

2162-SPL-HYPT-IR-ES-TAS-NWPZ/NEPZ, 2021-22

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ											
			Delhi			Ludhiana			Gurdaspur			Karnal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	PBW872*	HYPT108	73.4	7	0	74.1	2	1	69.1	4	1	74.4	2	1
2	DBW371*	HYPT111	78.5	2	1	70.1	9	1	70.6	2	1	75.0	1	1
3	DBW370*	HYPT112	75.5	5	1	69.1	11	0	64.8	9	0	68.5	12	0
4	DBW372 [#] *	HYPT113	79.8	1	1	70.1	8	1	64.3	10	0	70.4	10	0
5	PBW868	HYPT104	68.5	12	0	70.8	7	1	71.2	1	1	69.1	11	0
6	PBW871	HYPT106	74.5	6	0	75.2	1	1	66.6	6	0	72.7	8	1
7	DBW373	HYPT109	71.4	9	0	69.1	10	0	63.3	12	0	72.3	9	1
8	DBW318	HYPT110	66.0	13	0	70.8	6	1	65.1	8	0	74.0	3	1
9	DBW303(C)	HYPT101	72.4	8	0	64.3	13	0	65.2	7	0	73.5	5	1
10	HD3086(C)	HYPT105	69.8	11	0	65.3	12	0	63.2	13	0	61.6	13	0
11	DBW187(C)	HYPT107	70.6	10	0	72.8	4	1	66.9	5	0	73.4	6	1
12	DBW332(I)(C)	HYPT102	75.8	4	1	73.9	3	1	63.9	11	0	73.2	7	1
13	DBW327(I)(C)	HYPT103	77.4	3	1	72.4	5	1	70.4	3	1	73.7	4	1
G.M.			73.4			70.6			66.5			71.7		
S.E.(M)			1.867			2.231			1.612			1.586		
C.D. (10%)			4.5			5.3			3.8			3.8		
C.V.			5.1			6.3			4.8			4.4		
D.O.S.(dd.mm.yy)			28.10.21			29.10.21			01.11.21			31.10.21		

No. of Trials : Proposed = 19 Conducted = 19
 Trials not reported (11) = Pantnagar (RMT), Kanpur (RMT), Varanasi (RMT), BISA-Ladhowal (LSM)
 Hisar (LSM), Sriganaganagar (LSM), Gwalior (LSM), Bulandshahr (LSM)
 Sabour (LSM), Ranchi (LSM), Kalyani (LSM)

2162-SPL-HYPT-IR-ES-TAS-NWPZ/NEPZ, 2021-22

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ						NEPZ					
			Bharatpur			Modipuram			Ayodhya			BISA-Pusa		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	PBW872*	HYPT108	72.5	11	0	64.1	10	0	59.5	12	0	59.9	5	1
2	DBW371*	HYPT111	73.8	9	0	68.8	4	0	55.7	13	0	55.6	9	1
3	DBW370*	HYPT112	79.3	2	0	55.8	13	0	64.1	7	0	58.8	7	1
4	DBW372 [#] *	HYPT113	76.1	5	0	77.1	1	1	63.6	8	0	61.3	4	1
5	PBW868	HYPT104	82.6	1	1	65.6	9	0	63.6	8	0	61.7	3	1
6	PBW871	HYPT106	75.6	6	0	66.3	7	0	65.1	5	1	52.7	12	0
7	DBW373	HYPT109	73.3	10	0	65.7	8	0	66.5	4	1	55.3	10	1
8	DBW318	HYPT110	74.4	8	0	59.7	11	0	66.6	3	1	59.1	6	1
9	DBW303(C)	HYPT101	72.1	12	0	57.0	12	0	64.9	6	1	57.9	8	1
10	HD3086(C)	HYPT105	74.9	7	0	69.1	2	0	61.7	10	0	51.6	13	0
11	DBW187(C)	HYPT107	68.4	13	0	69.1	3	0	68.1	1	1	63.3	1	1
12	DBW332(I)(C)	HYPT102	76.2	4	0	67.4	6	0	59.5	11	0	62.3	2	1
13	DBW327(I)(C)	HYPT103	76.4	3	0	68.1	5	0	67.9	2	1	54.0	11	0
G.M.			75.0			65.7			63.6			58.0		
S.E.(M)			1.087			0.898			1.607			3.499		
C.D. (10%)			2.6			2.1			3.8			8.4		
C.V.			2.9			2.7			5.1			12.1		
D.O.S.(dd.mm.yy)			01.11.21			04.11.21			04.11.21			16.11.21		

