

NATIONAL INITIAL VARIETAL TRIALS

All entries received for initial varietal screening in the coordinated trials were examined for important quality parameters like grain appearance score, grain protein content (on 12 % moisture basis), sedimentation value and hectolitre weight. In addition, the durum entries were also evaluated for yellow berry incidence and yellow pigments content. There were eight such multi-zone trials and one IVT trial of NHZ, the results of which are discussed below:

NIVT 1A (Irrigated Timely Sown) – Table 1-5

In this trial, 36 entries were evaluated from 5 locations (Ludhiana, Hisar, Durgapura, Delhi and Pantnagar) in NWPZ and 4 locations (Pusa, Kanpur, Varanasi and Sabour) in NEPZ.

NIVT 1B (Irrigated Timely Sown) – Table 6-10

In this trial, 36 genotypes were evaluated from 5 locations of NWPZ (Ludhiana, Hisar, Durgapura, Pantnagar and Delhi) and 4 locations of NEPZ (Kanpur, Pusa, Sabour and Varanasi).

NIVT 2 (Irrigated Timely Sown) – Table 11-15

In this trial, 36 entries were evaluated from 4 locations (Indore, Junagarh, Powarkheda and Vijapur) in CZ and 5 locations (Pune, Dharwad, and Niphad) in PZ.

NIVT 3A (Irrigated Late Sown) – Table 16-20

In this trial, 36 entries were evaluated from 5 locations in NWPZ (Pantnagar, Ludhiana, Hisar, Delhi, Durgapura and Karnal) and 3 locations in NEPZ (Kanpur, Samastipur and Varanasi).

NIVT 3B (Irrigated Late Sown) – Table 21-24

In this trial 36 entries were evaluated from 4 locations (Indore, Vijapur, Junagarh and Powarkheda) in CZ and 3 locations (Pune, Dharwad and Niphad) in PZ

NIVT 4 (Irrigated Timely Sown – *T. durum*) – Table 25-30

In this trial, 25 entries were evaluated from 4 locations (Indore, Junagarh, Powarkheda and Vijapur) in CZ and 5 locations (Pune, Dharwad, and Niphad) in PZ

NIVT 5A (Restricted Irrigated Timely Sown) – Table 31-35

In this trial, 25 genotypes were evaluated from 4 locations (Ludhiana, Hisar, Delhi and Pantnagar) in NWPZ and 4 locations (Kanpur, Samastipur and Varanasi) in NEPZ

NIVT 5B (Restricted Irrigated Timely Sown) – *T. aestivum* and *T. durum*) – Table 36-41

In this trial, 25 entries were evaluated from 4 locations (Vijapur, Indore, Powarkheda and Junagarh) in CZ and 4 locations (Pune, Dharwad, and Niphad) in PZ.

Table 1: Grain appearance score (Max. 10) of *T. aestivum* genotypes in NIVT-1A

S. No.	Entry	Trial Code	NWPZ						NEPZ					Overall Mean
			Ludhiana	Hisar	Durgapura	Delhi	Pantnagar	Mean	Pusa	Kanpur	Varanasi	Sabour	Mean	
1	Raj4548	101	5.9	6.4	5.8	5.4	6.0	5.9	5.7	5.7	6.0	5.6	5.8	5.8
2	UP3052	102	5.7	5.6	5.7	5.7	5.8	5.7	5.8	5.9	5.7	4.9	5.6	5.6
3	HD3348	103	5.0	5.0	5.0	4.8	4.9	4.9	5.0	4.9	5.0	4.8	4.9	4.9
4	DBW334	104	5.4	6.0	5.3	5.1	5.6	5.5	5.7	5.6	5.4	5.2	5.5	5.5
5	UP3053	105	5.9	6.0	5.4	5.5	6.2	5.8	5.6	5.8	6.1	5.4	5.7	5.8
6	HUW 839	106	6.3	6.2	5.9	6.0	5.9	6.1	5.6	6.2	5.9	5.2	5.7	5.9
7	K1901	107	6.2	6.0	5.8	5.5	6.0	5.9	5.7	5.7	5.4	5.4	5.6	5.7
8	HD3352	108	6.3	6.2	6.1	5.6	6.3	6.1	5.6	5.7	5.8	5.3	5.6	5.9
9	KRL1810	109	5.7	5.8	5.2	5.9	6.1	5.7	5.2	6.4	4.9	4.8	5.3	5.6
10	DBW309	110	5.6	6.0	5.6	5.7	5.7	5.7	5.8	6.0	5.8	5.4	5.7	5.7
11	PBW828	111	7.2	6.2	5.8	6.1	6.3	6.3	5.8	6.6	6.0	5.7	6.0	6.2
12	K1006 (C)	112	5.1	5.4	5.2	5.9	6.5	5.6	5.4	6.2	6.4	5.6	5.9	5.7
13	HD3349	113	5.9	6.4	5.8	5.2	5.6	5.8	5.7	5.3	5.4	5.4	5.4	5.6
14	PBW841	114	5.8	5.8	5.0	5.7	5.6	5.6	5.4	5.3	5.6	5.1	5.3	5.5
15	HD2967 (C)	115	5.6	5.8	5.5	5.6	5.5	5.6	5.5	5.5	5.8	5.2	5.5	5.5
16	PBW829	116	7.0	5.0	5.8	6.5	5.9	6.0	6.4	6.1	6.0	5.8	6.1	6.0
17	DBW308	117	7.2	5.8	5.9	6.0	6.6	6.3	5.7	7.5	6.5	5.9	6.4	6.3
18	AAI-W29	118	4.7	5.8	5.6	5.3	5.6	5.4	5.2	5.0	5.4	4.1	4.9	5.2
19	HD3353	119	5.7	5.2	5.3	5.7	5.9	5.6	5.3	5.2	5.4	4.8	5.2	5.4
20	DBW306	120	5.8	6.4	5.4	5.6	5.5	5.7	5.5	5.4	5.6	5.4	5.5	5.6
21	WH1284	121	7.8	6.2	5.8	5.8	7.8	6.7	5.7	5.9	5.9	5.5	5.7	6.3
22	UP3051	122	6.4	5.4	5.7	5.7	6.1	5.9	6.1	5.8	5.8	5.6	5.8	5.8
23	WH1272	123	5.4	5.4	5.7	5.2	5.5	5.4	5.7	5.5	5.1	5.1	5.3	5.4
24	HD3350	124	5.6	6.2	5.6	5.7	5.8	5.8	5.7	5.6	5.4	5.2	5.5	5.6
25	HD3086 (C)	125	5.8	6.0	5.6	6.4	6.1	6.0	6.0	5.9	6.0	5.5	5.8	5.9
26	Raj4547	126	5.3	5.0	5.3	5.3	5.7	5.3	5.4	5.4	5.0	4.8	5.1	5.2
27	UP3054	127	7.5	6.4	5.7	6.3	6.6	6.5	6.0	7.8	6.0	6.0	6.5	6.5
28	NW7079	128	5.7	5.8	5.7	5.5	5.7	5.7	5.6	5.7	5.6	5.4	5.6	5.6
29	PBW827	129	5.7	6.0	5.6	5.9	6.2	5.9	5.6	6.3	6.1	6.2	6.0	6.0
30	HD3351	130	6.4	6.0	6.0	7.2	7.2	6.5	6.6	6.2	6.5	5.7	6.2	6.4
31	DBW187 (C)	131	5.9	5.8	5.0	5.5	5.8	5.6	5.4	5.5	5.8	5.4	5.5	5.6
32	PBW826	132	6.2	6.4	6.2	6.0	7.4	6.4	5.9	5.9	5.8	5.9	5.9	6.2
33	Raj4546	133	6.7	6.0	6.1	5.9	6.4	6.2	5.6	5.9	5.8	6.4	5.9	6.1
34	WH1273	134	5.7	5.0	5.1	6.0	5.6	5.5	5.7	5.8	5.5	5.0	5.5	5.5
35	DBW307	135	5.8	5.2	5.3	5.8	5.7	5.5	5.4	5.6	5.5	5.4	5.5	5.5
36	WH1271	136	5.9	5.4	5.8	5.7	6.2	5.8	5.4	6.0	5.6	5.6	5.6	5.7
Mean			6.0	5.8	5.6	5.7	6.0	5.8	5.6	5.8	5.7	5.4	5.6	5.7

