zinc rich fine grain variety with moderate resistance to diseases and moderate tolerance to pest Rice variety.
Pedigree:	MTU 1010 / Chittimuthyalu
Ecology:	Biofortification
Grain Type:	Medium Slender
Duration:	120-126 days
Yield:	6.0 t/ha
HRR:	59.53%
L/B Ratio:	3.14
ASV:	7.0
AC:	21.94%
GC:	23.67 mm

SALIENT FEATURES

Moderate resistance to Brown Spot, Bacterial Blight, Neck Blast, Sheath Blight, Sheath Rot, and Leaf Blast Moderate Tolerance to Plant hoppers.

VARIETY HIGHLIGHTS

- A Zinc rich fine grain variety
- Biofortification
- Medium Slender grain
- Good cooking quality grain

RECOMMENDED STATES

Gujarat and Maharashtra.

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DRR Dhan 94

IET 31925 | Zinc Rich fine Grain Rice Variety with Zinc content in polished Rice

DRR Dhan 92 is a Bio-fortified Zinc Rich fine grain variety with Zinc content (24.46 ppm) in the rice grain after polishing. It has Moderate Resistance to Neck Blast, Sheath Blight, Leaf Blast, Brown Spot.



YIELD:	DURATION:	HRR:
4.935 t/ha	125-130 days	60.77%

Rice Variety:	DRR Dhan 94 (IET 31925)
Variety Type:	Zinc Rich fine Grain Rice Variety with Zinc content in polished Rice
Pedigree:	RNR 15048 *1/Karuppunel
Ecology:	Biofortification
Grain Type:	Medium Slender
Duration:	125-130 days
Yield:	4.935 t/ha



SALIENT FEATURES

Moderate resistance to leaf blast, Brown spot, Bacterial blight, Sheath blight, neck blast.

RECOMMENDED STATES

Assam and Tripura

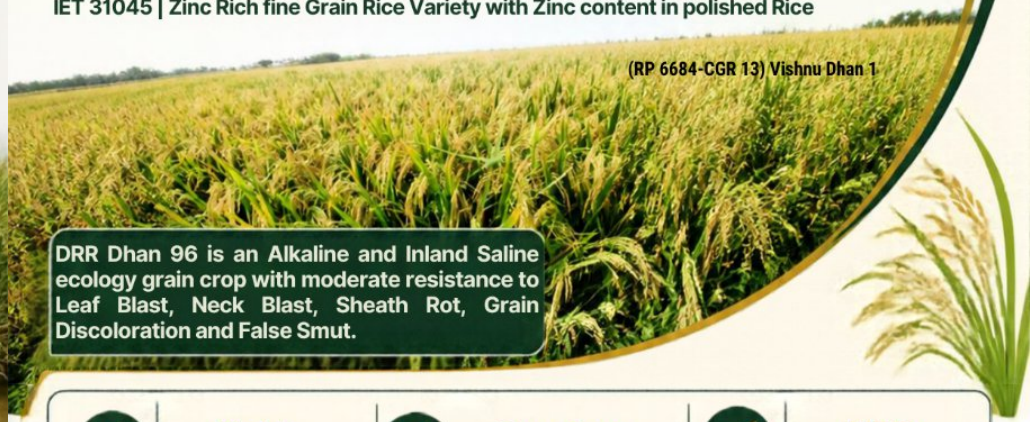
GRAIN AND COOKING QUALITY

HRR:	L/B Ratio:	ASV:	AC:	GC: 24
60.77%	2.75	4.0	27.61%	mm

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DRR Dhan 96

IET 31045 | Zinc Rich fine Grain Rice Variety with Zinc content in polished Rice



Yield:	Duration:	HRR:
4.0 t/ha	120-135 days	61.10%

SALINE-ADAPTATION PERFORMANCE

Ecology: Alkaline and Inland Saline

Gain Over Salinity Check CSR 23: 121%

Gain Over Salinity Check CSR 10: 132%

DISEASE RESISTANCE

moderate resistance to Leaf Blast, Neck Blast, Sheath Rot, Grain Discoloration and False Smut.

SALIENT FEATURES

Moderate resistance to Leaf Blast, Neck Blast, Brown Spot.

Variety Type: Zinc Rich fine Grain Rice Variety with Zinc content in polished Rice

Grain Type: Short Slender

Rice Variety: DRR Dhan 96 (IET 31045)
Pedigree: Samba Mahsuri*2 / *Oryza rufipogon-3-TRP-3*
Ecology: Alkaline and Inland Saline
Duration: 120-135 days
Yield: 4.0 t/ha
HRR: 61.10%
ASV: 3.0
AC: 21.50%
GC: 51 mm
Recommended States: Karnataka, Telangana and Andhra Pradesh.

GRAIN APPEARANCE

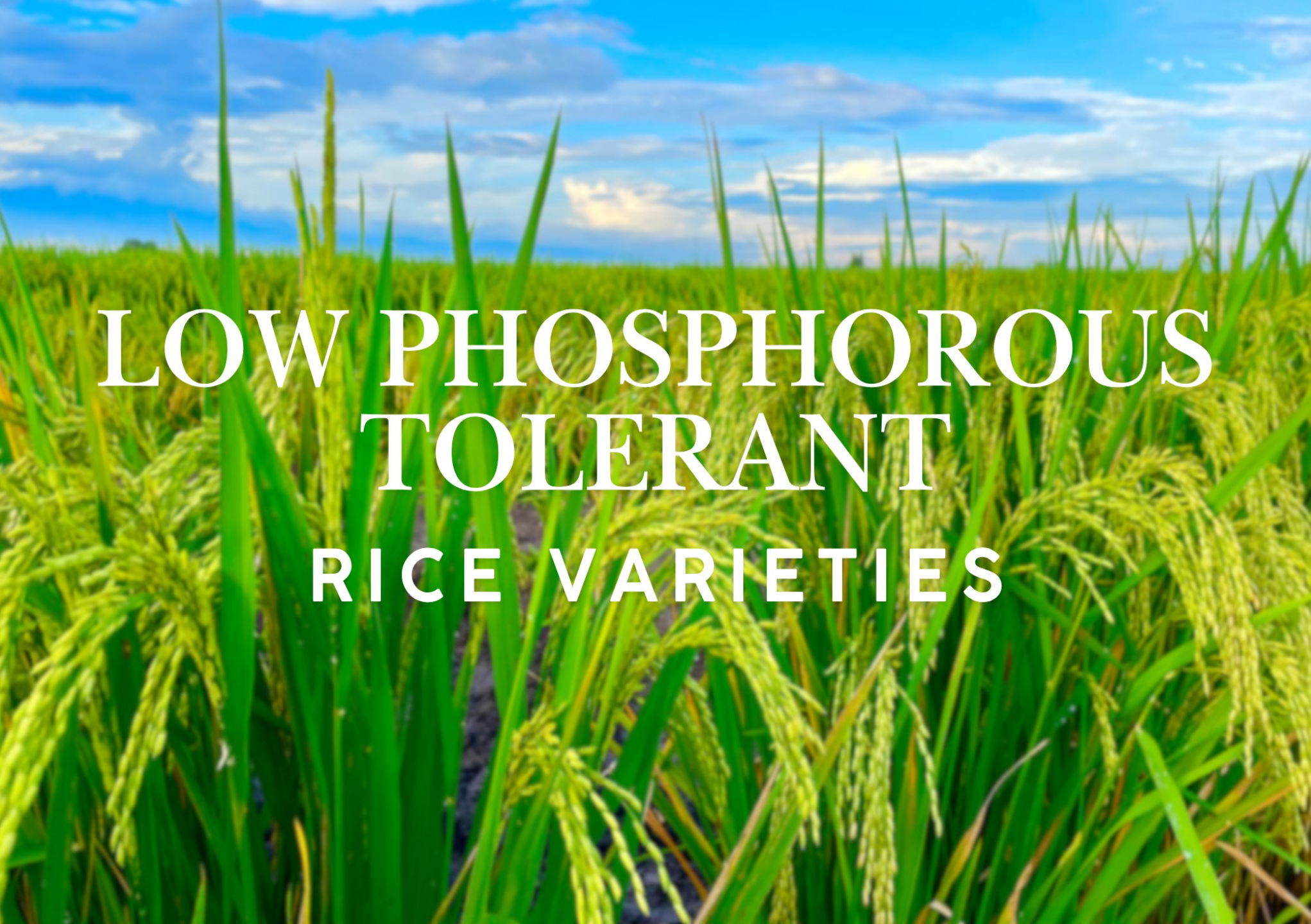

IET-31045


IET-31045

COOKING QUALITY & GRAIN CHARACTERISTICS

HRR	L/B Ratio	ASV	AC	GC
61.10%	3.135	3.0	21.50%	51 mm

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LOW PHOSPHOROUS
TOLERANT
RICE VARIETIES



DRR Dhan 60

IET 28061

Low Soil Phosphorous Tolerant Fine Grain Variety

DRR Dhan 60 is the **first low soil phosphorous tolerant variety**. It possesses low soil phosphorous **tolerance QTL, Pup1** along with **three major bacterial blight resistance genes Xa21, xa13 and xa5** and exhibited **good tolerance to low soil phosphorous** and **high level of resistance to bacterial blight**.

