

**1965-SPL-CI-HYT-IR-ES-TAS-NWPZ, 2019-20**  
**LOCATIONWISE AND ZONAL MEAN YIELD (q/ha)**

SN	Variety	Code	Delhi			Haryana			Punjab						ZONAL								
			Delhi			Hisar			Karnal			Ludhiana		Gurdaspur		Ladawal (BISA)		Yield RK G					
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	DBW340	HYT-1	80.2	4	1	81.7	4	0	73.6	12	0	77.6	18	0	84.6	9	0	86.8	8	0	80.8	7	0
2	HD3374	HYT-2	59.6	22	0	56.9	21	0	44.6	24	0	66.7	23	0	82.9	11	0	60.2	24	0	61.8	24	0
3	DBW341	HYT-3	76.2	6	1	59.6	15	0	75.9	10	0	83.5	10	1	104.8	3	0	84.0	12	0	80.7	8	0
4	DBW338	HYT-4	72.2	11	0	57.9	18	0	71.2	18	0	89.2	4	1	84.4	10	0	86.4	9	0	76.9	13	0
5	PBW846	HYT-5	74.2	8	0	98.8	2	1	76.0	9	0	84.0	9	1	70.9	15	0	90.3	6	1	82.3	5	0
6	WH1285	HYT-6	63.5	21	0	58.7	16	0	49.4	23	0	75.0	19	0	69.7	16	0	69.9	22	0	64.4	23	0
7	HD3375	HYT-7	70.4	13	0	65.3	11	0	72.3	16	0	88.9	5	1	72.6	14	0	79.3	17	0	74.8	14	0
8	HD3373	HYT-8	85.5	2	1	57.9	18	0	88.5	1	1	83.3	11	1	103.1	4	0	89.0	7	1	84.6	3	0
9	DBW337	HYT-9	65.3	19	0	90.6	3	0	75.3	11	0	78.8	16	0	65.5	20	0	97.8	1	1	78.9	9	0
10	PBW847	HYT-10	69.2	14	0	99.1	1	1	72.9	14	0	90.0	2	1	107.4	2	1	95.5	3	1	89.0	1	1
11	UP3066	HYT-12	59.5	23	0	58.7	16	0	77.8	8	0	64.8	24	0	59.6	22	0	79.9	16	0	66.7	20	0
12	UP3068	HYT-13	67.8	16	0	65.3	11	0	83.5	3	1	89.8	3	1	72.7	13	0	83.0	14	0	77.0	12	0
13	PBW844	HYT-14	79.1	5	1	65.3	10	0	82.5	4	1	90.8	1	1	88.8	7	0	94.8	4	1	83.6	4	0
14	DBW339	HYT-15	74.4	7	0	69.1	9	0	73.3	13	0	87.5	6	1	92.3	5	0	92.3	5	1	81.5	6	0
15	DBW299	HYT-16	66.7	18	0	77.8	6	0	72.6	15	0	82.8	12	1	41.4	25	0	85.8	10	0	71.2	18	0
16	DBW336	HYT-18	72.6	10	0	71.3	7	0	80.4	5	1	78.5	17	0	81.2	12	0	85.2	11	0	78.2	10	0
17	WH1287	HYT-20	67.1	17	0	55.5	22	0	71.7	17	0	79.5	15	0	88.3	8	0	75.5	19	0	72.9	15	0
18	WH1286	HYT-21	64.1	20	0	63.6	14	0	79.6	6	0	70.8	21	0	110.8	1	1	80.0	15	0	78.2	11	0
19	PBW843	HYT-22	72.8	9	0	44.7	25	0	87.4	2	1	87.4	7	1	64.5	21	0	74.8	20	0	71.9	16	0
20	HD3379	HYT-23	84.3	3	1	57.2	20	0	51.1	22	0	69.5	22	0	65.9	18	0	64.5	23	0	65.4	21	0
21	DBW281	HYT-24	71.1	12	0	64.0	13	0	66.8	19	0	74.3	20	0	67.8	17	0	83.3	13	0	71.2	17	0
22	UP3067	HYT-25	56.1	24	0	47.4	23	0	64.1	21	0	81.9	13	1	65.9	19	0	71.9	21	0	64.6	22	0
23	DBW187 (C)	HYT-11	86.5	1	1	79.2	5	0	79.4	7	0	87.2	8	1	90.2	6	0	95.9	2	1	86.4	2	1
24	HD3086 (C)	HYT-17	69.0	15	0	70.7	8	0	65.8	20	0	81.8	14	0	58.7	23	0	78.0	18	0	70.7	19	0
25	HD2967 (C)	HYT-19	55.4	25	0	46.4	24	0	36.4	25	0	62.3	25	0	43.5	24	0	58.3	25	0	50.4	25	0
G.M.			70.5			66.5			70.9			80.2			77.5			81.7			74.6		
S.E.(M)			4.351			2.964			3.650			5.586			2.928			3.993			1.639		
C.D. (10%)			10.7			7.2			8.8			13.5			7.1			9.9			3.8		
C.V.			8.7			6.3			7.3			9.8			5.3			6.9					
D.O.S.(dd.mm.yy)			25.10.19			30.10.19			25.10.19			22.10.19			24.10.19			21.10.19					

