



**DUS (Distinctness uniformity and stability)  
TESTS CHARACTERISTICS OF LATEST  
BRRI RELEASED RICE VARIETIES  
(BRRI dhan 51-BRRI dhan-77)**

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## PREFACE

It is very important to identify and distinguish crop varieties precisely for protecting biopiracy. Nowadays, Intellectual Property Rights (IPR) is a burning issue and variety protection has got more and more importance Worldwide. Like other Notified crops, rice varieties are also being indentified and distinguished by DUS (Distinctness, Uniformity and Stability) tests in Bangladesh. In DUS tests, some morphology and physico-chemical property based data are documented. These data are very useful for identification and distinguishing variety from each other.

Seed Certification Agency (SCA) is the leading organization for DUS test activities. In the Seed Rules, 1998; 6(i), function of SCA is to 'carry out varietal description activities as a part of DUS (Distinctness Uniformity and Stability) tests, and co-ordinate and organize multiplication trials for performance testing of varieties (VCU: Value for Cultivation and Uses)'. We also took photographs of important traits for quick identification visually. Finally we documented all the data in this publication and named the booklet 'DUS (Distinctness uniformity and stability) tests characteristics of latest BRRI released rice Varieties'.

This manuscript has got published due to active participants and coordination of variety testing personnel of SCA. We express our deepest gratitude to all the personnel who directly or indirectly help us to produce this booklet. We expect it would serve as an important document to provide necessary information to SCA personnel, researchers and other stakeholders. We duly acknowledged the financial support from GAFSP funded project 'Integrated Agricultural Productivity Project (IAPP)' for publishing this booklet. I give special thanks to Md. Mehar Ali (Ad. field Adm, planning & monitoring) for his full co-operation to prepare this booklet.

**S. M. Sirajul Islam**  
Director



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## DUS tests data of BRRI dhan 51

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
<b>2</b>	<b>Leaf color</b>	<b>Dark Green</b>	<b>3</b>
3	Penultimate leaf: pubescence of blade	Strong or hair on the leaf blade	7
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Erect (<30)	1
8	Time of heading (50% of pts with heads)	Very late (>120 days)	9
9	Male sterility	Absent	0
<b>10</b>	<b>Lemma &amp; palea: anthocyanin color</b>	<b>Weak</b>	<b>3</b>
11	Lemma & palea: antho. color below apex	Weak	3
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
<b>15</b>	<b>Stem: Culm Length</b>	<b>Short (41-60cm)</b>	<b>3</b>
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Partly to just exerted	3-5
29	Time of maturity	Very late (>150 days)	9
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Medium (7.1-8.0mm)	5
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Late and slow (2 or more leaves retain green color at maturity)	1
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	Light brown	2
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
<b>40</b>	<b>Any other character</b>	<b>Submergence tolerant</b>	<b>0</b>

## DUS tests data of BRRI dhan 52

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Intermediate or semi-erect (30-45)</b>	<b>3</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Large (6.1-7.0mm)	5
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-erect	3
28	Panicle: exertion	Moderately to just exerted	5-7
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	3
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium (L:W=2.1-2.5)	2
36	Decorticated unpolished grain: color	Light brown	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	High (>25%)	1
39	Decorticated grain: aroma	Absent	1
<b>40</b>	<b>Any other character</b>	<b>Submergence tolerant</b>	<b>0</b>

## DUS tests data of BRR I dhan 53

Sl No	Characteristics	Status	Code
<b>1</b>	<b>Leaf sheath: anthocyanin color</b>	<b>Present</b>	<b>9</b>
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Erect (<30)	1
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Medium	5
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	Strong	7
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Long (26-30cm)	7
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
<b>23</b>	<b>Spikelet: color of tip of lemma</b>	<b>Purple</b>	<b>5</b>
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	7
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate (20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Salt tolerant (8-10 dS/m)	0