AGRONOMIC SPECIFICATIONS

Pedigree:	RP BIO 226*2/Swarna
Ecology:	Irrigated Early
Grain type:	Medium Slender
Duration:	125-130 days
Yield:	**5.0 t/ha under 40 kg P2O5**
Notification No:	S.O. 4065 (E) | 31/08/2022
PPV & FRA No:	2022/0023
Plant height:	88 cm
1000 grain weight:	19.45 g

LOW SOIL PHOSPHOROUS TOLERANT

BACTERIAL BLIGHT RESISTANT

GRAIN & COOKING QUALIT

HRR:	64.5%
L/B ratio:	2.52
ASV:	7.0
AC:	23.23%
GC:	22 mm



HUSKED GRAIN | MILLED RICE

RECOMMENDED STATES

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

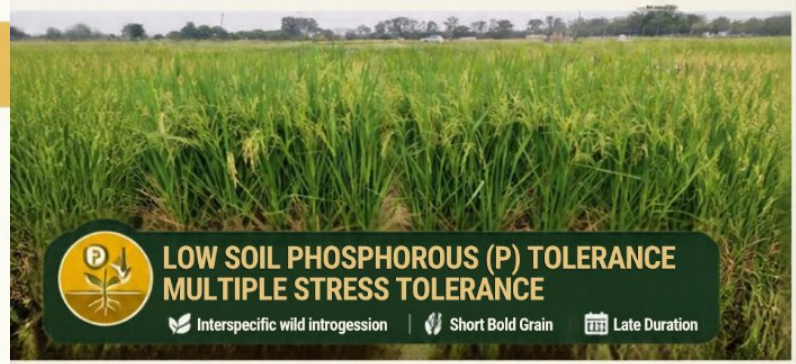
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DRR Dhan 65

IET-27641

A high-yielding, low soil phosphorous (P) tolerant, late duration rice variety with multiple stress tolerance



LOW SOIL PHOSPHOROUS (P) TOLERANCE
MULTIPLE STRESS TOLERANCE

Interspecific wild introgression | Short Bold Grain | Late Duration



DESCRIPTION

DRR Dhan 65 is an interspecific wild introgression line with short bold grains which is high yielding under both normal and low soil phosphorous conditions. It gives an average yield of 6.5 t/ ha (under normal conditions; 60 kg/ha of P, i.e. recommended dose) and 4.7 t/ ha (under low Phosphorus; 40 kg/ha of P).

YIELD COMPARISON

NORMAL CONDITIONS 60 kg/ha of P (Recommended dose)	LOW PHOSPHORUS 40 kg/ha of P
6.5 t/ ha	4.7 t/ ha

YIELD (Field)

6.0 t/ha (Normal)

4.7 t/ha (Low P)

GRAIN TYPE: SHORT BOLD



DRR Dhan 65 | Swarna (Check)

AGRONOMIC SPECIFICATIONS

Pedigree	KMR 3 / *O rufipogon*
Ecology	Low phosphorous
Grain type	Short Bold
Duration	130-135 Days
Yield	6.0 t/ha (Normal) and 4.7 t/ha (Low P)
Notification No	4065 (E) | 31/08/2022
Plant height	123 cm
1000 grain weight	23.8 g

GRAIN & COOKING QUALITY

L/B ratio:	2.16
HRR:	97.5%
ASV:	5
AC:	25.88%
GC:	45 mm

SALIENT FEATURES

It recorded average grain yield advantage of **(in terms of weighted average) over the Positive check Swarna (late duration) under** 100% and 50% application of phosphorous.



RECOMMENDED STATES



- Telangana
- Andhra Pradesh
- Karnataka
- Chhattisgarh
- Jharkhand
- Maharashtra

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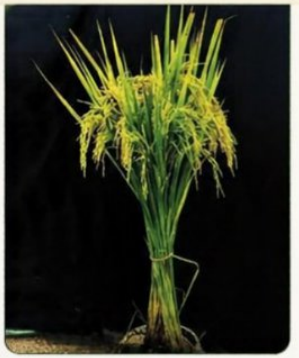
DRR Dhan 66

IET-28066 A high-yielding, low soil phosphorous (P) tolerant, long slender grain rice variety

MAS DERIVED
LOW SOIL PHOSPHOROUS (P) TOLERANCE

Major QTL/GENE
Pup1
(Located on chr.12)



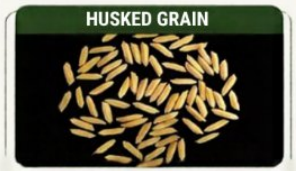


DESCRIPTION

DRR Dhan 66 is a MAS derived low soil phosphorous (P) tolerant rice variety developed in the genetic background of a very popular rice variety, MTU 1010 (Cotton Dora Sannalu). It is possessing a major QTL/gene associated with low soil phosphorous tolerance, Pup1 (located on chr.12) and gives a maximum yield of 4,3 t ha^{1}fat 60 kg/ha Phosphorous, 4,2 t ha^{1} at 40 kg/ha Phosphorous and 3,9 t ha^{1}at 20 kg/ha Phosphorous.

YIELD PERFORMANCE ACROSS PHOSPHOROUS LEVELS

P-LEVEL 40 KG/HA PHOSPHOROUS	P-LEVEL 40 KG/HA PHOSPHOROUS	P-LEVEL 20 KG/HA PHOSPHOROUS
+ 4.3	+ 4.2	+ 3.9





KEY HIGHLIGHTS

- It is comparable to its current parent **MTU 1010** in physico-chemical characteristics and quality traits.
- It possesses **long slender grain type** with High HRR and has good cooking Quality.

VARIETY IDENTITY

Pedigree	MTU 1010 *2/ Swarna
Ecology	Low Phosphorous
Grain type	Long Slender
Duration	120 - 125 days
Yield	5.0 t/ha
Notification No	S.O. 4065 (E) | 31/08/2022
Plant Height(cm)	83-85 cm
1000 Grain Weight(g)	24.3 g

GRAIN AND QUALITY

L/B Ratio:	2.55
HRR:	7.8%
AC:	23.70%
GC:	64 mm
ASV:	4.0

CULTIVATION GUIDANCE

- Irrigated low-land
- soil pH between 5 to 8
- 15 kg seed is sufficient for per acre of transplantation and gives a maximum yield of 4,3 t ha^{1}
- Spacing (during transplanted): row to row 20 cm and plant to plant 15 cm.

RECOMMENDED STATES

Telangana and Andhra Pradesh.

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DRR Dhan 73
(IET 30242)

Rice for Resilient Futures

Low Soil Phosphorous Tolerant Variety

DRR Dhan 73 is low soil phosphorous tolerant variety and an EMS mutant of Samba Mahsuri. It has high yield, early duration under low P soil condition, complete panicle exertion, strong culm, acceptable cooking quality with high HRR i.e., 62.0.



Ecology
Irrigated low phosphorus conditions

Grain Type
Long slender

Duration
120–125 days

Yield
40 q/ha under PO and 60 q/ha under 50% RDF–P50

Quality
HRR: 62.05%; AC: 23.16%; GC: 22 mm

Salient Features
Moderate resistance to neck blast, leaf blast, stem borer and leaf borer.

Recommended States
Odisha (Zone III) & Karnataka and Telangana (Zone VII)

Thriving in Tough Environments

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Better Rice Brighter Tomorrow

DRR Dhan 74 (IET 30252)

Low Soil Phosphorous Tolerant Variety



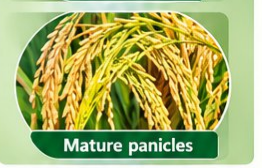
DRR Dhan 74 is a low soil phosphorous tolerant variety RPBio4919 – NSRS derived from an interspecific cross KMR3/ *Oryza rufipogon* (IC22015). It has high yield, medium duration, acceptable cooking quality with high HRR i.e., 67.9.















Ecology	Grain Type	Duration	Yield	Quality	Salient Features
Irrigated Low Soil Phosphorus conditions	Short bold	130–135 days	45.6 q/ha	HRR: 62.05%; AC: 23.16%; GC: 22 mm	Moderate levels of resistance to Leaf blast, Neck blast, Sheath rot, Brown plant hopper and Stem borer

Recommended States | **Jharkhand (Zone III), Karnataka and Telangana (Zone VII)**

High Yield Potential | Tolerant to Low Phosphorus | Medium Duration | Good Cooking Quality | Disease & Pest Tolerant

A Step Towards Sustainable Rice Production

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DRR Dhan 78 (IET 30240)

High Yielding Low Phosphorous Tolerant Variety

DRR Dhan 78 is low soil phosphorous tolerant variety with medium slender grain of cross Swarna / MTU 1001. It has high yield, medium duration under low P soil condition with acceptable quality traits and high HRR i.e., 67.5.