Table 2: Hectolitre weight (kg/hl) of *T. aestivum* genotypes in NIVT-1A

S. No.	Entry	Trial Code	NWPZ					NEPZ					Overall Mean	
			Ludhiana	Hisar	Durgapura	Delhi	Pantnagar	Mean	Pusa	Kanpur	Varanasi	Sabour		Mean
1	Raj4548	101	78.8	80.2	74.5	76.0	79.5	77.8	77.5	76.3	78.0	70.3	75.5	76.8
2	UP3052	102	78.0	76.2	74.0	77.3	78.3	76.7	76.8	76.3	74.3	65.5	73.2	75.2
3	HD3348	103	77.0	78.7	73.3	75.0	78.5	76.5	74.5	75.5	74.8	67.0	72.9	74.9
4	DBW334	104	77.0	78.0	72.8	75.3	77.0	76.0	75.8	75.0	74.0	67.3	73.0	74.7
5	UP3053	105	78.5	81.0	71.0	76.3	75.3	76.4	76.5	75.3	77.0	68.3	74.3	75.4
6	HUW 839	106	80.8	81.0	76.5	78.3	80.3	79.4	76.5	77.0	76.8	67.5	74.4	77.2
7	K1901	107	80.5	78.0	77.8	78.5	80.8	79.1	77.8	75.8	75.3	68.5	74.3	77.0
8	HD3352	108	79.8	80.0	76.5	76.8	79.3	78.5	76.0	74.3	76.3	66.5	73.3	76.1
9	KRL1810	109	77.3	76.2	67.0	76.0	77.8	74.8	73.5	75.8	70.8	61.5	70.4	72.9
10	DBW309	110	79.8	81.0	76.3	77.8	79.0	78.8	77.8	77.0	78.0	71.3	76.0	77.5
11	PBW828	111	78.8	80.0	74.0	77.5	78.3	77.7	78.3	75.8	75.8	70.5	75.1	76.5
12	K1006 (C)	112	73.5	76.2	71.8	77.5	80.5	75.9	78.5	75.5	79.0	72.3	76.3	76.1
13	HD3349	113	78.8	80.0	74.0	74.3	79.0	77.2	76.8	74.5	76.5	69.5	74.3	75.9
14	PBW841	114	79.5	78.0	71.5	76.3	78.3	76.7	76.0	72.5	75.3	67.0	72.7	74.9
15	HD2967 (C)	115	76.0	79.0	74.3	77.0	77.0	76.7	76.3	75.0	75.3	70.8	74.3	75.6
16	PBW829	116	81.0	78.0	75.0	77.5	79.0	78.1	77.3	75.5	76.0	71.3	75.0	76.7
17	DBW308	117	80.0	76.7	73.5	76.3	79.3	77.1	76.8	75.3	78.5	71.5	75.5	76.4
18	AAI-W29	118	70.0	78.5	75.0	75.3	77.0	75.2	74.8	74.0	74.5	66.3	72.4	73.9
19	HD3353	119	77.0	75.0	71.5	77.3	77.5	75.7	76.5	73.0	75.8	65.8	72.8	74.4
20	DBW306	120	77.0	77.5	71.3	77.3	77.3	76.1	76.8	76.0	76.8	67.8	74.3	75.3
21	WH1284	121	79.5	80.2	75.5	77.5	79.0	78.3	78.3	75.5	76.0	70.5	75.1	76.9
22	UP3051	122	79.3	79.0	73.8	77.5	81.3	78.2	78.5	76.5	77.0	70.8	75.7	77.1
23	WH1272	123	77.5	77.2	76.8	75.5	77.0	76.8	76.3	75.8	73.8	67.3	73.3	75.2
24	HD3350	124	78.0	80.0	73.3	76.3	79.0	77.3	76.5	74.3	74.8	67.5	73.3	75.5
25	HD3086 (C)	125	76.0	80.3	74.0	78.5	78.8	77.5	77.8	75.5	77.8	69.0	75.0	76.4
26	Raj4547	126	76.0	76.0	72.3	75.8	77.5	75.5	76.5	76.3	73.0	64.8	72.6	74.2
27	UP3054	127	80.0	80.6	73.3	77.5	80.3	78.3	77.3	77.5	78.3	71.8	76.2	77.4
28	NW7079	128	79.0	79.2	75.3	76.0	78.8	77.6	76.0	73.8	75.5	68.5	73.4	75.8
29	PBW827	129	78.3	79.5	72.3	76.8	79.0	77.2	77.5	76.3	77.0	70.0	75.2	76.3
30	HD3351	130	78.0	80.3	76.3	78.5	81.0	78.8	77.5	76.8	76.8	68.8	74.9	77.1
31	DBW187 (C)	131	78.3	77.8	70.5	75.5	79.0	76.2	76.5	75.0	77.3	69.5	74.6	75.5
32	PBW826	132	79.5	81.5	75.5	77.8	80.3	78.9	79.0	78.0	78.5	70.8	76.6	77.9
33	Raj4546	133	80.0	78.0	77.8	78.8	79.8	78.9	77.5	77.0	77.3	72.8	76.1	77.6
34	WH1273	134	77.0	77.2	69.0	77.8	76.8	75.5	75.8	74.8	75.3	66.5	73.1	74.4
35	DBW307	135	79.0	79.5	72.3	78.5	78.5	77.6	77.0	76.8	77.3	69.5	75.1	76.5
36	WH1271	136	78.5	80.0	75.3	76.5	79.3	77.9	76.5	76.3	75.5	70.8	74.8	76.5
Mean			78.1	78.8	73.7	76.9	78.7	77.2	76.8	75.6	76.1	68.7	74.3	75.9

Table 3: Protein content (%) at 12% moisture basis of *T. aestivum* genotypes in NIVT-1A