## DUS tests data of BRR I dhan 54

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Medium (86-105 days)	5
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Very large (>7.0mm)	7
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Long (26-30cm)	7
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	White	1
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
31	Grain: length (without dehulling)	Medium (7.1-8.0mm)	5
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium (L:W=2.1-2.5)	5
36	Decorticated unpolished grain: color	White	1
37	<b>Polished grain: size of white core or chalkiness</b>	<b>Small (&lt;10%)</b>	<b>3</b>
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRR1 dhan 55

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Dark Green	3
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	White	1
24	Panicle: awns in spikelet	Present	9
25	Panicle: length longest awn	very short	1
26b	Color of awns	Tip only	1
26a	Panicle: distribution of awns	Yellow white	1
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
<b>31</b>	<b>Grain: length (without dehulling)</b>	<b>Very long (&gt;9.0mm)</b>	<b>9</b>
32	Spikelet: Sterile lemma length	Long (2.6-3.0mm)	5
33	Decorticated grain: length (after dehulling, before milling)	long	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Slender (L:W>3.0)	9
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 56

SI No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Weak or only on the margins	3
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Intermediate or semi-erect (30-45)	3
8	Time of heading (50% of pts with heads)	Medium (86-105 days)	5
9	Male sterility	Absent	0
<b>10</b>	<b>Lemma &amp; palea: anthocyanin color</b>	<b>Medium</b>	<b>5</b>
<b>11</b>	<b>Lemma &amp; palea: antho. color below apex</b>	<b>Medium</b>	<b>5</b>
<b>12</b>	<b>Lemma: antho. colouration of apex</b>	<b>Weak</b>	<b>3</b>
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Medium (116-135 days)	5
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 57

SI No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Strong or hair on the leaf blade	7
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Intermediate or semi-erect (30-45)	3
<b>8</b>	<b>Time of heading (50% of pts with heads)</b>	<b>Early (70-80 days)</b>	<b>3</b>
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Short (41-60cm)	3
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Early (101-115 days)	3
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Low (16-19g)	3
<b>31</b>	<b>Grain: length (without dehulling)</b>	<b>Very long (&gt;9.0mm)</b>	<b>9</b>
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Long (6.6-7.5mm)	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Slender (L:W>3.0)	9
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 58

SI No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Intermediate or semi-erect (30-45)</b>	<b>3</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Strong	7
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Moderately exerted</b>	<b>7</b>
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Late and slow (2 or more leaves retain green color at maturity)	1
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	1

## DUS tests data of BRRI dhan 59

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Very late (>120 days)	9
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Short (41-60cm)	3
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Just exerted	5
<b>29</b>	<b>Time of maturity</b>	<b>Very late (&gt;150 days)</b>	<b>9</b>
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Medium (7.1-8.0mm)	5
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium (L:W=2.1-2.5)	5
36	Decorticated unpolished grain: color	White	1
<b>37</b>	<b>Polished grain: size of white core or chalkiness</b>	<b>Small (&lt;10%)</b>	<b>3</b>
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 60

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
<b>3</b>	<b>Penultimate leaf: pubescence of blade</b>	<b>Absent or very week</b>	<b>1</b>
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Intermediate or semi-erect (30-45)	3
8	Time of heading (50% of pts with heads)	Very late (>120 days)	9
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
<b>29</b>	<b>Time of maturity</b>	<b>Very late (&gt;150 days)</b>	<b>9</b>
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
<b>31</b>	<b>Grain: length (without dehulling)</b>	<b>Very long (&gt;9.0mm)</b>	<b>9</b>
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Long (6.6-7.5mm)	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Slender (L:W>3.0)	9
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 61

Sl No	Characteristics	Status	Code
1	<b>Leaf sheath: anthocyanin color</b>	<b>Present</b>	<b>9</b>
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	Strong	7
13	<b>Spikelet: color of stigma</b>	<b>Purple</b>	<b>5</b>
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many(>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Purple	5
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	<b>Any other character</b>	<b>Salt Tolerant</b>	<b>0</b>