Grain Type
Medium slender

Duration
140-145 days

Yield
58.5 q/ha

Salient Features
Moderate resistance to Leaf blast (LB), Neck blast (NB), Sheath rot and BLB
Moderately resistant to Gall midge & WBPH

Ecology	:	Irrigated low phosphorus conditions
Grain Type	:	Medium slender
Duration	:	140-145 days
Yield	:	58.5 q/ha
Salient features	:	Moderate levels of resistance to Leaf blast (LB), Neck blast (NB), Sheath rot and BLB. Moderately resistant to Gall midge & WBPH

Recommended States : | **Telangana and Karnataka (Zone VII)**

Why Choose DRR Dhan 78?

High Yield Potential | Disease Tolerant | Good Grain Quality | Medium Duration | Suitable for Irrigated Conditions

Better Yield Better Future

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DRR Dhan 87

IET 31110 | Low Soil Phosphorus Tolerant Rice Variety

Designer, High-Yielding, Climate-Resilient Variety with Superior Haplotype Combinations of the Target genes Developed through Sub-Species Hybridization



LOW SOIL PHOSPHORUS TOLERANCE

CLIMATE RESILIENCE

Engineered for productivity under low P soils and variable climates

Overview

DRR Dhan 87 is an NPT & NUE cultivar, derived in the background of Swama with introgression of NPT traits from Tropical japonica germplasm. It is a Stay-green type with broad flag leaf - delayed leaf senescence, prolonged photosynthetic activity and improved source-sink dinamics. It possesses favourable alleles for key stress-responsive traits: Anaerobic germination (AG1, AG3, Blast (Pi54), BPH (BPH32), and Bacterial blight resistance (x44, Posssess superior haplotype (Wx) for grain quality.

STAY-GREEN PERFORMANCE & SOURCE-SINK DYNAMICS

- Broad flag leaf with delayed leaf senescenc
- Prolonged photosynthetic activity
- Improved source-sink dynamics

Key Highlights

- Higher Grain Number 368–422
- Possesses three weeks dormancy – an essential trait to prevent pre-harvest sprouting
- Lodging resistant with strong culm and robust root system

SUPERIOR HAPLOTYPE COMBINATIONS OF TARGET GENES



GT MS: High HRR (71.8%); Intermediate AC: 22.99; soft GC: 49 mm

High photosynthetic efficiency

Tolerance to bacterial blight

Tolerance to sheath blight



AT-A-GLANCE

Ecology:	Intigated medium duration ecology with low soil P tolerance
Grain Type:	Medium Slender with straw colored grains
Duration:	135 days, earlier than Swarna by 10–15 days
Yield:	6.0–6.5 t/ha

QUALITY



- High Head Rice Recovery (71.8%)
- Intermediate amylase content (AC): 22.9%
- Soft gel consistency: 69 mm;
- ASV-4.0

SALIENT FEATURES

Moderately resistant to leaf blast, neck blast, BLB, Sheath blight and field tolerance to Plant hoppers.

PEDIGREE

Swarna*1/IRGC 4105

RECOMMENDED STATES

Odisha, Bihar, Jharkhand, Telangana, Andhra Pradesh, Karnataka

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DRR Dhan 88

IET 28070 | Low Phosphorous Climatic Resilient Rice Variety



LOW PHOSPHOROUS TOLERANCE & NUTRIENT USE EFFICIENCY

- Thrives with 50% Phosphorous application in irrigated conditions
- Enhanced nutrient use efficiency for sustainable and profitable farming

DRR Dhan 88 is high yielding nutrient use efficient variety which is suitable for cultivation in 50% of Phosphorous application in transplanted irrigated conditions for both *Kharif and Rabi* seasons. It has acceptable grain and cooking quality.



KEY FEATURES

- Higher Grain Number 368-422
- Possesses three weeks dormancy– an essential trait to prevent pre-harvest sprouting
- Lodging resistant with strong culm and robust root system

AT-A-GLANCE

- **Ecology:** Irrigated Low Phosphorous
- **Grain Type:** Short Bold
- **Duration:** 125 days
- **Yield:** P50: 5.745 t/ha, P100: 5.988 t/ha

QUALITY

HRR: 58.6% | AC: 22%
GC: 22 mm | ASV: 4.0

GRAIN & COOKING QUALITY



SALIENT FEATURES

Moderate Resistant to Leaf Blast.

PEDIGREE

KMR3/IC 22015

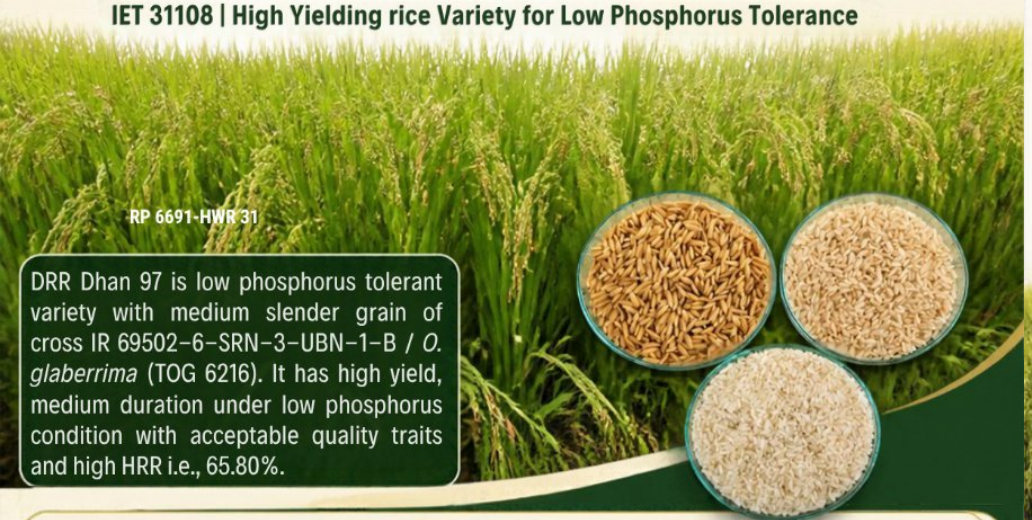
RECOMMENDED STATES

Maharashtra (Zone VII); Telangana, Andhra Pradesh, Karnataka (Zone VIII).

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DRR Dhan 97

IET 31108 | High Yielding rice Variety for Low Phosphorus Tolerance



DRR Dhan 97 is low phosphorus tolerant variety with medium slender grain of cross IR 69502-6-SRN-3-UBN-1-B / *O. glaberrima* (TOG 6216). It has high yield, medium duration under low phosphorus condition with acceptable quality traits and high HRR i.e., 65.80%.

Yield: 4.5–5.0 t/ha | **Duration:** 115–120 days | **HRR:** 65.80%

Rice Variety:	DRR Dhan 97 (IET 31108)
Variety Type:	High Yielding rice Variety for Low Phosphorus Tolerance
Pedigree:	IR 69502-6-SRN-3-UBN-1-B / *O. glaberrima* (TOG 6216)
Ecology:	Low Phosphorus Tolerance
Grain Type:	Medium Slender
Duration:	115–120 days
Yield:	4.5–5.0 t/ha
HRR:	65.80%
L/B Ratio:	2.54
ASV:	4.0
AC:	22.38%
GC:	22 mm

LOW PHOSPHORUS ADAPTATION

Low Phosphorus Tolerance Medium duration under low **phosphorus condition** with acceptable quality traits and high HRR i.e., 65.80%.

SALIENT FEATURES

Moderate resistance to Leaf Blast, Brown Spot, Bacterial Leaf Blight, Sheath Blight, Neck Blast and Moderate Tolerance to Leaf Folder and Plant Hoppers.

Recommended States:
Karnataka, Telangana and Andhra Pradesh.

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DRR Dhan 98

IET 31102 | Low Soil Phosphorus Tolerant Variety

DRR Dhan 98 is a low soil phosphorous tolerant variety RP 6690-MASC-12-46 derived from an interspecific cross WB 9/BPT 5204. It has high yield, medium duration with long slender grain, acceptable cooking quality with high HRR i.e., 59.30.

RP 6690-MASC-12-46



Yield: 5.0 t/ha | **Duration:** 125-130 days | **HRR:** 59.30%

Rice Variety:	DRR Dhan 98 (IET 31102)
Variety Type:	Low Soil Phosphorus Tolerant Variety
Pedigree:	WB 9 / BPT 5204
Ecology:	Low Phosphorus Tolerance
Grain Type:	Long Slender
Duration:	125-130 days
Yield:	5.0 t/ha

Low Phosphorus Adaptation
Low Phosphorus Tolerance
DRR Dhan 98 is a low soil phosphorous tolerant variety

Salient features:
Moderate resistance to Leaf Blast, Brown Spot, Sheath Blight, Neck Blast and Moderate Tolerance to Leaf Folder and Plant Hoppers.