S. No.	Entry	Trial Code	NWPZ					NEPZ					Overall Mean	
			Ludhiana	Hisar	Durgapura	Delhi	Pantnagar	Mean	Pusa	Kanpur	Varanasi	Sabour		Mean
1	Raj4548	101	9.9	11.4	12.5	13.4	10.6	11.6	13.6	11.0	9.3	12.5	11.6	11.6
2	UP3052	102	9.5	11.9	13.2	12.9	9.7	11.4	10.4	11.1	10.3	12.6	11.1	11.3
3	HD3348	103	11.4	10.5	12.6	13.3	10.1	11.6	12.3	11.2	9.6	12.8	11.5	11.5
4	DBW334	104	12.3	11.3	13.0	13.5	9.7	12.0	12.4	11.6	9.6	12.5	11.5	11.8
5	UP3053	105	9.5	11.4	14.5	13.7	11.6	12.1	13.4	11.6	9.3	13.3	11.9	12.0
6	HUW 839	106	9.7	10.6	13.2	13.2	10.3	11.4	13.3	11.5	9.9	12.5	11.8	11.6
7	K1901	107	11.6	13.6	13.6	15.1	11.0	13.0	13.7	12.2	10.6	12.2	12.2	12.6
8	HD3352	108	9.8	11.9	13.0	14.1	9.0	11.6	12.4	12.1	8.9	12.8	11.5	11.5
9	KRL1810	109	10.2	10.6	13.9	12.8	10.4	11.6	14.2	11.4	10.6	13.0	12.3	11.9
10	DBW309	110	13.2	12.1	13.5	14.1	11.4	12.9	11.9	12.2	10.7	12.4	11.8	12.4
11	PBW828	111	12.5	11.3	12.8	12.6	9.0	11.6	13.1	11.4	10.2	11.0	11.4	11.6
12	K1006 (C)	112	12.5	12.1	12.4	13.7	10.0	12.1	12.5	11.2	8.6	12.3	11.1	11.7
13	HD3349	113	10.0	12.1	12.9	14.0	11.1	12.0	13.6	11.0	9.7	11.9	11.5	11.8
14	PBW841	114	10.0	11.8	13.9	12.4	9.8	11.6	14.2	12.4	9.3	12.0	12.0	11.7
15	HD2967 (C)	115	10.9	11.9	13.6	14.6	9.7	12.2	13.7	13.5	10.0	13.0	12.5	12.3
16	PBW829	116	14.3	11.8	14.4	14.3	10.0	13.0	14.1	12.8	9.6	12.2	12.2	12.6
17	DBW308	117	10.7	12.9	14.6	14.6	11.8	12.9	13.8	12.5	9.0	12.3	11.9	12.5
18	AAI-W29	118	11.7	11.1	14.8	14.9	9.3	12.4	14.6	14.0	10.3	15.8	13.7	13.0
19	HD3353	119	9.6	12.0	13.5	12.8	9.4	11.5	12.7	11.5	9.2	12.4	11.5	11.5
20	DBW306	120	11.8	11.8	13.6	13.8	13.2	12.8	12.0	11.8	10.1	12.4	11.6	12.3
21	WH1284	121	12.6	12.0	12.7	13.8	9.6	12.1	13.7	11.9	10.0	11.6	11.8	12.0
22	UP3051	122	10.6	11.1	13.7	13.7	11.3	12.1	12.2	11.9	9.4	12.7	11.6	11.9
23	WH1272	123	11.8	11.6	12.4	13.6	9.5	11.8	13.7	11.0	9.5	11.0	11.3	11.6
24	HD3350	124	11.4	12.1	12.9	13.4	10.3	12.0	11.4	12.0	9.4	12.5	11.3	11.7
25	HD3086 (C)	125	12.5	11.6	13.5	13.2	10.4	12.2	11.9	11.9	8.9	12.8	11.4	11.9
26	Raj4547	126	12.7	12.8	14.0	13.3	10.6	12.7	12.5	11.4	9.9	12.5	11.6	12.2
27	UP3054	127	11.6	11.3	13.2	13.3	9.9	11.8	12.3	11.1	9.1	11.4	11.0	11.5
28	NW7079	128	11.8	11.9	12.6	13.5	10.4	12.0	12.7	10.4	8.8	11.2	10.8	11.5
29	PBW827	129	13.6	11.6	14.7	14.4	9.6	12.8	14.1	12.5	10.7	12.0	12.3	12.6
30	HD3351	130	12.4	11.3	13.3	13.9	9.2	12.0	12.7	11.8	9.5	12.5	11.6	11.8
31	DBW187 (C)	131	9.4	12.2	13.6	14.6	9.4	11.9	11.8	12.1	8.5	12.1	11.1	11.5
32	PBW826	132	12.9	10.6	12.1	13.2	10.5	11.9	12.7	11.0	10.4	13.2	11.8	11.8
33	Raj4546	133	11.2	14.5	13.2	14.7	10.8	12.9	14.2	12.2	9.9	13.7	12.5	12.7
34	WH1273	134	10.8	11.3	14.5	12.8	10.1	11.9	12.4	11.8	9.6	14.0	11.9	11.9
35	DBW307	135	10.7	11.3	13.1	14.0	11.6	12.1	13.6	12.0	9.4	11.8	11.7	11.9
36	WH1271	136	10.5	10.5	14.1	14.4	10.7	12.0	14.3	12.5	10.4	12.3	12.4	12.2
Mean			11.3	11.7	13.4	13.7	10.3	12.1	13.0	11.8	9.7	12.5	11.7	11.9

Table 4: Sedimentation value (ml) of *T. aestivum* genotypes in NIVT-1A

S. No.	Entry	Trial Code	NWPZ						NEPZ					Overall Mean
			Ludhiana	Hisar	Durgapura	Delhi	Pantnagar	Mean	Pusa	Kanpur	Varanasi	Sabour	Mean	
1	Raj4548	101	40	56	57	48	45	49	49	45	50	50	48	49
2	UP3052	102	37	62	58	48	48	50	51	44	45	52	48	49
3	HD3348	103	37	59	57	49	51	50	54	51	53	54	53	51
4	DBW334	104	42	58	56	47	51	51	52	51	46	52	50	50
5	UP3053	105	47	62	52	49	56	53	51	53	58	51	53	53
6	HUW 839	106	43	54	58	48	52	51	54	47	50	45	49	50
7	K1901	107	47	72	58	48	52	55	65	53	58	61	59	57
8	HD3352	108	48	61	57	50	50	53	59	52	47	56	53	53
9	KRL1810	109	43	53	59	45	48	49	52	55	49	59	54	51
10	DBW309	110	44	64	57	45	48	51	48	53	43	45	47	49
11	PBW828	111	45	40	57	44	42	45	47	46	43	44	45	45
12	K1006 (C)	112	46	36	46	44	44	43	45	52	43	42	45	44
13	HD3349	113	46	69	60	42	48	53	48	52	54	55	52	52
14	PBW841	114	47	67	63	44	44	53	50	52	47	46	49	51
15	HD2967 (C)	115	46	64	57	52	44	52	41	46	51	44	45	49
16	PBW829	116	46	49	54	53	45	49	44	45	52	47	47	48
17	DBW308	117	48	58	52	49	47	51	56	47	54	47	51	51
18	AAI-W29	118	45	60	58	45	47	51	59	45	45	55	51	51
19	HD3353	119	48	53	59	53	43	51	52	51	44	53	50	50
20	DBW306	120	49	71	60	45	48	54	56	48	45	55	51	53
21	WH1284	121	46	54	57	46	45	49	44	54	45	57	50	50
22	UP3051	122	42	69	58	44	44	51	51	57	56	60	56	53
23	WH1272	123	55	70	57	46	56	57	55	58	58	53	56	56
24	HD3350	124	61	71	57	50	47	57	51	54	60	50	53	55
25	HD3086 (C)	125	51	62	56	45	47	52	55	55	48	44	50	51
26	Raj4547	126	42	69	55	45	49	52	58	55	50	45	52	52
27	UP3054	127	46	56	59	42	45	49	55	48	47	53	51	50
28	NW7079	128	50	57	57	44	51	52	60	46	49	56	53	52
29	PBW827	129	41	56	56	45	48	49	49	52	45	53	50	49
30	HD3351	130	47	60	56	46	44	50	54	48	45	47	48	49
31	DBW187 (C)	131	47	67	56	54	50	55	52	57	51	60	55	55
32	PBW826	132	45	60	55	43	44	49	55	49	50	47	50	50
33	Raj4546	133	44	56	55	46	43	48	52	46	50	57	51	50
34	WH1273	134	43	55	54	45	45	48	53	50	50	53	51	50
35	DBW307	135	45	62	57	44	45	50	54	50	48	51	51	50
36	WH1271	136	43	61	57	46	54	52	56	50	52	55	53	52
Mean			45	60	56	46	47	51	52	50	49	51	51	51