No. of Trials : Proposed = 07 Conducted = 07  
Trials not reported (01) = Pantnagar (LSM)

## Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: SPL-CI-HYT-IR-ES, 2019-20

SN	Variety	Code	Disease Reaction					Agronomic Characteristics								Grain Characteristics			
			YI	ACI	Br	ACI	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	DBW340	HYT-1	20S	5.1	10S	3.7	0	104-119	113	150-179	164	82-112	101	15	Ey	A	H	40-47	43
2	HD3374	HYT-2	20S	7.3	40S	15.0	0	109-133	122	157-178	166	87-119	108	20	Ey	A	H	32-47	38
3	DBW341	HYT-3	10S	5.6	20S	7.5	6	94-115	105	153-176	161	80-108	99	25	Ey	A	H	37-52	46
4	DBW338	HYT-4	5S	1.1	10S	2.5	0	99-121	109	151-180	160	95-111	104	15	Ey	A	H	32-58	43
5	PBW846	HYT-5	25S	4.6	5S	1.3	4	97-117	107	150-180	161	81-111	99	10	Ey	A	SH	35-49	43
6	WH1285	HYT-6	30S	11.4	5S	1.2	0	106-129	115	150-180	162	80-107	101	40	Ey	A	H	31-45	37
7	HD3375	HYT-7	40S	9.4	20S	9.0	0	96-116	102	148-178	159	85-113	99	10	Ey	A	H	35-51	42
8	HD3373	HYT-8	25S	7.6	20S	7.5	0	106-129	115	152-181	163	87-110	105	25	Ey	A	H	31-45	39
9	DBW337	HYT-9	20S	4.6	1S	0.2	4	102-116	107	152-178	160	93-117	103	5	Ey	A	H	35-50	41
10	PBW847	HYT-10	10S	2.9	5S	1.2	0	90-104	98	148-176	158	87-112	100	20	Ey	A	H	30-47	38
10	UP3066	HYT-12	20S	10.4	40S	11.5	0	97-117	108	151-176	158	86-115	100	15	Ey	A	H	34-46	40
12	UP3068	HYT-13	10S	1.5	10S	5.0	0	93-119	103	150-179	159	90-110	99	10	Ey	A	H	35-44	38
13	PBW844	HYT-14	20MS	3.7	20S	5.2	0	95-114	104	146-178	158	87-115	98	35	Ey	A	H	37-47	43
14	DBW339	HYT-15	5S	1.2	0	0.0	5	100-117	108	150-178	161	100-116	108	15	Ey	A	H	35-47	41
15	DBW299	HYT-16	0	0.0	5S	3.7	0	97-123	107	151-178	158	102-118	107	15	Ey	A	H	36-50	45
16	DBW336	HYT-18	25S	5.7	5S	2.5	5	95-116	104	149-177	159	90-115	99	10	Ey	A	H	26-48	39
17	WH1287	HYT-20	5MS	0.9	20S	6.0	0	104-119	113	152-179	161	90-119	103	15	Ey	A	H	34-43	39
18	WH1286	HYT-21	20S	8.0	5S	1.2	0	99-122	112	151-178	161	92-113	101	20	Ey	A	H	41-49	45
19	PBW843	HYT-22	0	0.0	10S	2.5	4	114-132	122	156-178	166	86-112	102	30	Ey	A	H	38-49	45
20	HD3379	HYT-23	20S	13.7	5S	1.2	0	113-131	122	153-180	163	75-117	103	20	Ey	A	H	28-47	37
21	DBW281	HYT-24	20S	5.0	40S	11.5	0	90-114	99	147-177	157	73-107	92	15	Ey	A	H	32-43	38
22	UP3067	HYT-25	20MS	3.0	40S	12.7	0	95-116	103	151-176	159	75-110	97	35	Ey	A	H	32-45	40
23	DBW187 (C)	HYT-11	10S	1.7	10S	3.7	0	94-116	102	150-179	159	83-110	98	15	Ey	A	H	39-49	44
24	HD3086 (C)	HYT-17	20S	7.9	40S	15.2	0	94-132	104	147-176	157	86-109	95	5	Ey	A	H	32-43	38
25	HD2967 (C)	HYT-19	40S	23.7	20S	5.0	0	115-133	124	158-178	166	88-113	104	40	Ey	A	H	29-42	35