GRAIN & COOKING QUALITY

HRR:	L/B Ratio:	ASV:	AC:	GC:
59.30%	2.54	4.0	24.40%	22 mm

Recommended States:
Karnataka, Telangana and Andhra Pradesh.

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NITROGEN USE
EFFICIENCY
RICE VARIETIES

DRR Dhan 64

IET 28358

Nitrogen Use Efficient Early Rice Variety

DRR Dhan 64 is early maturing, high yielding nitrogen use efficient variety suitable for cultivation in irrigated ecologies. It has good cooking quality.



- Nitrogen Use Efficiency — More grain per unit nitrogen
- EARLY MATURITY — 115-120 days Earlier harvest, higher returns
- High Yield — 5.0-5.5 t/ha Consistent high productivity
- Irrigated Ecology — Best suited for irrigated areas
- GOOD COOKING QUALITY — Soft, fluffy and tasty rice

VARIETY IDENTITY

Pedigree	MTU 1010/KMR3R
Ecology	Irrigated Early
Grain type	Long Slender
Duration	115-120 days
Yield	5.0-5.5 t/ha
Notification No	S.O. 4065 (E) | 31/08/2022
Plant height	108-110 cm
1000 grain weight	23.0 g



PADDY (UNHUSKED) | HUSKED GRAIN | POLISHED RICE

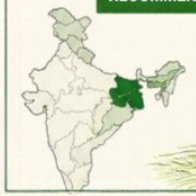
GRAIN AND COOKING QUALITY

L/B ratio:	3.07
Head rice recovery:	66.8%
Alkali spreading value:	4.0
Amylose content:	22.49%
Gel Consistency:	61.5 mm

SALIENT FEATURES

Moderate resistance to leaf blast, neck blast, gall midge, thrips, plant hoppers and whorl maggot.

RECOMMENDED STATES



Bihar and West Bengal.

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DRR Dhan 90

IET 29581 | Low Soil Nitrogen Tolerant Rice Variety



Suitable with 50% of recommended Nitrogen dosage

DRR Dhan 90 is a low soil Nitrogen tolerant rice variety identified in 2025. It is suitable for cultivation in 50% of recommended dosage of Nitrogen application with **4.6 t/ha** under 50% N; **2.5 to 3.0 t/ha** under 0% N.

NITROGEN RESPONSE



EXCELLENT YIELD EVEN AT 50% N = 4.6 t/ha under 50% N

Low Nitrogen • High Efficiency • High Yield

AT-A-GLANCE

Ecology:	Irrigated Low Nitrogen Conditions
Grain Type:	Short Bold
Duration:	125–130 days
Yield:	4.6 t/ha under 50% N; 2.5–3.0 t/ha under 0% N

GRAIN & COOKING QUALITY



HRR: 64.70%
AC: 22.7%
GC: 22.3 mm
ASV: 4.0

SALIENT FEATURES

Moderate resistance to leaf blast, neck blast, sheath rot, plant hoppers, stem borer and whorl maggot.

PEDIGREE

BPT 5204 / Varadhan

RECOMMENDED STATES

Andhra Pradesh, Telangana and Karnataka (Zone VII).

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DRR Dhan 99

IET 29579 | A high yielding rice variety with moderate resistance to multiple stress and tolerant to Leaf Folder



DRR Dhan 99 is a low nitrogen rice variety derived from an interspecific cross Swarna * 2 / *Oryza nivara*. It has yield of 5.155 t/ha under 100% Nitrogen of recommended dose of fertilizers, 4.898 t/ha under 50% Nitrogen of recommended dose of fertilizers, medium slender grain, acceptable cooking quality.

KEY PERFORMANCE

Yield:
5.155 t/ha (100% N of RDF)
4.898 t/ha (50% N of RDF)

Duration:
118-120 days

HRR:
55.20%

LOW NITROGEN PERFORMANCE

Ecology:
Low Nitrogen

5.155 t/haunder 100% Nitrogen of recommended dose of fertilizers

4.898 t/haunder 50% Nitrogen of recommended dose of fertilizers

SALIENT FEATURES

Moderate resistance to Leaf Blast, Brown Spot, Sheath Blight, Neck Blast and Tolerance to Leaf Folder.



VARIETY TYPE: A high yielding rice variety with moderate resistance to multiple stress and tolerant to Leaf Folder

GRAIN TYPE: Medium Slender

COOKING QUALITY: Acceptable cooking quality

PEDIGREE: Swarna * 2 / Oryza nivara

ECOLOGY: Low Nitrogen

RECOMMENDED STATES: Odisha, Maharashtra, Karnataka, Telangana and Andhra Pradesh.

GRAIN & COOKING QUALITY SPECIFICATIONS



HRR: 55.20%
L/B Ratio: 2.51
ASV: 4.0
AC: 20.62%
GC: 22 mm

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DRR Dhan 101

IET32010 | A high yielding rice variety with moderate resistance to multiple stress and tolerant to Leaf Folder and plant hoppers





DRR Dhan 101 is a low nitrogen rice variety derived from an interspecific cross Sampada / Jaya. It has yield of 4.855 t/ha (50% Nitrogen in Zone–VII), 4.456 t/ha (50% Nitrogen in Zone–III), short bold grain, acceptable cooking quality and High HRR i.e., 64.40%.

YIELD:	DURATION:	HRR:
4.855 t/ha (50% N in Z–VII) 4.456 t/ha (50% N in Z–III)	125–130 days	64.40%

LOW NITROGEN PERFORMANCE

Ecology: Low Nitrogen

4.855 t/ha
(50% N in Z–VII)

4.456 t/ha
(50% N in Z–III)

Rice Variety:	DRR Dhan 101 (IET 32010)
Variety Type:	A high yielding rice variety with moderate resistance to multiple stress and tolerant to Leaf Folder and plant hoppers
Pedigree:	Sampada / Jaya
Ecology:	Low Nitrogen
Grain Type:	Short Bold
Duration:	125–130 days
Yield:	4.855 t/ha (50% N in Z–VII) 4.456 t/ha (50% N in Z–III)

SALIENT FEATURES

Moderate resistance to Leaf Blast, Brown Spot, Sheath Blight, Neck Blast and Tolerance to Leaf Folder, Plant Hoppers.

RECOMMENDED STATES

Odisha, Bihar, Karnataka and Telangana.

GRAIN AND COOKING QUALITY

HRR:	L/B Ratio:	ASV:	AC:	GC:
64.40%	2.27	4.0	26.59%	54 mm

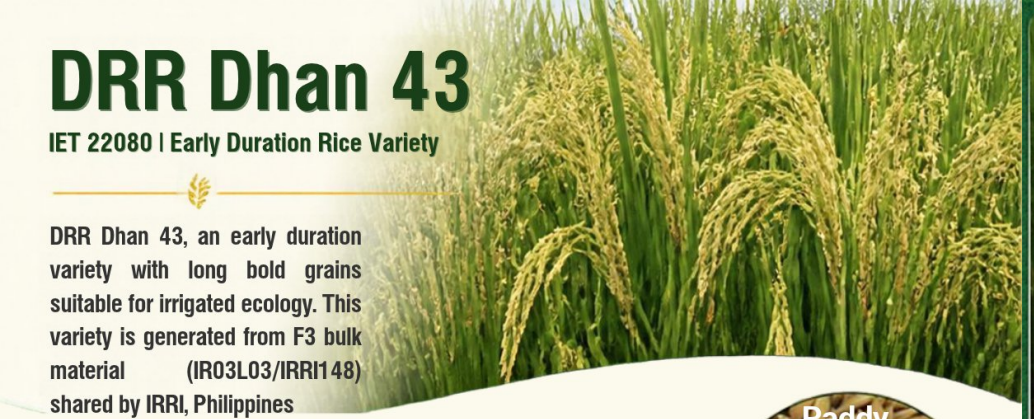
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IRRIGATED EARLY
RICE VARIETIES

DRR Dhan 43

IET 22080 | Early Duration Rice Variety

DRR Dhan 43, an early duration variety with long bold grains suitable for irrigated ecology. This variety is generated from F3 bulk material (IR03L03/IRRI148) shared by IRRI, Philippines



Grain Yield: 6.0 t/ha	Plant height (cm): 100-105 cm	Duration (days): 110-115 days (seed to seed)

भाकृअनुप ICAR





Rice Variety:	DRR Dhan 43 (IET 22080)
Variety Type:	Early Duration Rice Variety
Released for States:	Tamil Nadu, Puducherry, Kerala, and Karnataka
Grain Type:	Long Bold
Ecology:	Irrigated
Season:	Kharif

IDENTIFICATION

Parentage:	IR03L03/IRRI148
IET No:	22080
Year:	2015
Notification No:	S.O.112 (E) I 12/01/2015
Protection of Plant Varieties and Farmers' Rights Authority Number:	2019/209

Disease and Pest Resistance: Moderately resistant to brown spot, sheath rot and brown plant hoppers

GRAIN QUALITY & PHYSICAL CHARACTERISTICS

1000 grain weight (g):	21.6 g
L/B ratio:	2.71
Head rice recovery (%):	56.25%
Alkali spreading value:	7
Amylose content (%):	24.45%
Gel consistency (mm):	69.0 mm