Table 5: Phenol test (Max-10) of *T. aestivum* genotypes in NIVT-1A

S. No.	Entry	Trial Code	NWPZ						NEPZ					Overall Mean
			Ludhiana	Hisar	Durgapura	Delhi	Pantnagar	Mean	Pusa	Kanpur	Varanasi	Sabour	Mean	
1	Raj4548	101	1.8	3.5	3.2	2.6	2.2	2.7	2.8	2.2	2.4	2.5	2.5	2.6
2	UP3052	102	4.1	7.0	5.7	4.9	5.0	5.3	3.6	3.4	4.4	4.0	3.9	4.7
3	HD3348	103	3.5	6.0	3.9	3.6	3.6	4.1	3.7	3.3	3.8	6.2	4.3	4.2
4	DBW334	104	3.7	7.0	3.8	5.9	5.1	5.1	4.1	4.1	3.9	5.4	4.4	4.8
5	UP3053	105	5.8	6.5	5.6	5.9	5.5	5.8	6.0	5.5	5.4	6.6	5.9	5.9
6	HUW 839	106	4.5	6.0	5.3	4.5	4.2	4.9	5.8	4.2	4.0	5.6	4.9	4.9
7	K1901	107	5.0	7.0	4.9	6.8	4.2	5.6	5.8	3.8	5.0	4.7	4.8	5.2
8	HD3352	108	2.6	3.0	3.4	2.5	2.4	2.8	2.7	2.3	2.7	2.8	2.6	2.7
9	KRL1810	109	4.5	6.5	3.9	4.9	5.6	5.1	4.9	4.0	5.5	6.3	5.2	5.1
10	DBW309	110	3.7	6.0	3.8	4.1	5.3	4.6	4.8	3.6	5.0	6.4	4.9	4.7
11	PBW828	111	2.1	4.0	3.1	2.9	2.8	3.0	2.8	2.4	2.8	2.6	2.7	2.8
12	K1006 (C)	112	4.2	5.5	4.2	3.4	3.2	4.1	3.5	3.0	3.6	3.6	3.4	3.8
13	HD3349	113	5.1	8.0	6.6	4.4	5.8	6.0	4.4	3.8	4.5	6.3	4.7	5.4
14	PBW841	114	4.0	7.5	6.4	3.7	4.4	5.2	3.9	4.8	4.2	3.9	4.2	4.7
15	HD2967 (C)	115	4.9	6.5	5.4	4.3	4.9	5.2	4.0	3.0	3.5	4.7	3.8	4.6
16	PBW829	116	5.0	7.5	5.6	4.4	3.9	5.3	5.9	3.8	5.1	3.7	4.6	5.0
17	DBW308	117	4.5	6.0	3.8	4.7	4.1	4.6	4.5	5.9	4.6	4.0	4.8	4.7
18	AAI-W29	118	3.0	5.0	5.0	3.8	3.9	4.1	4.0	3.4	5.0	3.4	4.0	4.1
19	HD3353	119	4.2	7.0	6.2	4.8	3.7	5.2	5.0	4.2	5.0	6.7	5.2	5.2
20	DBW306	120	5.2	6.0	6.5	3.7	4.1	5.1	4.1	4.0	6.2	6.5	5.2	5.1
21	WH1284	121	5.3	6.0	4.4	4.9	4.6	5.0	6.0	5.5	4.3	4.0	5.0	5.0
22	UP3051	122	5.5	6.5	6.6	4.2	5.4	5.6	6.8	4.6	5.7	4.1	5.3	5.5
23	WH1272	123	6.1	6.5	4.3	3.8	3.7	4.9	6.0	4.7	4.6	5.5	5.2	5.0
24	HD3350	124	5.9	7.0	7.3	6.7	4.6	6.3	5.0	3.9	5.8	6.4	5.3	5.8
25	HD3086 (C)	125	6.0	6.5	4.7	4.1	4.9	5.2	5.5	4.8	6.1	4.8	5.3	5.3
26	Raj4547	126	5.4	5.5	3.7	3.8	5.6	4.8	6.1	4.5	5.6	5.0	5.3	5.0
27	UP3054	127	5.3	5.5	4.0	3.7	4.1	4.5	6.1	5.4	4.6	4.7	5.2	4.8
28	NW7079	128	4.9	6.0	6.2	3.8	3.9	5.0	4.6	5.7	5.9	5.8	5.5	5.2
29	PBW827	129	4.0	6.5	4.8	3.6	3.6	4.5	5.9	3.9	5.9	3.9	4.9	4.7
30	HD3351	130	5.6	6.0	5.8	5.5	5.1	5.6	4.6	4.7	5.3	4.8	4.8	5.3
31	DBW187 (C)	131	5.8	7.5	6.9	5.5	5.0	6.1	4.5	6.7	6.4	6.2	6.0	6.1
32	PBW826	132	4.1	6.0	5.2	3.6	4.4	4.7	4.0	3.4	4.2	4.0	3.9	4.3
33	Raj4546	133	6.2	6.0	5.8	4.0	4.9	5.4	5.5	6.2	5.5	4.8	5.5	5.4
34	WH1273	134	4.3	6.0	5.6	3.9	4.9	4.9	4.7	5.6	5.3	5.1	5.2	5.0
35	DBW307	135	5.6	6.5	6.9	6.1	4.9	6.0	4.6	6.9	5.9	5.3	5.7	5.8
36	WH1271	136	4.9	8.0	5.7	6.8	7.1	6.5	6.6	5.7	6.3	7.8	6.6	6.5
Mean			4.6	6.2	5.1	4.4	4.4	5.0	4.8	4.3	4.8	4.9	4.7	4.9

