NITROGEN USE EFFICIENT

RICE VARIETIES

- DRR Dhan 64 (IET – 28358)
- DRR Dhan 90 (IET – 29581)
- DRR Dhan 99 (IET – 29579)
- DRR Dhan 101 (IET – 32010)

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



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.

ICAR
Indian Institute of Rice Research
Hyderabad, 500030
040-24591218
director.iirr@icar.gov.in

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).

ICAR
Indian Institute of Rice Research
Hyderabad, 500030
040-24591218
director.iirr@icar.gov.in

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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Hyderabad, 500030; 040-24591218; director.iirr@icar.gov.in

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

ICAR Indian Institute of Rice Research
Hyderabad, 500030; 040-24591218; director.iirr@icar.gov.in