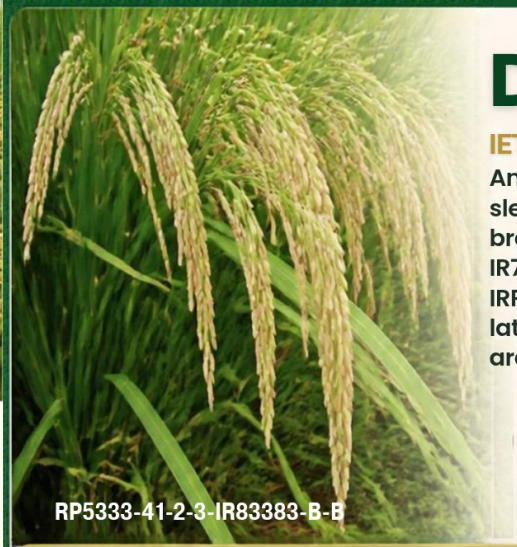
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DRR Dhan 46

IET 23420 | Early Duration Rice Variety

An early duration variety with long slender grains, It is developed from F3 breeding material derived from the cross IR72022/IR57514-PMI-5-B-1-2 shared by IRRI, Philippines. Suitable for early and late planting under irrigated/rainfed areas







Grain Yield: 5.3 t/ha	Plant height (cm): 100-110 cm	Duration (days): 110-115 days(seed to seed)

PLANTING ADAPTABILITY

Suitable for early and late planting under irrigated / rainfed areas

DISEASE AND PEST RESISTANCE

Moderately resistant to blast, brown spot, BLB and sheath rot

VARIETY HIGHLIGHTS

Variety Type: Early Duration Rice Variety
Ecology: Irrigated - Early
Season: Kharif and Rabi
Released for States: Bihar, Madhya Pradesh and Maharashtra

VARIETY IDENTIFICATION

Rice Variety:	DRR Dhan 46 (IET 23420)
Parentage:	IR72022/IR57514-PMI-5-B-1-2
IET No:	23420
Year:	2016
Notification No:	S.O. 2238 (E) I 29/06/2016
Protection of Plant Varieties and Farmers' Rights Authority Number:	2016/1256

AGRONOMIC CHARACTERISTICS

Grain Type:	Long Slender
Grain Yield:	5.3 t/ha
Ecology:	Irrigated - Early
Season:	Kharif and Rabi
Released for States:	Bihar, Madhya Pradesh and Maharashtra

GRAIN QUALITY

1000 grain weight (g):	L/B ratio:	Head rice recovery (%):	Alkali spreading value:	Amylose content (%):	Gel Consistency (mm):
23.5 g	3.27	62.95%	7	23.67%	61.0 mm

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IRRIGATED MEDIUM
RICE VARIETIES

DRR Dhan 40

IET 21542 | High-yielding, medium-duration rice variety







DRR Dhan 40, A semi-dwarf, high yielding, medium-duration variety bred from wild species, O. nivara. It is developed from an advanced back cross population of Swarna/O. nivara followed by pedigree method.

Grain yield:	Plant height (cm):	Duration (days):
5.5 t/ha	99 cm	138 days (seed to seed)

Released for States: Maharashtra,Tamil Nadu and West Bengal.

Grain type: Short bold grains

Disease and Pest Resistance: Moderately resistant to leaf blast, neck blast, rice tungro disease, brown spot and sheath rot.

Parentage: Swarna /O. nivara (IRGC 81848)

IET No: 21542

Year: 2014

Notification No: S.O. 244 (E) 24/01/2014

PPV&FRA No: 2019/216

Ecology: Irrigated

Season: Kharif

1000 grain weight (g):	L/B ratio:	Head rice recovery (%):	Alkali spreading value:	Amylose content (%):
18.0g	2.26	55.8%	4.0	25.68%

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DRR Dhan 79 (IET 29859)

Multiple Stress Tolerant High Yielding Irrigated Medium Duration Variety

DRR Dhan 79 is a marker assisted forward breeding (MAFB) line with medium duration, long slender grains and high yield suitable for both irrigated and rainfed conditions in the background of Krishna Hamsa with acceptable quality traits.





Key Features

- **Ecology** Irrigated & Rainfed (Background: Krishna Hamsa)
- **Grain Type** Long slender
- **Duration** 125–130 days
- **Yield** 57.1 q/ha
- **Salient features** Resistance to Leaf blast, Moderate resistance to Neck blast, Plant hoppers, BPH and Gall midge; and tolerance to Drought

Ecology	Irrigated and rainfed (Background: Krishna Hamsa)
Grain Type	Long slender
Duration	125–130 days
Yield	57.1 q/ha
Salient features	Resistance to Leaf blast, Moderate resistance to Neck blast, Plant hoppers, BPH and Gall midge; and tolerance to Drought

Recommended States : **Odisha and Bihar, Zone V – Madhya Pradesh, Chhattisgarh & Maharashtra Zone VII – Tamil Nadu & Karnataka**

Why Choose DRR Dhan 79?

High Yield Potential | Disease Resistance | Good Grain Quality | Stable Performance (Under Irrigated & Rainfed Conditions) | Suitable for Drought Prone Areas

Better Yield Better Future

सत्यमेव जयते ICAR

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भारतीय IIRR

DRR Dhan 82

IET 30756 | High Yielding Medium Slender Rice Variety

DRR Dhan 82 (Swarna / MTU 1010) is inbuild tolerant with many biotic and abiotic stresses rice variety identified in 2025. It is suitable cultivation in Eastern India. It has acceptable grain and cooking quality.



AT-A-GLANCE

Ecology:	Irrigated Medium conditions
Grain Type:	Medium Slender
Duration:	130–135 days
Yield:	6.0–6.5 t/ha



GRAIN AND COOKING QUALITY

HRR:	AC:	GC:	ASV:
59.95%	22.61%	56 mm	4.0

SALIENT FEATURES

Moderately resistant to BLB, NB, RTD, WBPH, SB and GM.

PEDIGREE

Swarna / MTU 1010

RECOMMENDED STATES

Odisha, West Bengal, Jharkhand, Bihar and Uttar Pradesh (Zone III).

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DRR Dhan 84 (Mahajaya)

IET 32051 | High Yielding Irrigated Medium (NIL) Variety



- BACTERIAL BLIGHT RESISTANCE
- BLAST RESISTANCE
- PLANT-HOPPER RESISTANCE
- HIGH YIELD

DESCRIPTION

DRR Dhan 84, derived from the cross, is a MAS-derived, bacterial blight, blast-resistant, and high-yielding rice variety having the major bacterial blight resistance gene, Xa21, and the genes for blast and yield are Pi54 and Gn1a.
DRR Dhan 84, like its recurrent parent, Jaya, possesses short bold grains, with more than 350–450 grains per panicle, good culm strength, and more panicle branches, along with excellent cooking and eating qualities and higher yield.

TARGET GENES

- Bacterial leaf blight: *Xa21*
- Blast: *Pi54*
- Yield: *Gn1a*

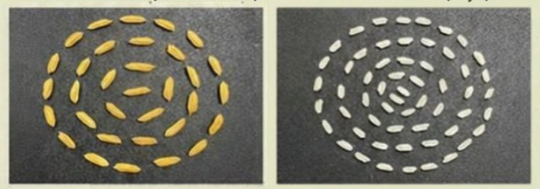
AT-A-GLANCE

Ecology:	Irrigated Medium
Grain Type:	Short Bold
Duration:	125–130 days
Yield:	5.46 t/ha

QUALITY

HRR: 62.2% | AC: 26.2% | GC: 22 MM | ASV: 7.0

SHORT BOLD GRAINS & COOKING QUALITY



Excellent cooking and eating qualities

KEY TRAITS

- More than 350–450 grains per panicle
- Good culm strength
- More panicle branches
- Excellent cooking and eating qualities

PEDIGREE

(Jaya*2/Isogenic line MTU 1010)

RESISTANCE

Resistant to Leaf Blast, Bacterial leaf blight and Plant Hoppers.

RECOMMENDED STATES

Odisha, Bihar, Jharkhand (Zone III), Maharashtra (Zone V), Tamil Nadu, Telangana, Andhra Pradesh (Zone VII)

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DRR Dhan 85

IET 32054 | High Yielding Irrigated Medium (NIL) Variety



+9.5%
mean overall zones (III, V, VII) yield superiority (weighted average)
over Improved Samba Mahsuri (ISM)

DRR Dhan 85 is a high-yielding, bacterial blight and gall midge-resistant, medium slender-fine grain type rice variety. Thus, the variety has shown a mean overall zones (III, V, VII) yield superiority of +9.5% (weighted average) over its recurrent parent, Improved Samba Mahsuri (ISM). The variety inherits the strong agronomic foundation of ISM, characterized by a semi-dwarf, non-lodging plant type and highly vigorous, erect leaves that contribute to excellent biomass production.