Table 6: Grain appearance score (Max-10) of *T. aestivum* genotypes in NIVT-1B

S. No.	Entry	Trial Code	NWPZ						Kanpur	NEPZ				Overall Mean
			Ludhiana	Durgapura	Delhi	Pantnagar	Hisar	Mean		Pusa	Sabour	Varanasi	Mean	
1	WH1274	201	6.0	7.0	7.0	7.0	6.8	6.8	6.0	7.0	6.0	7.0	6.5	6.6
2	JKW275	202	5.0	6.0	6.0	6.0	6.0	5.8	5.0	6.0	6.0	6.0	5.8	5.8
3	K1905	203	7.0	6.0	6.0	7.0	6.4	6.5	7.0	5.0	5.0	7.0	6.0	6.3
4	UP3055	204	6.0	5.0	6.0	6.0	6.0	5.8	7.0	7.0	5.0	6.0	6.3	6.0
5	NW7093	205	6.0	5.0	5.0	6.0	5.2	5.4	5.0	6.0	4.0	5.0	5.0	5.2
6	Raj4549	206	5.0	5.0	7.0	7.0	5.4	5.9	6.0	6.0	5.0	5.0	5.5	5.7
7	K1903	207	6.0	7.0	6.0	5.0	5.4	5.9	7.0	7.0	5.0	4.0	5.8	5.8
8	PBW830	208	5.0	7.0	5.0	5.0	6.0	5.6	6.0	7.0	6.0	5.0	6.0	5.8
9	PBW831	209	5.0	7.0	5.0	5.0	5.2	5.4	5.0	6.0	5.0	5.0	5.3	5.4
10	NW7094	210	6.0	5.0	6.0	6.0	5.2	5.6	5.0	7.0	5.0	6.0	5.8	5.7
11	UP3057	211	5.0	5.0	6.0	5.0	5.0	5.2	6.0	5.0	6.0	7.0	6.0	5.6
12	WH1283	212	5.0	5.0	5.0	6.0	6.4	5.5	6.0	6.0	5.0	5.0	5.5	5.5
13	Raj4550	213	6.0	6.0	7.0	6.0	6.2	6.2	5.0	7.0	7.0	6.0	6.3	6.2
14	DBW313	214	5.0	6.0	6.0	7.0	6.4	6.1	5.0	7.0	7.0	7.0	6.5	6.3
15	BRW3877	215	6.0	5.0	5.0	6.0	5.8	5.6	6.0	6.0	5.0	7.0	6.0	5.8
16	DBW312	216	5.0	6.0	5.0	5.0	4.8	5.2	6.0	6.0	5.0	5.0	5.5	5.3
17	UP3056	217	6.0	7.0	6.0	6.0	6.2	6.2	7.0	7.0	6.0	5.0	6.3	6.2
18	NW7088	218	7.0	6.0	5.0	5.0	5.8	5.8	6.0	5.0	5.0	6.0	5.5	5.6
19	HD3355	219	5.0	5.0	5.0	6.0	5.8	5.4	7.0	7.0	6.0	7.0	6.8	6.0
20	HUW841	220	6.0	6.0	6.0	6.0	5.6	5.9	7.0	6.0	5.0	5.0	5.8	5.8
21	K1904	221	5.0	5.0	7.0	7.0	5.8	6.0	6.0	6.0	6.0	7.0	6.3	6.1
22	HD3356	222	5.0	5.0	7.0	7.0	5.4	5.9	6.0	6.0	5.0	5.0	5.5	5.7
23	AAI-W22	223	5.0	5.0	6.0	7.0	5.6	5.7	7.0	6.0	5.0	5.0	5.8	5.7
24	HD3357	224	6.0	6.0	7.0	6.0	6.2	6.2	7.0	7.0	6.0	6.0	6.5	6.4
25	HUW840	225	5.0	5.0	5.0	6.0	6.0	5.4	6.0	6.0	4.0	7.0	5.8	5.6
26	HD2967 (C)	226	6.0	7.0	6.0	6.0	6.0	6.2	6.0	6.0	5.0	6.0	5.8	6.0
27	KRL1803	227	7.0	6.0	5.0	7.0	6.2	6.2	6.0	7.0	6.0	6.0	6.3	6.2
28	KRL1808	228	5.0	6.0	7.0	7.0	6.2	6.2	7.0	6.0	5.0	7.0	6.3	6.2
29	JKW277	229	7.0	5.0	7.0	6.0	5.8	6.2	6.0	6.0	6.0	7.0	6.3	6.2
30	HD3086 (C)	230	6.0	6.0	6.0	6.0	6.0	6.0	5.0	7.0	5.0	6.0	5.8	5.9
31	DBW187 (C)	231	7.0	6.0	5.0	5.0	6.0	5.8	7.0	5.0	5.0	5.0	5.5	5.7
32	BRW3869	232	5.0	6.0	6.0	6.0	5.8	5.8	6.0	6.0	5.0	4.0	5.3	5.5
33	HD3354	233	7.0	5.0	5.0	5.0	6.2	5.6	6.0	6.0	5.0	5.0	5.5	5.6
34	DBW311	234	5.0	5.0	6.0	6.0	6.2	5.6	7.0	7.0	6.0	6.0	6.5	6.0
35	K1006 (C)	235	6.0	6.0	5.0	6.0	6.2	5.8	5.0	5.0	7.0	7.0	6.0	5.9
36	DBW310	236	6.0	6.0	6.0	5.0	6.2	5.8	6.0	5.0	7.0	6.0	6.0	5.9
Mean			5.7	5.8	5.9	6.0	5.9	5.8	6.1	6.2	5.5	5.9	5.9	5.9

Table 7: Hectolitre weight (kg/hl) of *T. aestivum* genotypes in NIVT-1B

S. No.	Entry	Trial Code	NWPZ						Kanpur	NEPZ				Overall Mean
			Ludhiana	Durgapura	Delhi	Pantnagar	Hisar	Mean		Pusa	Sabour	Varanasi	Mean	
1	WH1274	201	76.6	79.0	76.9	79.4	81.0	78.6	76.4	76.8	62.0	75.2	72.6	75.9
2	JKW275	202	76.6	73.6	76.8	70.9	79.0	75.4	72.5	75.7	70.9	72.4	72.9	74.3
3	K1905	203	78.8	78.8	78.2	79.4	78.6	78.8	76.3	77.7	65.2	76.1	73.8	76.6
4	UP3055	204	78.6	73.4	77.3	77.6	79.2	77.2	75.1	78.0	66.4	72.6	73.0	75.3
5	NW7093	205	76.9	68.7	72.9	76.8	77.0	74.5	74.2	76.2	65.4	70.7	71.6	73.2
6	Raj4549	206	74.1	77.9	77.4	73.9	81.2	76.9	75.4	77.0	65.2	66.3	70.9	74.2
7	K1903	207	78.5	73.8	75.5	74.5	80.7	76.6	76.4	78.9	69.8	73.1	74.5	75.7
8	PBW830	208	78.4	74.6	75.3	69.9	76.0	74.8	73.0	75.8	65.0	73.1	71.7	73.5
9	PBW831	209	76.2	75.3	76.9	76.7	78.0	76.6	73.4	76.5	66.5	70.3	71.7	74.4
10	NW7094	210	77.2	73.2	77.2	70.8	81.2	75.9	71.7	76.5	68.4	73.6	72.5	74.4
11	UP3057	211	76.7	78.1	77.4	73.7	80.5	77.3	76.2	78.0	68.2	78.7	75.2	76.4
12	WH1283	212	79.2	73.1	76.7	73.9	83.6	77.3	77.0	75.1	68.9	74.5	73.9	75.8
13	Raj4550	213	78.3	77.1	73.4	64.0	80.5	74.6	72.2	75.2	60.8	71.3	69.9	72.5
14	DBW313	214	80.3	80.1	80.1	72.9	81.3	78.9	78.1	77.7	70.4	77.7	76.0	77.6
15	BRW3877	215	78.4	72.5	74.1	72.3	81.0	75.7	75.5	78.9	67.7	78.1	75.0	75.4
16	DBW312	216	76.3	80.4	78.8	72.6	80.0	77.6	74.6	76.0	65.9	73.3	72.4	75.3
17	UP3056	217	77.6	75.6	75.2	71.9	79.0	75.9	73.9	77.5	64.6	68.0	71.0	73.7
18	NW7088	218	80.4	75.0	78.8	70.7	79.0	76.8	75.7	77.9	65.1	72.5	72.8	75.0
19	HD3355	219	76.1	71.7	76.2	70.8	77.0	74.4	75.3	74.5	60.9	75.1	71.5	73.1
20	HUW841	220	77.6	76.2	77.9	72.7	77.0	76.3	75.1	76.7	64.7	71.8	72.1	74.4
21	K1904	221	80.5	80.3	76.7	79.9	82.0	79.9	74.3	77.8	66.9	73.7	73.2	76.9
22	HD3356	222	70.0	72.5	75.3	73.1	79.4	74.1	73.5	77.7	62.4	71.0	71.1	72.8
23	AAI-W22	223	73.9	70.3	76.2	74.0	78.0	74.5	73.7	76.7	68.5	68.6	71.9	73.3
24	HD3357	224	78.2	77.0	78.3	71.9	81.0	77.3	74.4	77.0	68.4	73.0	73.2	75.5
25	HUW840	225	77.2	77.7	78.9	77.8	82.0	78.7	78.8	78.2	71.0	74.1	75.5	77.3
26	HD2967 (C)	226	75.6	73.5	74.8	71.1	78.5	74.7	73.5	75.6	69.5	67.4	71.5	73.3
27	KRL1803	227	80.1	74.5	77.8	80.2	82.0	78.9	75.2	77.9	68.5	73.3	73.7	76.6
28	KRL1808	228	72.3	74.2	75.7	68.7	78.4	73.9	75.3	74.6	59.6	67.9	69.3	71.9
29	JKW277	229	76.0	75.1	75.6	72.9	77.0	75.3	75.0	76.8	66.9	73.2	73.0	74.3
30	HD3086 (C)	230	79.1	75.8	77.0	74.4	80.0	77.2	75.8	78.0	67.6	70.0	72.8	75.3
31	DBW187 (C)	231	77.1	74.0	77.0	72.5	79.2	76.0	74.1	77.4	69.4	77.3	74.5	75.3
32	BRW3869	232	77.6	74.6	74.7	70.6	77.6	75.0	76.2	75.3	68.7	74.2	73.6	74.4
33	HD3354	233	81.9	77.0	77.0	76.3	82.3	78.9	76.7	79.0	69.7	77.0	75.6	77.4
34	DBW311	234	75.6	75.2	75.9	71.0	78.7	75.3	74.2	76.5	65.2	75.4	72.8	74.2
35	K1006 (C)	235	79.4	75.7	77.7	78.8	79.5	78.2	75.0	78.2	71.2	78.4	75.7	77.1
36	DBW310	236	75.0	71.6	75.9	69.4	78.0	74.0	75.0	74.3	66.2	69.9	71.3	72.8
Mean			77.3	75.2	76.6	73.6	79.6	76.4	74.9	76.8	66.7	73.0	72.9	74.9

