

**2072-SPL-CI-HYT-IR-ES-TAS-NWPZ, 2020-21  
LOCATIONWISE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	Punjab			Haryana			U.P.			Delhi			UTK			Rajasthan			Zonal								
			Ludhiana			Ladowal (BISA)			Hisar			Karnal			Modipuram			Delhi			Pantnagar			Sriganganagar					
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	HD3412	HYT-201	68.4	21	0	77.1	9	0	49.7	24	0	70.5	13	0	70.4	22	0	80.0	3	1	79.9	5	0	61.5	24	0	69.7	17	0
2	DBW375	HYT-202	62.0	25	0	57.9	25	0	70.0	7	1	43.1	25	0	78.9	14	0	69.8	16	0	66.9	22	0	67.1	15	0	64.5	25	0
3	DBW374	HYT-203	70.3	19	0	74.4	16	0	48.6	25	0	56.9	24	0	81.5	13	0	66.5	22	0	62.5	25	0	62.7	19	0	65.4	24	0
4	HD3403	HYT-204	77.7	12	1	79.5	6	1	66.7	10	0	75.6	9	1	77.8	15	0	77.1	8	1	63.2	24	0	52.1	25	0	71.2	16	0
5	WH1406	HYT-205	86.6	4	1	76.7	11	0	76.4	4	1	71.7	11	1	85.7	7	0	71.2	15	0	77.8	10	0	62.3	21	0	76.0	10	0
6	HD3413	HYT-206	72.8	17	0	64.3	24	0	63.9	15	0	65.5	22	0	73.4	20	0	77.4	6	1	71.9	16	0	61.6	22	0	68.9	19	0
7	PBW867	HYT-207	85.7	5	1	76.5	12	0	66.3	12	0	77.0	7	1	81.8	12	0	67.2	19	0	81.8	4	1	69.4	8	0	75.7	11	0
8	UP3096	HYT-208	82.5	8	1	83.6	4	1	76.7	2	1	81.0	1	1	77.2	16	0	68.3	17	0	74.8	12	0	67.8	12	0	76.5	6	0
9	WH1404	HYT-209	81.0	9	1	73.3	18	0	62.0	18	0	68.5	17	0	84.5	9	0	71.7	13	0	63.9	23	0	68.1	11	0	71.6	15	0
10	PBW868	HYT-210	86.9	3	1	83.7	3	1	66.7	10	0	66.0	21	0	86.7	6	0	77.3	7	1	78.4	9	0	81.8	2	1	78.4	2	1
11	DBW318	HYT-211	77.9	11	1	74.9	15	0	60.4	22	0	75.0	10	1	89.1	2	1	71.4	14	0	79.2	6	0	84.4	1	1	76.5	5	0
12	DBW378	HYT-212	66.0	24	0	78.0	8	1	63.2	16	0	76.1	8	1	88.8	3	1	77.6	5	1	67.8	20	0	62.6	20	0	72.5	14	0
13	WH1405	HYT-213	73.5	15	0	74.0	17	0	62.8	17	0	59.3	23	0	66.8	23	0	66.5	21	0	67.4	21	0	68.9	10	0	67.4	22	0