SALIENT FEATURES

Resistant to Bacterial leaf blight and Gall Midge.

ISM VS IET 32054



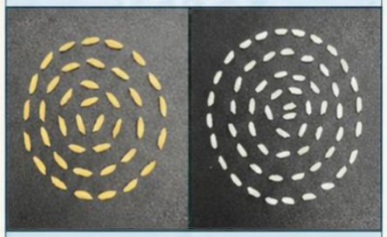
PLANT ARCHITECTURE

Semi-dwarf, non-lodging plant type; highly vigorous, erect leaves; excellent biomass production.

AT-A-GLANCE

- Ecology: Irrigated Transplanted
- Grain Type: Medium Slender
- Duration: 130–135 days
- Yield: 5.394 t/ha

GRAIN & QUALITY



QUALITY

HRR: 55% | AC: 26.2%
GC: 22 mm | ASV: 5.0

PEDIGREE

Improved Samba Mahsuri *2 / Abhaya / Aganni

RECOMMENDED STATES



Odisha, Bihar, Jharkhand (Zone III); Khattisgarh (Zone V); Gujarat, Maharashtra (Zone VI); Tamil Nadu, Telangana, Andhra Pradesh, Karnataka (Zone VII)

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DRR Dhan 95

IET 32047 | A High Yielding Rice Variety with medium slender grain rice with good cooking quality Rice Variety



DRR Dhan 95 is a High yielding irrigated rice variety in Near Isogenic line in the background of WGL-14. It has Enhanced resistance for BLB (Xa4+xa5+xa8+Xa21) & Plant Hoppers (Bph3+Bph17+Bph32) over recurrent parent (RP). It is a similar plant type to RP in terms of PH, GT and is one week earlier than RP (% Similarity with RP-91.81%).

Yield: 6.0 t/ha | **Duration:** 125 days | **Resistant:** Xa4+Xa5+Xa8+Xa21 Bph3+Bph17+Bph32

Sailent Features: Enhanced resistance for BLB (Xa4+xa5+xa8+Xa21) & Plant Hoppers (Bph3+Bph17+Bph32)

BLB RESISTANT



PLANT HOPPER TOLERANCE



PEDIGREE:

WGL 14 / IR 96321-1447-561-B-1
WGL 14 / IR 81896-96-B-B-195
WGL 14 / IR 74371-46-1-1-13
WGL-14 /RP Patho-2
WGL 14 / RP Patho-3

GRAIN TYPE:	Medium Slender
IET NO:	32047
ECOLOGY:	Irrigated Isogenic

GRAIN QUALITY & TECHNICAL SPECIFICATION

HRR(%)	L/B ratio	ASV	GI	AC (%)	GC (mm)
59.1%	2.71	4.0	54.06	26.0%	40 mm

PEDIGREE

WGL 14 / IR 96321-1447-561-B-1 ///// WGL 14 / IR 81896-96-B-B-195 // WGL 14 / IR 74371-46-1-1-13 ///// WGL-14 /RP Patho-2// WGL 14 / RP Patho-3

RECOMMENDED STATES

Telangana, Andhra Pradesh, Karnataka, Tamil Nadu, Kerala and Puducherry

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MARKER ASSISTED
SELECTION
RICE VARIETIES

DRR Dhan 34

IET 19046 | IMPROVED SAMBA MAHSURI

Low GI, BLB Resistant, Fine Grain Rice Variety



LOW GLYCAEMIC INDEX

HIGH RESISTANCE TO BACTERIAL LEAF BLIGHT

Improved Samba Mahsuri, a MAS variety developed by introgression of 3 major bacterial leaf blight resistance genes Xa21, xa13 and xa5 and exhibited high level of resistance to BLB and is widely cultivated across the country for its excellent grain quality

3 major bacterial leaf blight resistance genes: **Xa21, xa13 and xa5**

AT-A-GLANCE

- Ecology: Irrigated & Shallow Lowlands
- Grain Type: Medium Slender
- Duration: 135 days
- Yield: 5.0 t/ha

FINE GRAIN QUALITY



HRR: 65% | ASV: 4.5 | AC: 24.8%

PEDIGREE

Samba Mahsuri*7/SS1113

RECOMMENDED STATES

Andhra Pradesh, Chhattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra

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DRR Dhan 51

IET-25484



Variety type: A high yielding short bold grain variety resistant to blast

Description: DRR Dhan 51 is a blast resistant, high yielding, early maturity, short bold grain variety developed through the deployment of Marker assisted selection (MAS).

Key highlights: It possesses excellent grain and cooking quality features on par with Swarna in terms of Hulling percentage (79.5), Head rice recovery (60.1), Kerel length (5.1), Kerel width (2.16), L/B ratio (2.44), Alkali spreading value (4.0) and Amylose content (26.7).

AGRONOMIC AND IDENTITY

Pedigree:	Swarna*2/C101A51
Ecology:	Irrigated
Grain type:	Short Bold
Duration:	135 - 140 Days
Yield:	5.9 t/ha
Plant height:	111-117 cm
1000 grain weight:	21.5 g
L/B ratio:	2.44
Head rice recovery:	60.1%
ASV:	4
Amylose content:	26.7%

GRAIN AND COOKING QUALITY



HUSKED GRAIN



MILLED GRAIN

Hulling percentage	79.5
Head rice recovery	60.1
Kernel length	5.1
Kernel breadth	2.16
L/B ratio	2.44
Alkali spreading value	4.0
Amylose content	26.7

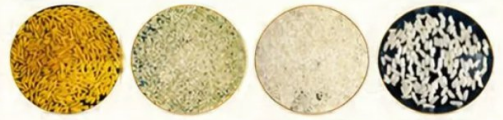
SALIENT FEATURES

This variety is of early duration with high yield under irrigated conditions and good grain quality. It can be grown even with low N conditions.

RECOMMENDED STATES

Uttar Pradesh, Gujarat, Telangana and Chhattisgarh.

RICE PRODUCTS



Notification No: S.O. 1379 (E) | 27/03/2018

Protection of Plant Varieties and Farmers' Rights Authority Number: 2022/0015

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DRR Dhan 53

IET 27294

Low GI, BLB resistant, Fine-grain rice variety



DRR Dhan 53 was developed by introgressing 4 major BB resistance genes, **Xa21+xa13+xa5+Xa38** through marker assisted back cross breeding and is highly resistant to bacterial blight.

It is **Semi-dwarf and non-lodging** with **complete panicle exertion** and has significant yield advantage **(15-30%)** over Samba Mahsuri under BLB incidence.

HIGHLY RESISTANT TO BACTERIAL BLIGHT

LOW GI BETTER HEALTH CHOICE

15-30% YIELD ADVANTAGE OVER SAMBA MAHSURI UNDER BLB INCIDENCE

VARIETY AT A GLANCE

Pedigree	Improved Samba Mahsuri*3/PAU 3554
Ecology	Irrigated & Rainfed Lowland
Grain type	Medium slender
Duration	130-135 Days
Yield	5.5 to 6.0 t/ha
Plant height	85 cm
1000 grain weight	19.9 g
L/B ratio	2.96

HIGHLY RESISTANT TO BACTERIAL BLIGHT



Introgressed with 4 major BB resistance genes **Xa21+xa13+xa5+Xa38** through marker assisted back cross breeding providing highly resistant to bacterial blight.

COMPLETE PANICLE EXERTION



FINE GRAINED



GRAIN AND COOKING QUALITY

Head rice recovery: 59.7%	59.7%
Alkali spreading value: 5	5
Amylose content: 22.2%	22.2%
Gel consistency: 22 mm	22 mm



SALIENT FEATURES

Highly Resistant to bacterial blight.

RECOMMENDED STATES

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

Notification No:
S.O. 500 (E) | 29/01/2021

Protection of Plant Varieties and Farmers' Rights Authority Number:
2022/0018

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DRR Dhan 59

IET-27280

A high yielding fine grain variety
resistant to bacterial blight



RESISTANT TO BACTERIAL BLIGHT | **HIGH YIELD 5.0 - 5.5 T/HA** | **LONGBOLD PREMIUM GRAIN**

DESCRIPTION

DRR Dhan 59 an improved, bacterial blight resistant, high yielding, longbold grain type variety possessing premium grain and cooking quality, developed through the deployment of **Marker assisted** selection. It can replace long **bold** grain varieties like Akshayadhan, Sadabahar and other long bold varieties in those gazetted areas. The new variety can also be cultivated across the country in the bacterial blight affected areas.

COMPARISON: DRR DHAN 59 VS AKSHAYADHAN



VARIETY AT A GLANCE

- **Pedigree** Akshayadhan*2/FBR 1-15
- **Ecology** Irrigated
- **Grain type** Long Bold
- **Duration** 130-135 Days
- **Yield** 5.0 - 5.5 t/ha
- **Notification No** S.O. 8 (E) | 24/12/2021
- **Protection of Plant Varieties and Farmers' Rights Authority No:** 2022/0017
- **Plant height** 113 cm
- **1000 grain weight** 24.0 g

HUSKED GRAIN



MILLED RICE



GRAIN AND COOKING QUALITY

Hulling:	80.8%
Head rice recovery:	56.2%
Kernel length:	6.45 mm
Kernel width:	2.30 mm
L/B ratio:	2.8
Alkai spreading value:	4.0
Amylose content:	26.57
Gel consistency:	24 mm



SALIENT FEATURES

Similar to rice varieties of medium and late duration, which are cultivated in irrigated areas.