2162-SPL-HYPT-IR-ES-TAS-NWPZ/NEPZ, 2021-22
ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	NWPZ			NEPZ			National		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	PBW872*	HYPT108	71.3	7	0	59.7	10	0	68.4	8	0
2	DBW371*	HYPT111	72.8	3	1	55.7	13	0	68.5	7	0
3	DBW370*	HYPT112	68.8	10	0	61.4	5	1	67.0	10	0
4	DBW372#*	HYPT113	73.0	2	1	62.4	4	1	70.3	1	1
5	PBW868	HYPT104	71.3	6	0	62.6	3	1	69.1	3	1
6	PBW871	HYPT106	71.8	4	1	58.9	11	0	68.6	6	0
7	DBW373	HYPT109	69.2	9	0	60.9	8	0	67.1	9	0
8	DBW318	HYPT110	68.3	11	0	62.8	2	1	67.0	11	0
9	DBW303(C)	HYPT101	67.4	12	0	61.4	6	1	65.9	12	0
10	HD3086(C)	HYPT105	67.3	13	0	56.7	12	0	64.7	13	0
11	DBW187(C)	HYPT107	70.2	8	0	65.7	1	1	69.1	4	1
12	DBW332(I)(C)	HYPT102	71.7	5	1	60.9	9	0	69.0	5	1
13	DBW327(I)(C)	HYPT103	73.1	1	1	61.0	7	0	70.0	2	1
G.M.			70.5			60.8			68.1		
S.E.(M)			0.658			1.925			0.689		
C.D. (10%)			1.5			4.5			1.6		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: SPL-HYPT-IR-ES-TAS-NWPZ/NEPZ, 2021-22

SN	Variety	Code	Disease Reaction		Agronomic Characteristics								
			YI	Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R (cm)	Ht.M (cm)	Lod. M %	TGW.R	TGW.M
1	PBW872*	HYPT108	10MS	20S	85-108	99	135-163	149	82-105	95	0	33-52	45
2	DBW371*	HYPT111	10MS	10S	85-112	102	136-162	147	83-106	97	0	32-51	44
3	DBW370*	HYPT112	10MS	10MS	85-113	102	135-164	148	82-110	98	10	34-46	40
4	DBW372 [#] *	HYPT113	10MS	10S	92-117	106	135-164	149	82-103	95	5	35-46	41
5	PBW868	HYPT104	40S	5S	87-115	102	134-163	148	76-106	95	5	34-46	40
6	PBW871	HYPT106	10MS	20MS	87-114	102	134-162	150	78-107	95	5	33-48	42
7	DBW373	HYPT109	10MR	20S	87-117	103	136-162	149	72-101	92	0	31-48	40
8	DBW318	HYPT110	tMR	5S	84-116	103	137-164	148	76-106	94	10	34-48	41
9	DBW303(C)	HYPT101	5MR	5S	81-110	98	136-164	148	84-108	97	15	31-45	40
10	HD3086(C)	HYPT105	tMR	30S	81-110	98	140-163	149	76-101	92	5	33-48	41
11	DBW187(C)	HYPT107	10MR	10S	85-113	101	135-163	148	74-111	96	5	28-48	42
12	DBW332(I)(C)	HYPT102	20MR	20S	83-112	98	133-164	149	80-108	95	5	31-45	39
13	DBW327(I)(C)	HYPT103	10MR	40S	86-110	99	136-164	148	73-103	93	5	30-50	43

1. Ancillary data from BISA-Ladhowal, Delhi, Gurdaspur, Hisar, Karnal, Ludhiana, Modipuram, Bulandshahr, Gwalior, Bharatpur, Pantnagar, and Sriganaganagar.
2. Yellow rust data from Delhi and Karnal centres.
3. Brown rust data from Delhi and Karnal centres.
4. Lodging data from Gurdaspur, Delhi, Gwalior, Sriganaganagar and Pantnagar centres.