## DUS tests data of BRR1 dhan 62

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Weak or only on the margins	3
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Intermediate or semi-erect (30-45)	3
<b>8</b>	<b>Time of heading (50% of pts with heads)</b>	<b>Early (70-80 days)</b>	<b>3</b>
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Small (<5.0mm)	1
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-erect	3
28	Panicle: exertion	Well exerted	9
29	Time of maturity	Early (101-115 days)	3
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
<b>31</b>	<b>Grain: length (without dehulling)</b>	<b>Very long (&gt;9.0mm)</b>	<b>9</b>
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	<b>Decorticated grain: length (after dehulling, before milling)</b>	Long (6.6-7.5mm)	5
34	Leaf senescence	Intermediate	5
<b>35</b>	<b>Decorticated grain: shape (L/B ratio)</b>	<b>Slender (L:W&gt;3.0)</b>	<b>9</b>
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate (20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	<b>Any other character</b>	<b>Present (Zinc enriched)</b>	0

## DUS tests data of BRR1 dhan 63

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Weak or only on the margins	3
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Erect (<30)	1
8	Time of heading (50% of pts with heads)	Very late (>120 days)	9
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Small (<5.0mm)	1
15	Stem: Culm Length	Short (41-60cm)	3
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Just exerted	5
29	Time of maturity	Very late (>150 days)	9
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
<b>31</b>	<b>Grain: length (without dehulling)</b>	<b>Very long (&gt;9.0mm)</b>	<b>9</b>
32	Spikelet: Sterile lemma length	Long (2.6-3.0mm)	5
<b>33</b>	<b>Decorticated grain: length (after dehulling, before milling)</b>	<b>Very long (&gt;7.5mm)</b>	<b>7</b>
34	Leaf senescence	Intermediate	5
<b>35</b>	<b>Decorticated grain: shape (L/B ratio)</b>	<b>Slender (L:W&gt;3.0)</b>	<b>9</b>
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 64

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Strong or hair on the leaf blade	7
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Erect (<30)	1
8	Time of heading (50% of pts with heads)	Very late (>120 days)	9
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderate to Well exerted	7-9
<b>29</b>	<b>Time of maturity</b>	<b>Very late (&gt;150 days)</b>	<b>9</b>
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
31	Grain: length (without dehulling)	Medium (7.1-8.0mm)	5
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
<b>35</b>	<b>Decorticated grain: shape (L/B ratio)</b>	<b>Bold (L:W=1.5-2.0)</b>	<b>3</b>
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Medium (10-20%)	5
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	<b>Any other character</b>	<b>Present (Zinc enriched)</b>	0

## DUS tests data of BRRI dhan 65

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Absent or very weak	1
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
<b>8</b>	<b>Time of heading (50% of pts with heads)</b>	<b>Early (70-80 days)</b>	<b>3</b>
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Small (<5.0mm)	1
15	Stem: Culm Length	Short (41-60cm)	3
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Early (101-115 days)	3
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Long (6.6-7.5mm)	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Slender (L:W>3.0)	9
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 66

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Intermediate or semi-erect (30-45)</b>	<b>3</b>
8	Time of heading (50% of pts with heads)	Medium (86-105 days)	5
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Long (26-30cm)	7
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Moderately exerted</b>	<b>7</b>
29	Time of maturity	Medium (116-135 days)	5
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRR1 dhan 67

SI No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Intermediate or semi-erect (30-45)</b>	<b>3</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-erect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Moderately exerted</b>	<b>7</b>
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
<b>40</b>	<b>Any other character</b>	<b>Salt tolerant</b>	<b>0</b>

## DUS tests data of BRR1 dhan 68

SI No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Moderately exerted</b>	<b>7</b>
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Long (6.6-7.5mm)	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Medium (10-20%)	5
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRR1 dhan 69

SI No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Late (106-120) days	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Large (6.1-7.0mm)	5
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Moderately exerted</b>	<b>7</b>
29	Time of maturity	Late (136-150) days	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium Slender	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0