14	HD3405	HYT-214	70.9	18	0	72.3	20	0	73.6	5	1	79.2	3	1	87.1	5	0	67.8	18	0	69.9	18	0	66.8	17	0	73.5	13	0
15	DBW377	HYT-215	78.3	10	1	78.8	7	1	76.7	2	1	70.0	14	0	83.8	10	0	76.4	10	1	72.5	14	0	74.1	6	0	76.3	8	0
16	PBW869	HYT-216	67.8	23	0	71.5	21	0	54.2	23	0	66.9	18	0	64.0	24	0	66.5	20	0	75.5	11	0	74.3	5	0	67.6	21	0
17	PBW871	HYT-217	88.7	1	1	86.4	1	1	77.1	1	1	77.2	6	1	94.6	1	1	76.9	9	1	84.2	2	1	61.6	23	0	80.8	1	1
18	DBW376	HYT-219	68.0	22	0	71.0	22	0	61.8	19	0	66.1	20	0	63.4	25	0	59.1	24	0	73.8	13	0	70.2	7	0	66.7	23	0
19	DBW373	HYT-220	82.6	7	1	76.0	13	0	67.0	8	0	69.9	15	0	75.1	19	0	80.1	2	1	85.0	1	1	75.1	4	0	76.3	7	0
20	HD3404	HYT-221	74.8	14	0	73.1	19	0	66.9	9	0	77.7	5	1	87.9	4	0	78.4	4	1	78.9	7	0	81.5	3	1	77.4	3	0
21	WH1407	HYT-223	85.1	6	1	80.4	5	1	64.6	14	0	68.6	16	0	75.9	18	0	75.7	11	1	71.9	15	0	69.1	9	0	73.9	12	0
22	PBW870	HYT-224	75.8	13	0	85.4	2	1	60.8	21	0	80.4	2	1	84.8	8	0	81.2	1	1	78.5	8	0	67.1	14	0	76.7	4	0
23	UP3095	HYT-225	73.0	16	0	66.5	23	0	64.8	13	0	70.7	12	0	73.3	21	0	55.3	25	0	83.2	3	1	67.6	13	0	69.3	18	0
24	HD3086 (C)	HYT-218	69.3	20	0	75.8	14	0	61.5	20	0	66.3	19	0	76.0	17	0	61.1	23	0	69.7	19	0	67.0	16	0	68.3	20	0
25	DBW187(I)(C)	HYT-222	88.0	2	1	77.0	10	0	72.9	6	1	78.0	4	1	83.1	11	0	75.6	12	1	71.8	17	0	64.4	18	0	76.3	9	0
G.M.			76.5			75.5			65.4			70.3			79.7			71.8			74.0			68.4			72.7		
S.E.(M)			4.582			3.394			2.972			4.058			2.338			2.877			1.576			2.855			1.133		
C.D. (10%)			11.3			8.4			7.2			9.8			5.7			7.0			3.9			7.1			2.6		
C.V.			8.5			6.4			6.4			8.2			4.2			5.7			3.0			5.9					
D.O.S.(dd.mm.yy)			22.10.20			23.10.20			29.10.20			25.10.20			29.10.20			22.10.20			29.10.20			05.11.20					

