1964-SPL-HYPT-IR-TS-TAS-NWPZ, 2019-20
LOCATIONWISE AND ZONAL MEAN YIELD (q/ha)

SN	Variety	Code	Delhi			Haryana						Punjab						Uttrakhand			ZONAL		
			Delhi			Hisar			Karnal			Ludhiana			Ladowal (BISA)			Pantnagar					
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	DBW303*	HYPT-104	78.5	3	1	75.9	3	0	91.3	1	1	88.6	1	1	85.0	2	1	73.5	4	0	82.1	1	1
2	DBW187*	HYPT-106	68.4	13	0	65.5	12	0	87.7	4	1	71.9	11	0	86.5	1	1	54.6	14	0	72.4	10	0
3	WH1270*	HYPT-110	71.3	11	0	65.8	11	0	84.2	5	1	83.1	2	1	72.9	12	0	61.7	8	0	73.2	9	0
4	DBW327	HYPT-101	79.1	1	1	72.4	5	0	87.7	3	1	77.5	9	1	80.6	6	0	79.9	1	1	79.6	4	0
5	DBW332	HYPT-103	76.3	6	1	77.6	2	1	82.5	9	1	81.8	5	1	80.3	7	0	79.6	2	1	79.7	3	1
6	DBW329	HYPT-107	77.2	5	1	74.8	4	0	83.8	7	1	72.7	10	0	82.5	4	1	61.7	9	0	75.4	6	0
7	WH1252	HYPT-108	74.5	7	1	68.9	7	0	84.1	6	1	82.8	4	1	79.6	8	0	67.2	6	0	76.2	5	0
8	HD3378	HYPT-109	78.8	2	1	64.5	13	0	65.9	13	0	78.1	8	1	73.4	11	0	67.6	5	0	71.4	12	0
9	DBW333	HYPT-111	78.2	4	1	82.0	1	1	88.1	2	1	71.2	12	0	80.7	5	1	77.8	3	0	79.7	2	1
10	DBW330	HYPT-112	73.7	9	1	66.3	10	0	83.3	8	1	78.8	7	1	79.2	10	0	61.2	10	0	73.7	8	0
11	DBW328	HYPT-113	70.2	12	0	72.2	6	0	81.8	10	0	82.9	3	1	83.7	3	1	56.7	12	0	74.6	7	0
12	DBW331	HYPT-114	72.0	10	0	67.1	9	0	74.2	12	0	80.1	6	1	79.4	9	0	58.0	11	0	71.8	11	0
13	HD3086(C)	HYPT-102	74.0	8	1	67.5	8	0	75.7	11	0	66.5	13	0	70.9	13	0	64.1	7	0	69.8	13	0
14	HD2967 (C)	HYPT-105	62.9	14	0	58.5	14	0	52.4	14	0	66.3	14	0	55.9	14	0	56.1	13	0	58.7	14	0
G.M.			73.9			69.9			80.2			77.3			77.9			65.7			74.2		
S.E.(M)			2.411			1.825			3.234			4.272			2.039			0.548			1.084		
C.D. (10%)			6.9			5.2			9.3			12.2			5.8			1.6			2.5		
C.V.			6.5			5.2			8.1			11.1			5.2			1.7					
D.O.S.(dd.mm.yy)			25.10.19			30.10.19			25.10.19			22.10.19			21.10.19			04.11.19					

No. of Trials : Proposed = 07 Conducted = 07

Trials not reported (01) = Gurdaspur (LSM)

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone **Trial: SPL-HYPT-ES-TS-TAS, 2019-20**

SN	Variety	Code	Disease Reaction					Agronomic Characteristics								Grain Characteristics			
			Br	YI	ACI	PM	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	DBW303*	HYPT-104	0	10S	2	0	00	92-114	101	149-176	157	75-118	99	15	Ey	A	SH	37-42	40
2	DBW187*	HYPT-106	0	10S	2	5	00	95-116	102	152-177	159	91-119	102	25	Ey	A	SH	39-51	45
3	WH1270 *	HYPT-110	0	10S	3.3	0	00	92-107	97	145-177	156	95-113	102	20	Ey	A	H	38-49	44
4	DBW327	HYPT-101	0	5S	1.3	0	00	91-105	98	146-177	156	93-118	101	10	Ey	A	H	37-54	47
5	DBW332	HYPT-103	0	10S	1.8	0	00	91-118	102	146-179	159	70-113	98	15	Ey	A	H	35-50	43
6	DBW329	HYPT-107	0	20S	3.7	0	00	93-112	102	147-177	157	83-105	97	20	Ey	A	SH	38-45	42
7	WH1252	HYPT-108	0	5S	0.8	0	00	92-118	101	147-178	157	86-116	99	20	Ey	A	H	44-49	45
8	HD3378	HYPT-109	0	25S	12.8	0	00	104-122	113	150-181	161	102-115	110	25	Ey	A	SH	35-47	40
9	DBW333	HYPT-111	0	5MR	0.3	0	00	79-101	89	144-176	154	80-110	94	15	Ey	A	H	41-49	45
10	DBW330	HYPT-112	0	10S	6.8	0	00	97-114	103	151-176	158	94-117	104	15	Ey	A	SH	42-52	45
10	DBW328	HYPT-113	5S	10S	1.7	7	00	93-107	101	147-181	158	88-112	101	20	Ey	A	H	42-53	47
12	DBW331	HYPT-114	10S	15S	2.83	0	13	97-118	107	147-178	159	96-112	104	30	Ey	A	SH	36-42	39
13	HD3086 (C)	HYPT-102	0	10S	5.3	0	00	92-106	98	148-176	156	90-112	99	15	Ey	A	SH	37-44	41
14	HD2967 (C)	HYPT-105	20S	40S	21.2	0	00	108-133	120	157-177	165	90-116	107	35	Ey	A	H	34-48	39

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

Individual Station Rust Data

	Variety	Code	Yellow rust						Brown rust	
			Ludhiana	Pantnagar	Hisar	Delhi	Karnal	Ladowal	Pantnagar	Hisar
1	DBW303*	HYPT-104	0	0	0	0	5MR	10S	0	0
2	DBW187*	HYPT-106	0	0	0	0	5MR	10S	0	0
3	WH1270 *	HYPT-110	0	0	5MR	0	10MS	10S	0	0
4	DBW327	HYPT-101	5S	tMS	0	0	5MR	0	0	0
5	DBW332	HYPT-103	0	0	0	0	tMS	10S	0	0
6	DBW329	HYPT-107	0	0	0	0	5MR	20S	0	0
7	WH1252	HYPT-108	0	0	0	0	0	5S	0	0
8	HD3378	HYPT-109	0	0	20S	0	40MS	25S	0	0
9	DBW333	HYPT-111	0	0	0	0	5MR	0	0	0
10	DBW330	HYPT-112	5S	0	5S	5S	20MS	10S	0	0
10	DBW328	HYPT-113	0	0	0	0	tR	10S	0	5S
12	DBW331	HYPT-114	0	0	0	0	5MR	15S	0	10S
13	HD3086 (C)	HYPT-102	10S	tMS	0	0	20MS	5S	0	0
14	HD2967 (C)	HYPT-105	5S	0	40S	10S	40MS	40S	20S	0