## DUS tests data of BRR1 dhan 70

Sl No	Characteristics	Status	Code
<b>1</b>	<b>Leaf sheath: anthocyanin color</b>	<b>Present</b>	<b>9</b>
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Absent or very weak	1
4	P. leaf: antho. color of auricles & collar	Present	9
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Intermediate or semi-erect (30-45)	3
8	Time of heading (50% of pts with heads)	Medium (86-105 days)	5
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	Purple	5
14	Stem: Culm diameter	Large (6.1-7.0mm)	5
15	Stem: Culm Length	Very long (>110cm)	9
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Long (26-30cm)	7
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
<b>23</b>	<b>Spikelet: color of tip of lemma</b>	<b>Red</b>	<b>4</b>
24	Panicle: awns in spikelet	Present	9
25	Panicle: length longest awn	Very short (<2mm)	1
26b	Color of awns	Reddish	5
26a	Panicle: distribution of awns	Tip only	1
27	Panicle: attitude of branches	Semi-erect	3
28	Panicle: exertion	Well exerted	9
29	Time of maturity	Medium (116-135 days)	5
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
<b>31</b>	<b>Grain: length (without dehulling)</b>	<b>Very long (&gt;9.0mm)</b>	<b>9</b>
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Long (6.6-7.5mm)	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Slender (L:W>3.0)	9
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Lightly present	5
40	Any other character	Absent	0

## DUS tests data of BRRI dhan 71

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
<b>3</b>	<b>Penultimate leaf: pubescence of blade</b>	<b>Weak or only on the margins</b>	<b>3</b>
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Intermediate or semi-erect (30-45°)</b>	<b>3</b>
<b>8</b>	<b>Time of heading (50% of pts with heads)</b>	<b>Early (70-80 days)</b>	<b>3</b>
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-erect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Early (101-115 days)	3
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
31	Grain: length (without dehulling)	Very long (>9.0mm)	9
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRR1 dhan 72

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Medium (86-105 days)	5
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Large (6.1-7.0mm)	5
15	Stem: Culm Length	Long (81-110cm)	7
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Long (26-30cm)	7
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	Present	9
25	Panicle: length longest awn	Short (2-5mm)	3
26b	Color of awns	Yellow white	1
26a	Panicle: distribution of awns	Tip only	1
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Just exerted	5
29	Time of maturity	Medium (116-135 days)	5
30	<b>Grain: wt. of 1000 fully developed grains (at 12% MC)</b>	<b>Very high (&gt;27g)</b>	<b>9</b>
31	Grain: length (without dehulling)	Very long (>9.0mm)	9
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Long (6.6-7.5mm)	5
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	Light brown	2
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRR1 dhan 73

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Medium (86-105 days)	5
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
<b>15</b>	<b>Stem: Culm Length</b>	<b>Long (81-110cm)</b>	<b>7</b>
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Long (26-30cm)	7
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	Present	9
25	Panicle: length longest awn	Very short (<2mm)	1
26b	Color of awns	Yellow white	1
26a	Panicle: distribution of awns	Tip only	1
27	Panicle: attitude of branches	Semi-errect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Just to Moderately exerted</b>	<b>5-7</b>
29	Time of maturity	Medium (116-135 days)	5
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	7
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	3
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	5
34	Leaf senescence	Intermediate	7
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	1
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	5
38	Endosperm: content of amylose	High (>25%)	1
39	Decorticated grain: aroma	Absent	0
40	Any other character	Absent	

## DUS tests data of BRRI dhan 74

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Weak or only on the margins	3
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Medium (5.1-6.0mm)	3
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Moderately exerted</b>	<b>7</b>
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Very high (>27g)	9
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium slender (L:W=2.6-3.0)	7
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Medium (10-20%)	5
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
<b>40</b>	<b>Any other character</b>	<b>Present (Zinc enriched=24.2mg/kg)</b>	<b>0</b>