REPLACEMENT / USE

It can replace long bold grain varieties like Akshayadhan, Sadabahar and other long bold varieties in those gazetted areas. The new variety can also be cultivated across the country in the bacterial blight affected areas.

RECOMMENDED STATES



Telangana, Tamil Nadu, Jharkhand, Andhra Pradesh.

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DRR DHAN 62

IET28804 BLB & Blast Resistant Fine Grain Rice Variety



HIGH YIELD
5.5-6.0 t/ha
under 40 kg P_2O_5

VARIETY IDENTITY

DRR Dhan 62 is a MAS derived, blast and bacterial blight resistant high-yielding, fine-grain rice variety having 3 major bacterial blight resistance genes, Xa21+xa13+xa5 and 2 major blast resistance genes Pi-2+Pi54. It also showed good level of resistance to neck blast, brown spot and sheath rot.

BLB RESISTANCE

3 major bacterial blight resistance genes
Xa21+xa13+xa5

2 major blast resistance genes
Pi-2+Pi54

Good level of resistance to neck blast, brown spot and sheath rot.



- Pedigree: Improved Samba Mahsuri*2//ISM/C101A51//ISM/Tetep
- Ecology: Irrigated
- Grain type: Medium Slender
- Duration: 135-140 days
- Yield: 5.5-6.0 t/ha under 40 kg P_2O_5
- Plant height: 86-90 cm
- 1000 grain weight: 20.0 g
- L/B ratio: 2.88
- Notification No: S.O. 8 (E) | 24/12/2021
- PPV and FRA Number: 2022/0020

GRAIN AND COOKING QUALITY

HRR:	L/B ratio:	ASV:	AC:	GC:
61.2%	2.88	4.0	26.51%	45 mm

RECOMMENDED STATES



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

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DRR Dhan 83

IET 32045 | MAS derived variety in the background of Krishna Hamsa with Enhanced Blast and Bacterial Leaf blight Resistance and Drought tolerance



- ENHANCED BLAST RESISTANCE
- BACTERIAL LEAF BLIGHT RESISTANCE
- DROUGHT TOLERANCE

DESCRIPTION

DRR Dhan 83 is developed through multi-parent inter-crossing with introgression of xa5+Xa21 for bacterial blight and Pi9 for blast resistance and qDTY12.1+qDTY3.1 for reproductive stage drought tolerance. It also possesses favourable alleles of Pi1+Pi20+Pi38 for blast resistance; AG3 for anaerobic germination and qDTY2.2 for drought tolerance.

TARGET TRAITS

- Bacterial blight: *xa5+Xa21*
- Blast: *Pi9, Pi1+Pi20+Pi38*
- Reproductive-stage drought tolerance: *qDTY12.1+qDTY3.1*
- Anaerobic germination: *AG3*
- Drought tolerance: *qDTY2.2*

AT-A-GLANCE

Ecology:	Grain Type:	Duration:	Yield:
Irrigated Early Transplanted	Long Slender	110–115 days	4.679 t/ha

QUALITY

HRR:	AC:	GC:	ASV:
56.8%	28.74%	45 mm	5.0

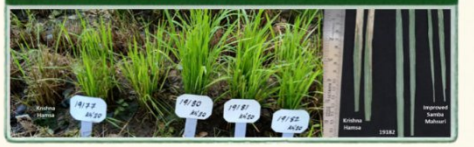
RESISTANCE AND TOLERANCE

Resistant to Blast, Neck blast and Bacterial leaf blight; Tolerance to drought.

GRAIN QUALITY: THREE STAGE



BREEDING / TRAIT VISUAL



PEDIGREE

Improved Samba Mahsuri*2 / Abhaya / Aganni

RECOMMENDED STATES

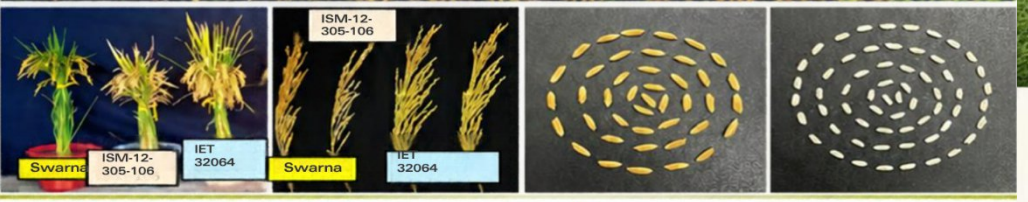
Tripura and Assam, Tamil Nadu, Kerala, Karnataka, Puducherry, Telangana and Andhra Pradesh.

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DRR Dhan 89 (Super Swarna)

IET 32064 | High Yielding Irrigated Late (NIL) Variety





RESISTANT TO BACTERIAL BLIGHT AND LEAF BLAST

HIGH YIELD POTENTIAL WITH EXCELLENT GRAIN QUALITY

OVERVIEW

DRR Dhan 89, derived from the cross, is a high-yielding, bacterial blight, blast-resistant, medium slender-grain type rice variety that possesses the major bacterial blight resistance gene, Xa21, and the genes associated with blast and yield, including Pi54 and OsSPL14. It largely mirrors the superior agronomic base of Swarna, featuring a semi-dwarf, non-lodging plant type with strong culms and dark-green, highly vigorous, erect leaves that contribute to excellent biomass. Its yield potential is underpinned by long, completely exerted deflexed panicles that bear a high number of grains (350-400) with good cooking and eating qualities. It is suitable for cultivation under Irrigated Transplanted conditions in the Eastern states.

TARGET GENES

- Bacterial blight resistance: Xa21
- Blast resistance: Pi54
- Yield-associated gene: OsSPL14

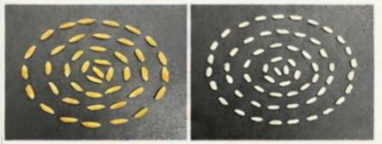
PLANT AND PANICLE TRAITS

Semi-dwarf, non-lodging plant type; strong culms; dark-green, highly vigorous, erect leaves; excellent biomass; long, completely exerted deflexed panicles; 350-400 grains per panicle.

AT-A-GLANCE

- Ecology:Irrigated Late Duration
- Grain Type:Medium Slender
- Duration:135-140 days
- Yield:5.354 t/ha

GRAIN AND COOKING QUALITY



QUALITY: HRR-60.3%; AC-24.58%; GC-22 MM; ASV-7.0

SALIENT FEATURES

Resistant to Leaf Blast, Bacterial Leaf Blight and Moderately Resistant to Leaf Folder, Stem Borer.

PEDIGREE

Swarna *2 / Improved Samba Mahsuri

RECOMMENDED STATES

Odisha, West Bengal, Jharkhand, Bihar, Uttar Pradesh (Zone III)

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DRR Dhan 91

IET 32061 | High Yielding Irrigated Late (NIL) Variety



SUBMERGENCE TOLERANCE

Survives and recovers in waterlogged conditions, ensuring reliable yield under submerged stress.

DESCRIPTION

DRR Dhan 91, derived from the cross, is a high-yielding, bacterial blight, blast-resistant, and submergence-tolerant medium slender-grain type rice variety having the major bacterial blight resistance genes, **Xa21+xa13+xa5**, and the genes associated with blast and submergence are **Pi54 and sub1**. It has acceptable grain and cooking quality. This variety is a replacement for medium slender-grained varieties like Improved Samba Mahsuri in Bacterial blight, blast endemic areas, and submerged stress condition regions.

RESISTANT. TOLERANT. RELIABLE.

SALIENT FEATURES:
Resistant to Bacterial leaf blight and Blast; Tolerance to Submergence, Plant Hoppers.

TARGET GENES:
Bacterial blight resistance: **Xa21+xa13+xa5** | Blast: **Pi54** | Submergence tolerance: **sub1**

REPLACEMENT VARIETY

A superior replacement for medium slender-grained varieties like Improved Samba Mahsuri in Bacterial blight, blast endemic areas, and submerged stress condition regions.