Table 8: Protein content (%) at 12% moisture basis of *T. aestivum* genotypes in NIVT-1B

S. No.	Entry	Trial Code	NWPZ						Kanpur	NEPZ				Overall Mean
			Ludhiana	Durgapura	Delhi	Pantnagar	Hisar	Mean		Pusa	Sabour	Varanasi	Mean	
1	WH1274	201	10.8	10.6	12.2	10.1	10.7	10.9	11.4	12.0	-	8.9	10.7	10.8
2	JKW275	202	10.6	12.7	13.5	12.2	11.3	12.1	11.9	10.8	-	9.8	10.8	11.6
3	K1905	203	9.5	11.4	13.9	10.1	11.2	11.2	11.1	11.4	-	9.0	10.5	11.0
4	UP3055	204	10.7	13.1	14.9	10.7	11.0	12.1	11.7	11.4	-	10.3	11.1	11.7
5	NW7093	205	8.4	14.3	13.7	8.5	11.7	11.3	9.5	12.2	-	9.1	10.3	10.9
6	Raj4549	206	9.7	13.2	13.4	10.9	10.3	11.5	12.3	12.3	-	11.7	12.1	11.7
7	K1903	207	8.9	14.3	13.7	10.6	11.1	11.7	11.2	12.6	-	10.6	11.5	11.6
8	PBW830	208	9.2	13.9	13.3	11.2	11.2	11.8	11.4	13.3	-	9.7	11.5	11.7
9	PBW831	209	8.1	10.9	12.8	8.4	10.9	10.2	11.3	10.6	-	8.4	10.1	10.2
10	NW7094	210	10.1	14.8	12.8	8.8	8.5	11.0	11.3	12.8	-	9.1	11.1	11.0
11	UP3057	211	9.9	12.0	13.6	11.2	8.9	11.1	10.3	12.1	-	8.9	10.4	10.9
12	WH1283	212	10.0	13.3	12.6	10.8	10.6	11.5	10.5	11.1	-	8.7	10.1	10.9
13	Raj4550	213	8.6	11.4	13.5	10.8	9.8	10.8	11.1	12.2	-	9.5	10.9	10.9
14	DBW313	214	9.7	11.5	14.6	10.7	12.0	11.7	11.8	12.3	-	9.4	11.2	11.5
15	BRW3877	215	9.2	13.4	12.4	10.3	9.4	10.9	11.3	11.3	-	8.3	10.3	10.7
16	DBW312	216	9.3	12.0	13.1	9.7	10.4	10.9	11.0	12.4	-	8.3	10.6	10.8
17	UP3056	217	10.3	13.2	13.4	11.4	11.5	11.9	11.1	12.2	-	11.3	11.5	11.8
18	NW7088	218	10.1	-	14.1	10.3	10.4	9.0	11.2	10.8	-	10.4	10.8	11.0
19	HD3355	219	10.0	13.1	13.5	10.6	11.1	11.7	11.3	12.4	-	9.2	11.0	11.4
20	HUW841	220	9.7	13.5	14.8	8.5	12.7	11.8	12.8	13.4	-	11.1	12.4	12.1
21	K1904	221	9.7	13.2	15.1	11.8	12.0	12.4	11.9	12.7	-	9.2	11.3	11.9
22	HD3356	222	11.0	13.8	12.1	10.0	9.7	11.3	11.1	13.3	-	11.1	11.8	11.5
23	AAI-W22	223	9.6	14.6	13.5	11.9	12.0	12.3	12.7	15.3	-	11.4	13.1	12.6
24	HD3357	224	9.2	13.0	13.9	11.0	9.5	11.3	11.4	12.2	-	9.9	11.1	11.2
25	HUW840	225	12.4	13.7	13.7	11.2	10.5	12.3	13.1	13.2	-	12.1	12.8	12.5
26	HD2967 (C)	226	9.4	13.4	14.4	10.8	12.8	12.2	13.6	15.3	-	9.4	12.8	12.4
27	KRL1803	227	7.9	13.4	13.7	11.7	9.3	11.2	11.0	11.3	-	9.1	10.4	10.9
28	KRL1808	228	11.6	12.2	12.7	11.4	10.3	11.7	10.5	11.4	-	10.6	10.8	11.3
29	JKW277	229	9.2	11.8	12.2	9.4	11.3	10.8	10.5	10.7	-	7.9	9.7	10.4
30	HD3086 (C)	230	9.7	12.7	12.1	10.6	11.3	11.3	11.5	13.0	-	10.6	11.7	11.5
31	DBW187 (C)	231	9.2	12.9	13.8	10.1	10.7	11.4	10.6	13.4	-	8.8	10.9	11.2
32	BRW3869	232	9.2	12.7	13.4	10.8	11.3	11.5	10.8	12.0	-	8.4	10.4	11.1
33	HD3354	233	9.9	12.6	12.1	10.6	11.3	11.3	10.9	12.8	-	8.4	10.7	11.1
34	DBW311	234	10.4	14.0	13.5	11.4	11.2	12.1	11.4	12.9	-	9.4	11.2	11.8
35	K1006 (C)	235	8.7	12.2	13.2	10.6	11.1	11.2	11.7	11.2	-	8.8	10.6	10.9
36	DBW310	236	9.9	14.3	13.3	10.5	10.9	11.8	12.0	13.9	-	10.7	12.2	11.9
Mean			9.7	12.9	13.4	10.6	10.8	11.4	11.4	12.3	-	9.7	11.1	11.4