## DUS tests data of BRRI dhan 75

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
7	Flag leaf: attitude of blade	Intermediate or semi-erect (30-45)	3
<b>8</b>	<b>Time of heading (50% of pts with heads)</b>	<b>Early (70-80 days)</b>	<b>3</b>
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Large (6.1-7.0mm)	5
15	Stem: Culm Length	Medium (61-80cm)	5
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Medium (21-25cm)	5
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Many (>10)	7
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-erect	3
28	Panicle: exertion	Moderately to Well exerted	7-9
29	Time of maturity	Early (101-115 days)	3
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Medium (20-23g)	5
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
<b>35</b>	<b>Decorticated grain: shape (L/B ratio)</b>	<b>Slender (L:W&gt;3.0)</b>	<b>9</b>
36	Decorticated unpolished grain: color	White	1
37	Polished grain: size of white core or chalkiness	Absent or very small	1
38	Endosperm: content of amylose	Intermediate(20-25%)	3
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

## DUS tests data of BRR1 dhan 76

SI No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Very late (>120 days)	9
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Large (6.1-7.0mm)	5
<b>15</b>	<b>Stem: Culm Length</b>	<b>Very long (&gt;110cm)</b>	<b>9</b>
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
<b>19</b>	<b>Panicle: length</b>	<b>Very long (&gt;30cm)</b>	<b>9</b>
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
<b>28</b>	<b>Panicle: exertion</b>	<b>Moderately exerted</b>	<b>7</b>
29	Time of maturity	Very late (>150 days)	9
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	High (24-27g)	7
31	Grain: length (without dehulling)	Medium (7.1-8.0mm)	5
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium (L:W=2.1-2.5)	5
36	Decorticated unpolished grain: color	Light brown	2
37	Polished grain: size of white core or chalkiness	Small (<10%)	3
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0