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North Western Plains Zone

Individual Station Rust Data

SN	Variety	Code	Yellow rust		Brown rust	
			Delhi	Karnal	Delhi	Karnal
1	PBW872*	HYPT108	0	10MS	20S	5S
2	DBW371*	HYPT111	0	10MS	10S	5S
3	DBW370*	HYPT112	0	10MS	10MS	0
4	DBW372 ^{#*}	HYPT113	0	10MS	10S	0
5	PBW868	HYPT104	10MS	40S	5S	0
6	PBW871	HYPT106	10MS	5MS	20MS	5S
7	DBW373	HYPT109	0	10MR	20S	5S
8	DBW318	HYPT110	0	tMR	5MS	5S
9	DBW303(C)	HYPT101	0	5MR	5S	0
10	HD3086(C)	HYPT105	0	tMR	30S	20S
11	DBW187(C)	HYPT107	0	10MR	10S	5S
12	DBW332(I)(C)	HYPT102	0	20MR	20S	tR
13	DBW327(I)(C)	HYPT103	0	10MR	40S	10S

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: SPL-HYPT-IR-ES-TAS-NWPZ/NEPZ, 2021-22

SN	Variety	Code	Disease Reaction	Agronomic Characteristics							
			LB(HS, Av.)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	PBW872*	HYPT108	56(35)	72-90	83	115-136	126	81-94	89	35-51	46
2	DBW371*	HYPT111	35(35)	70-92	85	118-136	127	88-101	94	40-54	47
3	DBW370*	HYPT112	57(46)	94-93	85	116-137	128	87-99	94	34-52	44
4	DBW372 ^{#*}	HYPT113	56(34)	78-96	89	117-138	127	87-99	93	40-49	44
5	PBW868	HYPT104	56(35)	75-94	86	113-137	127	87-98	92	36-50	44
6	PBW871	HYPT106	56(35)	72-91	83	116-138	127	76-93	86	39-48	44
7	DBW373	HYPT109	35(24)	70-91	83	111-138	126	78-90	85	37-45	40
8	DBW318	HYPT110	45(35)	68-88	81	114-137	125	85-98	90	39-48	44
9	DBW303(C)	HYPT101	46(24)	72-89	81	114-136	125	85-99	92	37-50	42
10	HD3086(C)	HYPT105	35(24)	69-88	81	116-136	126	75-95	88	33-50	42
11	DBW187(C)	HYPT107	45(34)	67-89	81	115-137	126	84-100	92	38-52	47
12	DBW332(I)(C)	HYPT102	45(34)	64-89	80	113-136	126	80-98	92	31-48	41
13	DBW327(I)(C)	HYPT103	45(35)	74-89	83	112-137	127	83-94	89	37-56	49

1. Ancillary data from Ayodhya, BISA-PUSA, Kalyani, Ranchi, Sabour and Varanasi centres.
2. Leaf blight data from Ayodhya, Kalyani, and Sabour centres.

Trial: SPL-HYPT-IR-ES-TAS-NWPZ/NEPZ, 2021-22
Data North Eastern Plains Zone

Individual Station Leaf Blight Data

SN	Variety	Code	Ayodhya	Kalyani	Sabour
1	PBW872*	HYPT108	36	56	24
2	DBW371*	HYPT111	36	24	34
3	DBW370*	HYPT112	36	57	35
4	DBW372 [#] *	HYPT113	12	56	35
5	PBW868	HYPT104	24	56	35
6	PBW871	HYPT106	12	35	56
7	DBW373	HYPT109	12	35	24
8	DBW318	HYPT110	24	45	35
9	DBW303(C)	HYPT101	12	24	46
10	HD3086(C)	HYPT105	12	35	35
11	DBW187(C)	HYPT107	12	35	45
12	DBW332(I)(C)	HYPT102	12	45	45
13	DBW327(I)(C)	HYPT103	35	24	45