Table 9: Sedimentation value (ml) of *T. aestivum* genotypes in NIVT-1B

S. No.	Entry	Trial Code	NWPZ						Kanpur	NEPZ				Overall Mean
			Ludhiana	Durgapura	Delhi	Pantnagar	Hisar	Mean		Pusa	Sabour	Varanasi	Mean	
1	WH1274	201	50.0	51.0	57.0	49.0	57.3	52.9	48.0	45.5	45.0	44.5	45.8	49.7
2	JKW275	202	52.0	60.5	62.5	50.0	69.1	58.8	53.0	66.5	63.0	44.0	56.6	57.8
3	K1905	203	55.0	68.5	62.0	60.0	70.1	63.1	60.3	65.0	42.0	49.5	54.2	59.2
4	UP3055	204	59.0	49.0	51.0	54.0	63.5	55.3	53.5	61.5	57.0	51.5	55.9	55.6
5	NW7093	205	36.0	37.0	42.5	44.0	43.2	40.5	37.5	50.5	56.0	45.0	47.3	43.5
6	Raj4549	206	39.0	36.0	41.0	43.0	41.8	40.2	44.5	48.0	49.0	42.5	46.0	42.8
7	K1903	207	60.0	60.5	36.5	51.0	65.4	54.7	51.0	59.5	56.0	48.0	53.6	54.2
8	PBW830	208	30.0	31.0	22.0	45.0	37.0	33.0	33.5	43.0	40.0	28.5	36.3	34.4
9	PBW831	209	52.0	50.0	45.0	35.0	55.9	47.6	45.0	52.5	57.0	42.5	49.3	48.3
10	NW7094	210	50.0	51.5	45.5	53.0	55.9	51.2	49.5	63.5	52.0	46.0	52.8	51.9
11	UP3057	211	49.0	59.5	53.5	46.0	57.3	53.1	54.0	59.0	49.0	39.0	50.3	51.8
12	WH1283	212	48.0	51.5	51.5	49.0	57.8	51.6	50.3	52.5	50.0	44.0	49.2	50.5
13	Raj4550	213	55.0	50.5	61.0	59.0	62.1	57.5	55.0	48.0	48.0	41.0	48.0	53.3
14	DBW313	214	66.0	64.5	59.5	58.0	73.8	64.4	64.0	59.0	55.0	60.5	59.6	62.3
15	BRW3877	215	39.0	34.0	42.0	36.0	46.5	39.5	40.5	45.5	50.0	49.5	46.4	42.6
16	DBW312	216	41.0	32.5	35.5	42.0	49.3	40.1	46.0	44.5	51.0	35.0	44.1	41.9
17	UP3056	217	67.0	59.0	60.5	68.0	76.2	66.1	63.5	61.5	63.0	54.0	60.5	63.6
18	NW7088	218	59.0	61.5	52.0	56.0	62.1	58.1	59.5	54.5	51.0	52.0	54.3	56.4
19	HD3355	219	57.0	37.0	42.5	47.0	59.7	48.6	52.5	57.5	67.0	45.0	55.5	51.7
20	HUW841	220	55.0	49.0	51.5	55.0	63.5	54.8	54.5	52.0	43.0	51.5	50.3	52.8
21	K1904	221	65.0	55.5	49.5	59.0	69.1	59.6	53.5	64.0	55.0	52.5	56.3	58.1
22	HD3356	222	48.0	59.0	34.0	47.0	55.0	48.6	47.5	51.5	51.0	47.0	49.3	48.9
23	AAI-W22	223	50.0	47.5	55.5	45.0	54.1	50.4	40.5	46.0	45.0	41.0	43.1	47.2
24	HD3357	224	57.0	49.5	43.5	50.0	55.9	51.2	47.5	55.5	37.0	41.0	45.3	48.5
25	HUW840	225	47.0	41.5	36.0	39.0	49.3	42.6	44.5	42.5	43.0	35.5	41.4	42.0
26	HD2967 (C)	226	53.0	53.0	51.5	49.0	57.3	52.8	51.0	61.5	33.0	50.5	49.0	51.1
27	KRL1803	227	52.0	55.0	53.5	56.0	62.1	55.7	53.5	63.5	59.0	48.0	56.0	55.8
28	KRL1808	228	62.0	53.0	49.0	51.0	58.8	54.8	51.5	51.5	60.0	58.5	55.4	55.0
29	JKW277	229	51.0	48.0	58.5	40.0	55.9	50.7	51.5	52.5	47.0	40.0	47.8	49.4
30	HD3086 (C)	230	60.3	52.0	51.5	52.0	65.4	56.2	56.0	60.5	61.0	47.0	56.1	56.2
31	DBW187 (C)	231	59.0	60.5	60.5	53.0	65.4	59.7	61.0	53.0	55.0	50.5	54.9	57.5
32	BRW3869	232	69.0	55.0	59.0	63.0	71.5	63.5	56.0	66.5	36.0	61.0	54.9	59.7
33	HD3354	233	58.0	50.0	57.0	52.0	65.4	56.5	44.0	55.5	49.0	45.0	48.4	52.9
34	DBW311	234	60.0	49.5	51.0	67.0	70.1	59.5	59.5	57.5	60.0	65.0	60.5	60.0
35	K1006 (C)	235	39.0	33.0	41.5	35.0	44.6	38.6	31.0	41.0	50.0	41.5	40.9	39.6
36	DBW310	236	54.0	66.5	40.5	56.0	61.1	55.6	48.0	59.0	53.0	53.0	53.3	54.6
Mean			52.9	50.6	49.1	50.4	59.1	52.4	50.3	54.8	51.1	47.0	50.8	51.7