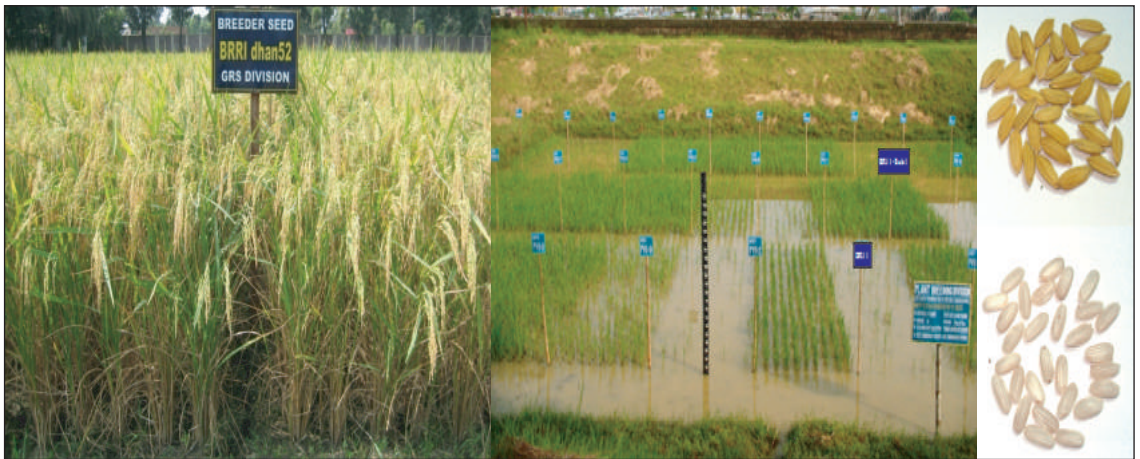
## DUS tests data of BRR1 dhan 77

Sl No	Characteristics	Status	Code
1	Leaf sheath: anthocyanin color	Absent	1
2	Leaf color	Green	2
3	Penultimate leaf: pubescence of blade	Medium or hairs on the upper portion of the leaf	5
4	P. leaf: antho. color of auricles & collar	Absent	1
5	Penultimate leaf: ligule	Present	9
6	Penultimate leaf: shape of the ligule	Split or two-cleft	3
<b>7</b>	<b>Flag leaf: attitude of blade</b>	<b>Erect (&lt;30)</b>	<b>1</b>
8	Time of heading (50% of pts with heads)	Late (106-120 days)	7
9	Male sterility	Absent	0
10	Lemma & palea: anthocyanin color	Absent or very weak	1
11	Lemma & palea: antho. color below apex	Absent or very weak	1
12	Lemma: antho. colouration of apex	absent or very weak	1
13	Spikelet: color of stigma	White	1
14	Stem: Culm diameter	Large (6.1-7.0mm)	5
<b>15</b>	<b>Stem: Culm Length</b>	<b>Very long (&gt;110cm)</b>	<b>9</b>
16	Stem: anthocyanin colouration of nodes	Absent	1
17	Stem: Intensity of antho colour of nodes	Absent	0
18	Stem: antho. coloration of internodes	Absent or very weak	1
19	Panicle: length	Long (26-30cm)	7
20	Panicle: curvature of main axis	Medium	5
21	Panicle: no. of effective tillers in plant	Medium (6-10)	5
22	Spikelet: Pubescence of lemma & palea	strong	7
23	Spikelet: color of tip of lemma	Yellowish	2
24	Panicle: awns in spikelet	absent	1
25	Panicle: length longest awn	Absent	0
26b	Color of awns	Absent	0
26a	Panicle: distribution of awns	Absent	0
27	Panicle: attitude of branches	Semi-errect	3
28	Panicle: exertion	Moderately exerted	7
29	Time of maturity	Late (136-150 days)	7
30	Grain: wt. of 1000 fully developed grains (at 12% MC)	Very high (>27g)	9
31	Grain: length (without dehulling)	Long (8.1-9.0mm)	7
32	Spikelet: Sterile lemma length	Medium (1.5-2.5mm)	3
33	Decorticated grain: length (after dehulling, before milling)	Medium (5.6-6.5mm)	3
34	Leaf senescence	Intermediate	5
35	Decorticated grain: shape (L/B ratio)	Medium (L:W=2.1-2.5)	5
<b>36</b>	<b>Decorticated unpolished grain: color</b>	<b>Variogated brown</b>	<b>3</b>
37	Polished grain: size of white core or chalkiness	Medium (10-20%)	5
38	Endosperm: content of amylose	High (>25%)	5
39	Decorticated grain: aroma	Absent	1
40	Any other character	Absent	0