No. of Trials : Proposed = 09 Conducted = 09  
Trials not reported (01) = Gurdaspur (LSM)

## Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: SPL-CI-HYT-IR-ES, 2020-21

SN	Variety	Code	Disease Reaction Highest Score				Agronomic Characteristics								Grain Characteristics			
			YI	Br	LB	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HD3412	HYT-201	tR	5S	00	0	95-120	111	137-166	155	80-120	100	40	Ey	A	H	28-47	37
2	DBW375	HYT-202	tR	10S	00	0	66-110	93	117-163	148	80-110	95	25	Ey	A	H	35-61	52
3	DBW374	HYT-203	0	0	00	0	73-113	101	123-166	150	72-98	87	15	Ey	A	H	36-54	46
4	HD3403	HYT-204	tR	5S	00	3	70-109	93	124-163	149	75-105	90	0	Ey	A	H	36-52	41
5	WH1406	HYT-205	0	20S	00	0	76-113	104	127-162	151	74-104	92	5	M	A	H	34-54	42
6	HD3413	HYT-206	tR	10S	00	0	65-108	89	120-163	149	75-108	94	0	Ey	A	H	36-51	43
7	PBW867	HYT-207	0	10S	00	0	77-115	106	128-166	153	78-101	91	5	M	A	H	37-53	43
8	UP3096	HYT-208	0	tS	00	0	72-112	102	126-165	150	78-113	96	0	Ey	A	H	37-53	41
9	WH1404	HYT-209	0	10S	00	0	67-110	94	122-164	148	81-107	93	0	Ey	A	H	38-54	42
10	PBW868	HYT-210	tR	5S	00	0	72-112	97	126-164	149	77-106	93	0	M	A	H	38-60	45
10	DBW318	HYT-211	5S	10S	00	0	67-106	92	119-166	147	73-107	89	0	Ey	A	H	39-52	45
12	DBW378	HYT-212	tR	0	00	0	65-111	90	115-166	145	66-106	87	0	Ey	A	SH-H	36-63	48
13	WH1405	HYT-213	tR	10S	00	0	65-111	90	119-164	147	73-103	93	40	Ey	A	H	37-59	46
14	HD3405	HYT-214	0	30S	57	0	70-113	95	124-162	150	72-109	94	20	Ey	A	H	36-60	45
15	DBW377	HYT-215	0	5S	00	3	72-109	97	125-165	150	77-106	93	10	Ey	A	H	38-61	49
16	PBW869	HYT-216	0	0	00	0	65-113	90	115-163	146	80-109	92	5	Ey	A	H	38-51	43
17	PBW871	HYT-217	0	20S	00	0	67-112	96	119-164	148	74-107	92	15	Ey	A	SH-H	39-55	45
18	DBW376	HYT-219	0	5S	00	0	75-111	102	126-164	151	90-122	105	30	Ey	A	H	39-54	43
19	DBW373	HYT-220	0	5S	00	0	69-108	94	120-163	147	80-108	92	5	Ey	A	H	35-54	41
20	HD3404	HYT-221	0	0	00	0	68-112	94	118-164	147	75-102	89	0	Ey	A	H	36-54	42
21	WH1407	HYT-223	tR	10S	00	0	68-111	94	126-165	151	82-102	91	0	Ey	A	SH-H	39-55	45
22	PBW870	HYT-224	tR	0	00	5	75-113	102	124-164	150	74-103	93	25	Ey	A	H	37-52	42
23	UP3095	HYT-225	0	0	00	5	72-110	99	124-165	149	73-110	92	10	Ey	A	SH-H	31-57	41
24	HD3086 (C)	HYT-218	tR	30S	00	0	66-110	91	117-163	146	67-107	89	0	Ey	A	SH-H	38-52	44
25	DBW187(I) (C)	HYT-222	tR	0	23	5	66-110	93	120-165	149	75-105	93	15	Ey	A	H	40-57	45

1. Ancillary data from BISA-Ladhowal, Delhi, Ludhiana, Gurdaspur, Hisar, Karnal, Modipuram and Pantnagar.
2. Lodging data from Hisar, Karnal and Delhi
3. Yellow rust data from Hisar and Karnal. 4. Brown rust data from Hisar and Pantnagar
5. Powdery mildew and leaf blight data from Pantnagar centre only

**SPL-CI-HYT-IR-ES, 2020-21**  
**North Western Plains Zone**  
**Individual Station Rust Data**

SN	Variety	Code	Yellow rust		Brown rust	
			Hisar	Karnal	Hisar	Pantnagar
1	HD3412	HYT-201	0	tR	5S	tMS
2	DBW375	HYT-202	0	tR	10S	0
3	DBW374	HYT-203	0	0	0	0
4	HD3403	HYT-204	0	tR	5S	0
5	WH1406	HYT-205	0	0	5S	20S
6	HD3413	HYT-206	0	tR	10S	0
7	PBW867	HYT-207	0	0	10S	0
8	UP3096	HYT-208	0	0	tS	0
9	WH1404	HYT-209	0	0	10S	0
10	PBW868	HYT-210	0	tR	5S	5S
10	DBW318	HYT-211	5S	0	10S	0
12	DBW378	HYT-212	0	tR	0	0
13	WH1405	HYT-213	0	tR	10S	5S
14	HD3405	HYT-214	0	0	0	30S
15	DBW377	HYT-215	0	0	0	5S
16	PBW869	HYT-216	0	0	0	0
17	PBW871	HYT-217	0	0	0	20S
18	DBW376	HYT-219	0	0	5S	tS
19	DBW373	HYT-220	0	0	0	5S
20	HD3404	HYT-221	0	0	0	0
21	WH1407	HYT-223	0	tR	10S	0
22	PBW870	HYT-224	0	tR	0	0
23	UP3095	HYT-225	0	0	5S	0
24	HD3086 (C)	HYT-218	0	tR	5S	30S
25	DBW187(l) (C)	HYT-222	0	tR	0	0