AT-A-GLANCE

- Ecology: Irrigated Medium
- Grain Type: Medium Slender
- Duration: 135-140 days
- Yield: 4.982 t/ha

GRAIN TYPE: MEDIUM SLENDER



QUALITY: GRAIN AND COOKING

HRR: 54.5% | AC: 23.81% | GC: 57 MM | ASV: 5.0

PEDIGREE

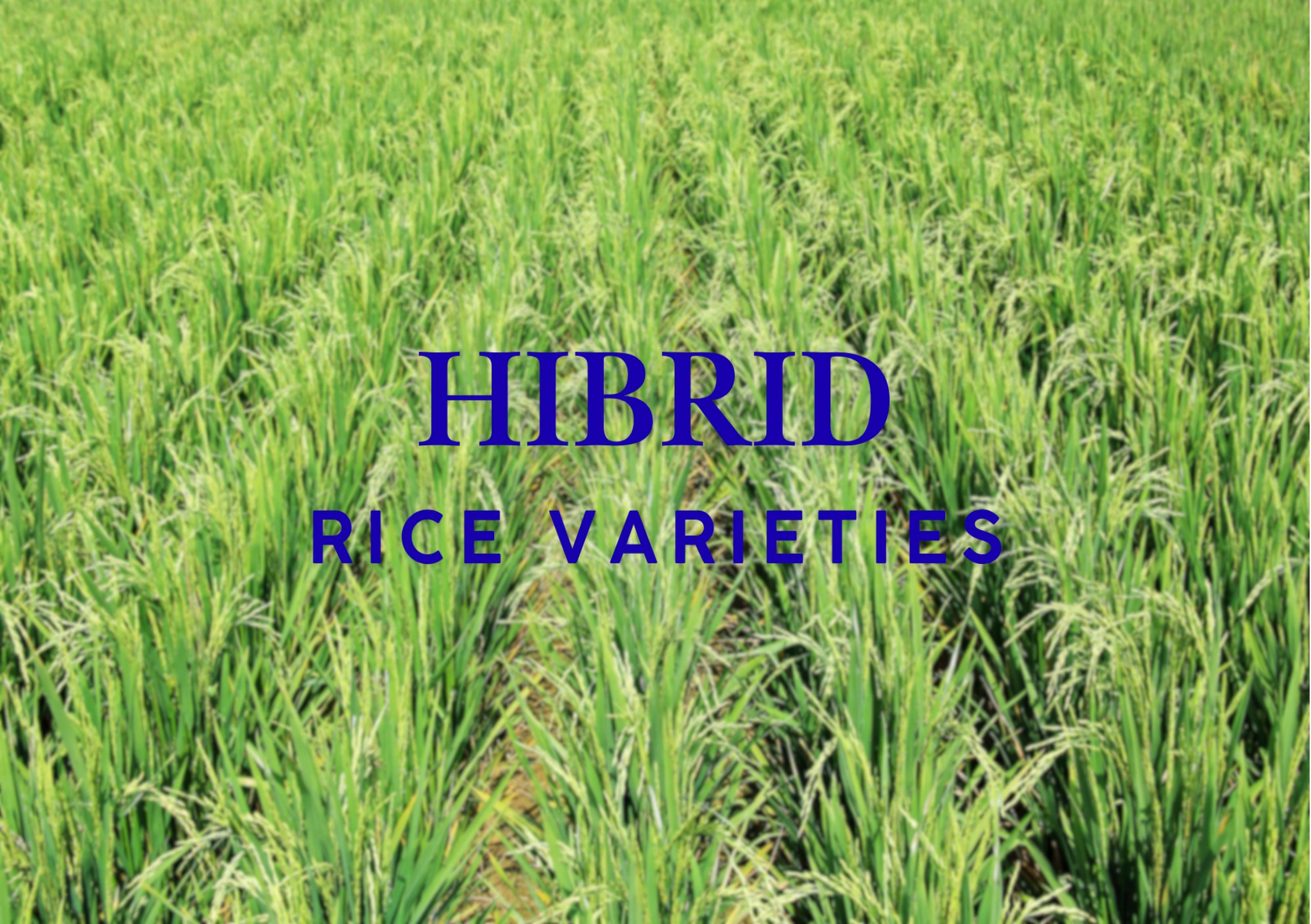
Improved Samba Mahsuri*2//Tetep/Swarna sub-1

RECOMMENDED STATES

Odisha, Jharkhand, Bihar (Zone III); Gujarat, Maharashtra (Zone VI); Tamil Nadu, Andhra Pradesh, Telangana, Karnataka (Zone VII)

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HIBRID
RICE VARIETIES

DRRH-4

First dry direct seeded aerobic rice hybrid notified in 2022

Can be cultivated across the country under irrigated conditions



Excellent grain and cooking quality

VARIETY IDENTITY

Identifier:	IIRRH 124
IET identifier:	IET 27937
Variety type:	Aerobic Rice Hybrid with Multiple Resistance
Description:	DRRH-4 is the First dry direct seeded aerobic rice hybrid notified in 2022 which can also be cultivated across the country under irrigated conditions. It possesses excellent grain and cooking quality.
Pedigree:	APMS-6A AR 9-18
Ecology:	Dry direct seeded aerobic
Grain type:	Medium Slender
Duration:	120 days
Yield:	5.7 to 6.3 t/ha
Notification No:	S.O. 4065 (E) | 31/08/2022

MULTIPLE RESISTANCE
Built to protect. Built to perform.

GRAIN COMPARISON



Paddy (husked) ⊠ Polished rice ⊠ Brown rice (husked)

GRAIN & COOKING QUALITY

Plant Height: 708-110 cm
1000 grain weight: 23.0 g
L/B ratio: 2.7
Hulling: 79.2%
HRR: 62.8%
ASV: 4.0
Amylose Content: 24.6%
GC: 23 mm



Husked Grain



Polished Rice

RESISTANCE PROFILE

Resistance to gall midge & rice thrips; and moderate resistance to Leaf blast, Neck blast & plant hoppers.

RECOMMENDED STATES

Punjab, Odisha, Chhattisgarh, Tripura and Gujarat.

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DRRH – 5 IET 27847

SALINITY TOLERANT RICE HYBRID



COASTAL SALINITY TOLERANCE
Suited for salinity prone areas and coastal saline areas

HIGH YIELD 3.5 T/HA

DURATION 113 - 120 DAYS

GRAIN TYPE Medium Slender

TOLERANT TO major diseases and insect pests

DRRH-5 is a high yielding rice hybrid with **better grain quality and tolerance to major diseases and insect pests** along with coastal salinity tolerance. It is well suitable salinity **prone areas** to attain high yield mainly under **coastal saline areas**.

PEDIGREE	APMS-6A / NH 12-124
ECOLOGY	Coastal saline
GRain Type	Medium Slender
DURATION	113 - 120 days
YIELD	3.5 t/ha
NOTIFICATION NO	S.O. 1560 (E) | 26/03/2024

GRAIN IN HAND



GRAIN COMPARISON



MILLING AND COOKING QUALITY

Plant Height:	108-110	L/B ratio:	2.76
1000 Grain Weight:	23 g	Head Rice Recovery:	62%
Hulling:	79.2%	Alkai Spreading Value:	5.0
Milling:	69.87%	Amylose Content:	26.1%
KL:	5.85 mm	Gel Consistency:	49.67 mm
KB:	2.11 mm		

RECOMMENDED STATES:
West Bengal, Gujarat, Goa and Andhra Pradesh.

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DRRH - 6 (IET 28123)

High Yielding Rice Hybrid

DRRH-6 is a rice hybrid suitable for irrigated early ecology with high yield. It has medium slender grain with acceptable quality traits along with high HRR.





Ecology	:	Irrigated Early conditions
Grain Type	:	Medium slender
Duration	:	115-120 days
Yield	:	60-65 q/ha
Salient features	:	Resistance to Stem borer and Leaf folder Moderate levels of resistance to Neck blast, Leaf blast, Bacterial leaf blight and False smut

Recommended States : Odisha, Bihar and Uttar Pradesh (Zone III)

Why Choose DRRH - 6?

- High Yield Potential
- Disease Resistance
- Good Grain Quality
- Medium Duration
- Suitable for Irrigated Conditions

Better Yield Better Future

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DRRH-7

IET 30165 | Alkaline & Inland Saline Tolerant Rice Hybrid



ALKALINE TOLERANT
Thrives in alkaline soils for stable yields.

INLAND SALINE TOLERANT
Performs well in inland saline environments.

DESCRIPTION

DRRH-7 is high yielding with alkaline tolerance and medium duration hybrid. It is suitable for cultivation in Eastern, Central and Southern states. It has better grain and cooking quality.

PEDIGREE

IR79156A / PSV 729R

AT-A-GLANCE

- Ecology: Alkaline & inland saline
- Grain Type: Long Slender
- Duration: 115–123 days
- Yield: 3.535 t/ha (Alkalinity), 3.478 t/ha (Inland saline)

YIELD PERFORMANCE

ALKALINITY	INLAND SALINE
3.535 t/ha	3.478 t/ha

GRAIN & COOKING QUALITY



- QUALITY:
- HRR: 61.97%
- AC: 24.41%
- GC: 46 mm
- ASV: 4.17

SALIENT FEATURES

Moderate Resistant to Leaf Blast, Neck Blast, Brown Spot, Grain Discoloration, Plant Hoppers.

CMM



INDIE STATESSS

- Haryana
- Uttar Pradesh (Zone II)
- Uttar Pradesh (Zone III)
- Tamil Nadu (Zone VII)

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