**BRRi dhan51**



**BRRi dhan52**



**BRRi dhan53**



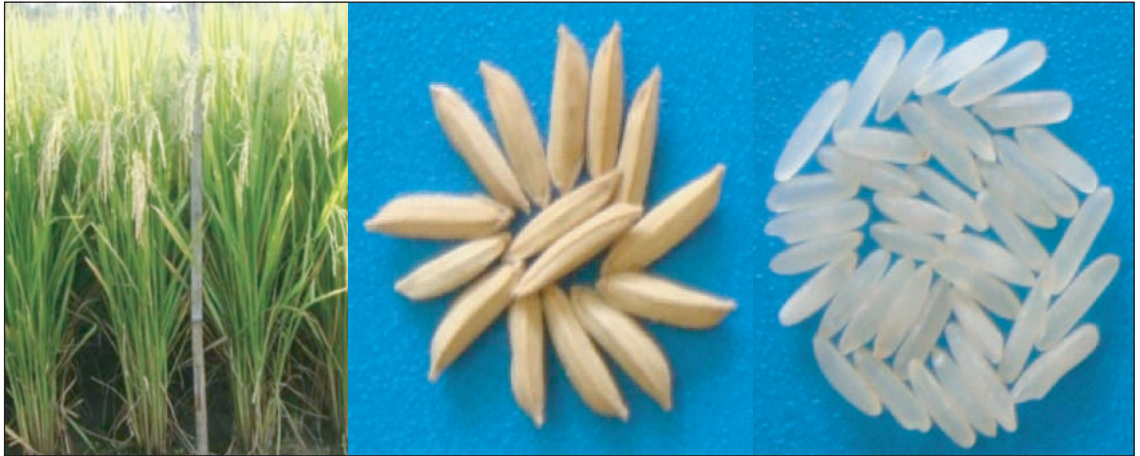
**BRRi dhan54**



**BRRi dhan55**



**BRRi dhan56**



**BRRi dhan57**



**BRRi dhan58**



**BRRi dhan59**



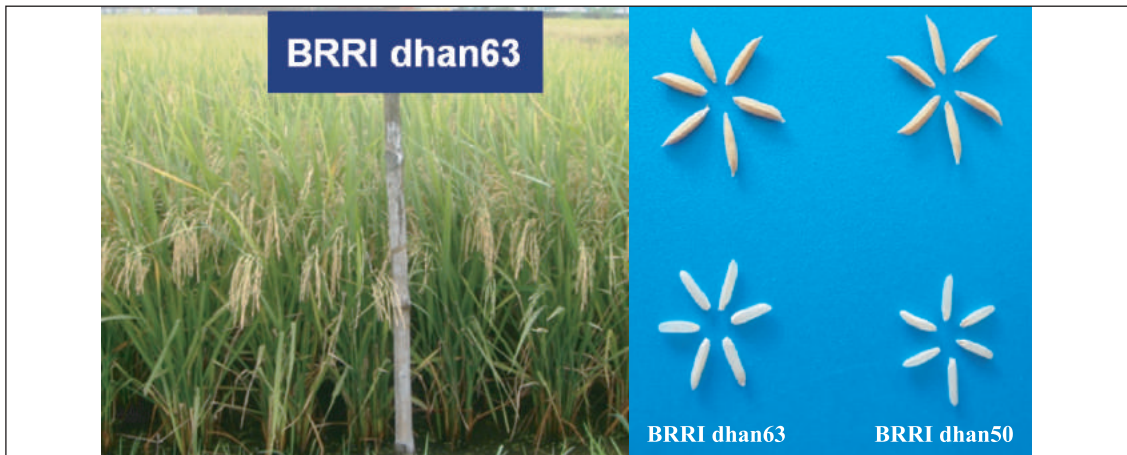
**BRR1 dhan60**



**BRR1 dhan61**



**BRR1 dhan62**



**BRRRI dhan63**



**BRRRI dhan64**



**BRRRI dhan65**





**BRR1 dhan66**



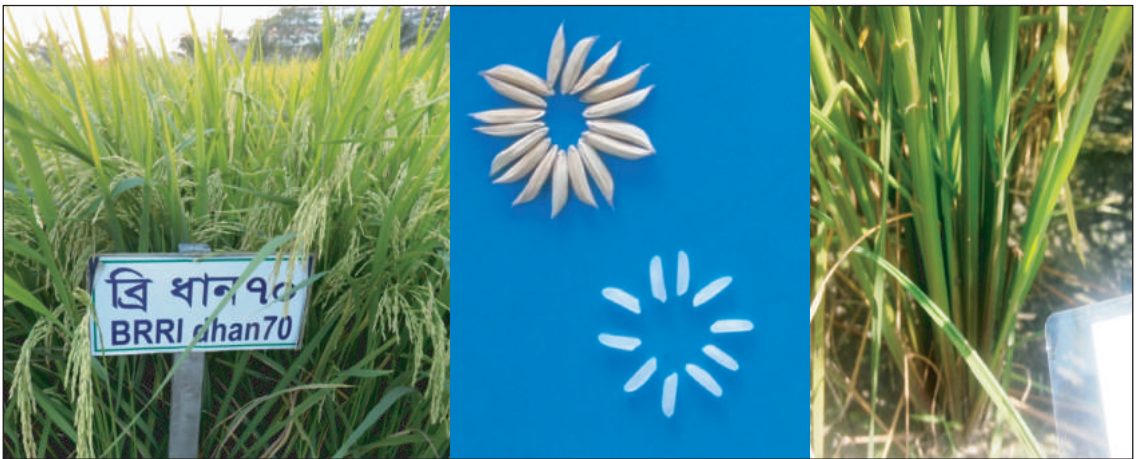
**BRR1 dhan67**



**BRR1 dhan68**



**BRR1 dhan69**



**BRR1 dhan70**



**BRR1 dhan71**



**BRRRI dhan72**



**BRRRI dhan73**



**BRRRI dhan74**





**BRR I dhan75**



**BRR I dhan76**



**BRR I dhan77**