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

**SPL-CI-HYT-IR-ES, 2019-20**  
**North Western Plains Zone**  
**Individual Station Rust Data**

SN	Variety	Code	Yellow rust							Brown rust			
			Ludhiana	Pantnagar	Hisar	Delhi	Gurdaspur	Karnal	Ladowal	Ludhiana	Pantnagar	Hisar	Delhi
1	DBW340	HYT-1	0	0	0	0	0	20MS	20S	10S	0	5S	0
2	HD3374	HYT-2	0	5S	0	0	10S	20MS	20S	40S	5S	5S	10S
3	DBW341	HYT-3	5S	5S	10S	5S	0	5MS	10S	20S	0	10S	0
4	DBW338	HYT-4	0	tS	0	0	5MR	0	5S	0	0	10S	0
5	PBW846	HYT-5	0	5S	0	0	5MR	0	25S	tR	0	5S	0
6	WH1285	HYT-6	10S	5S	0	5S	10S	20S	30S	0	0	5S	0
7	HD3375	HYT-7	40S	0	0	0	0	20MS	10S	20S	tS	10S	5S
8	HD3373	HYT-8	10S	0	0	0	10S	10MS	25S	20S	0	10S	0
9	DBW337	HYT-9	5MR	0	0	0	20S	0	10S	0	0	tS	0
10	PBW847	HYT-10	0	0	0	0	10S	0	10S	0	0	5S	0
10	UP3066	HYT-12	10S	5S	0	0	20S	20MS	20S	40S	tS	5S	0
12	UP3068	HYT-13	0	0	0	0	0	tR	10S	10S	0	10S	0
13	PBW844	HYT-14	0	0	0	0	5S	20MS	5S	20S	0	tS	0
14	DBW339	HYT-15	5MR	tMS	0	0	0	tMS	5S	0	0	0	0
15	DBW299	HYT-16	0	0	0	0	0	0	0	5S	5S	5S	0
16	DBW336	HYT-18	0	5S	0	0	10S	0	25S	0	5S	5S	0
17	WH1287	HYT-20	0	0	0	0	5MR	5MS	0	0	5MS	20S	0
18	WH1286	HYT-21	10S	0	0	0	5S	20MS	20S	0	0	5S	0
19	PBW843	HYT-22	0	0	0	0	0	0	0	10S	0	0	0
20	HD3379	HYT-23	20S	10S	0	5S	20S	20MS	15S	0	0	5S	0
21	DBW281	HYT-24	0	10S	0	0	5S	20S	0	40S	tS	5S	0
22	UP3067	HYT-25	0	0	0	0	5S	20MS	0	40S	tS	10S	0
23	DBW187 (C)	HYT-11	0	0	0	0	10S	5MR	0	5S	0	10S	0
24	HD3086 (C)	HYT-17	0	5S	0	0	10S	20S	20S	40S	tS	20S	0
25	HD2967 (C)	HYT-19	40S	10S	20S	0	40S	20MS	40S	0	0	20S	0