Table 10: Phenol test (Max-10) of *T. aestivum* genotypes in NIVT-1B

S. No.	Entry	Trial Code	NWPZ						Kanpur	NEPZ				Overall Mean
			Ludhiana	Durgapura	Delhi	Pantnagar	Hisar	Mean		Pusa	Sabour	Varanasi	Mean	
1	WH1274	201	5.0	6.0	6.0	6.0	6.0	5.8	5.0	6.0	5.0	6.0	5.5	5.7
2	JKW275	202	6.0	5.0	5.0	6.0	7.0	5.8	6.0	7.0	5.0	5.0	5.8	5.8
3	K1905	203	6.0	7.0	6.0	6.0	4.0	5.8	8.0	7.0	8.0	5.0	7.0	6.3
4	UP3055	204	5.0	6.0	5.0	5.0	6.0	5.4	5.0	6.0	4.0	5.0	5.0	5.2
5	NW7093	205	6.0	4.0	6.0	7.0	7.0	6.0	5.0	6.0	5.0	4.0	5.0	5.6
6	Raj4549	206	5.0	5.0	6.0	6.0	6.0	5.6	6.0	7.0	4.0	5.0	5.5	5.6
7	K1903	207	5.0	6.0	4.0	5.0	7.0	5.4	5.0	7.0	6.0	5.0	5.8	5.6
8	PBW830	208	6.0	6.0	4.0	6.0	6.0	5.6	6.0	6.0	5.0	4.0	5.3	5.4
9	PBW831	209	5.0	7.0	5.0	5.0	5.0	5.4	5.0	6.0	4.0	4.0	4.8	5.1
10	NW7094	210	6.0	5.0	4.0	5.0	6.5	5.3	8.0	6.0	5.0	5.0	6.0	5.6
11	UP3057	211	4.0	6.0	7.0	6.0	6.5	5.9	4.0	7.0	6.0	6.0	5.8	5.8
12	WH1283	212	4.0	5.0	5.0	5.0	5.0	4.8	5.0	6.0	5.0	7.0	5.8	5.2
13	Raj4550	213	8.0	8.0	6.0	5.0	5.0	6.4	8.0	7.0	7.0	6.0	7.0	6.7
14	DBW313	214	5.0	6.0	5.0	6.0	5.0	5.4	6.0	7.0	7.0	8.0	7.0	6.1
15	BRW3877	215	7.0	6.0	6.0	5.0	5.0	5.8	5.0	7.0	5.0	6.0	5.8	5.8
16	DBW312	216	6.0	7.0	6.0	6.0	3.5	5.7	6.0	7.0	5.0	8.0	6.5	6.1
17	UP3056	217	5.0	6.0	5.0	5.0	5.0	5.2	4.0	8.0	5.0	6.0	5.8	5.4
18	NW7088	218	6.0	5.0	5.0	7.0	6.5	5.9	5.0	6.0	6.0	5.0	5.5	5.7
19	HD3355	219	5.0	7.0	6.0	5.0	4.0	5.4	4.0	7.0	5.0	5.0	5.3	5.3
20	HUW841	220	8.0	7.0	8.0	5.0	4.5	6.5	7.0	7.0	6.0	6.0	6.5	6.5
21	K1904	221	6.0	6.0	6.0	6.0	7.5	6.3	4.0	6.0	6.0	7.0	5.8	6.1
22	HD3356	222	5.0	5.0	6.0	7.0	6.0	5.8	5.0	7.0	5.0	6.0	5.8	5.8
23	AAI-W22	223	5.0	6.0	5.0	6.0	5.5	5.5	5.0	8.0	5.0	5.0	5.8	5.6
24	HD3357	224	6.0	5.0	4.0	7.0	6.0	5.6	4.0	8.0	8.0	6.0	6.5	6.0
25	HUW840	225	6.0	6.0	4.0	5.0	5.5	5.3	6.0	7.0	4.0	6.0	5.8	5.5
26	HD2967 (C)	226	5.0	5.0	5.0	6.0	5.0	5.2	5.0	7.0	5.0	7.0	6.0	5.6
27	KRL1803	227	6.0	5.0	6.0	6.0	7.5	6.1	5.0	8.0	6.0	5.0	6.0	6.1
28	KRL1808	228	5.0	5.0	5.0	6.0	5.0	5.2	6.0	6.0	5.0	4.0	5.3	5.2
29	JKW277	229	8.0	8.0	8.0	5.0	4.5	6.7	8.0	8.0	7.0	8.0	7.8	7.2
30	HD3086 (C)	230	6.0	5.0	6.0	6.0	7.5	6.1	5.0	7.0	5.0	6.0	5.8	5.9
31	DBW187 (C)	231	5.0	5.0	5.0	5.0	8.0	5.6	5.0	6.0	6.0	5.0	5.5	5.6
32	BRW3869	232	5.0	5.0	5.0	5.0	7.0	5.4	6.0	7.0	8.0	5.0	6.5	5.9
33	HD3354	233	6.0	6.0	6.0	7.0	7.0	6.4	4.0	7.0	3.0	5.0	4.8	5.7
34	DBW311	234	4.0	5.0	4.0	6.0	6.5	5.1	5.0	7.0	4.0	6.0	5.5	5.3
35	K1006 (C)	235	5.0	6.0	4.0	7.0	6.5	5.7	6.0	6.0	5.0	6.0	5.8	5.7
36	DBW310	236	4.0	5.0	5.0	5.0	5.0	4.8	5.0	7.0	4.0	7.0	5.8	5.2
Mean			5.6	5.8	5.4	5.8	5.8	5.7	5.5	6.8	5.4	5.7	5.8	5.7

Table 11: Grain Appearance Score (Max-10) of *T. aestivum* genotypes in NIVT-2

Sr.No.	Entry	Trial Code	CZ					PZ			
			Indore	Junagarh	P'kheda	Vijapur	Mean	Pune	Niphad	Mean	Overall Mean
1	GW521	301	6.6	7.0	6.6	6.5	6.6	6.6	6.7	6.6	6.6
2	MP3535	302	6.6	6.9	6.7	6.9	6.7	6.7	6.7	6.7	6.7
3	MACS6478 (C)	303	6.5	6.9	6.6	6.8	6.7	6.6	6.8	6.7	6.7
4	RVW4301	304	6.6	6.7	6.5	6.3	6.5	6.5	6.7	6.6	6.5
5	UAS3012	305	6.8	6.7	6.6	6.8	6.7	6.7	7.0	6.8	6.8
6	NWS2176	306	6.7	6.7	6.6	6.7	6.7	6.7	6.8	6.7	6.7
7	RVW4304	307	6.9	7.0	6.7	6.9	6.9	6.7	6.7	6.7	6.8
8	HI1544 (C)	308	7.0	7.0	6.7	6.9	6.9	6.8	6.8	6.8	6.8
9	DBW314	309	6.9	6.9	6.8	6.9	6.8	6.8	6.8	6.8	6.8
10	HI1650	310	6.9	7.0	6.7	6.7	6.8	6.7	6.7	6.7	6.8
11	HD3376	311	6.6	6.6	6.5	6.7	6.6	6.5	6.7	6.6	6.6
12	GW322 (C)	312	6.6	6.7	6.6	6.5	6.6	6.5	6.8	6.6	6.6
13	HI1648	313	6.8	6.9	6.7	6.6	6.7	6.8	6.7	6.7	6.7
14	WH1275	314	6.5	6.8	6.6	6.8	6.7	6.7	6.6	6.6	6.6
15	MACS3735	315	6.8	6.9	6.6	6.7	6.7	6.6	6.7	6.6	6.7
16	UAS3011	316	6.6	6.6	6.7	6.6	6.6	6.6	6.7	6.6	6.6
17	GW522	317	6.7	6.8	6.7	6.9	6.7	6.6	6.7	6.6	6.7
18	NIAW3889	318	6.7	6.8	6.7	6.9	6.7	6.6	6.8	6.7	6.7
19	HI1649	319	6.7	7.0	6.8	6.7	6.8	6.7	6.8	6.7	6.8
20	NIAW3882	320	6.7	6.7	6.8	6.8	6.7	6.6	6.8	6.7	6.7
21	AKAW5099	321	6.7	7.1	6.6	6.5	6.7	6.7	6.6	6.6	6.7
22	HD3359	322	6.6	6.8	6.5	6.5	6.6	6.6	6.7	6.7	6.6
23	MP1369	323	6.9	7.1	6.8	7.2	7.0	6.9	6.8	6.8	6.9
24	UP3058	324	6.6	6.7	6.6	6.5	6.6	6.5	6.5	6.5	6.5
25	HI1647	325	6.6	6.8	6.6	6.4	6.6	6.6	6.6	6.6	6.6
26	MACS6764	326	6.9	7.0	6.7	6.8	6.8	6.7	6.8	6.7	6.8
27	PBW832	327	6.8	6.9	6.6	7.2	6.9	6.7	6.8	6.7	6.8
28	GW523	328	6.6	6.9	6.7	6.8	6.7	6.6	6.7	6.7	6.7
29	MP1370	329	6.7	6.7	6.8	6.8	6.7	6.6	6.8	6.7	6.7
30	CG1034	330	6.8	7.0	6.7	7.1	6.9	6.7	6.9	6.8	6.8
31	MACS6768	331	6.8	7.0	6.8	7.1	6.9	6.8	6.9	6.8	6.9
32	Raj4551	332	6.8	6.9	6.6	6.7	6.7	6.6	6.7	6.7	6.7
33	DBW315	333	6.6	6.6	6.5	6.8	6.6	6.6	6.7	6.6	6.6
34	MP3526	334	6.7	6.6	6.6	6.9	6.7	6.7	6.6	6.7	6.7
35	MP1371	335	6.5	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.7
36	MACS6222 (C)	336	6.8	7.0	6.8	7.0	6.9	6.8	6.8	6.8	6.8
Mean			6.7	6.8	6.6	6.7	6.7	6.6	6.7	6.7	6.7

Table 12: Hectolitre weight (kg/hl) of *T. aestivum* genotypes in NIVT 2

Sr.No.	Entry	Trial Code	CZ					PZ			
			Indore	Junagarh	P'kheda	Vijapur	Mean	Pune	Niphad	Mean	Overall Mean
1	GW521	301	79.6	81.5	78.4	79.0	79.6	77.7	79.6	78.6	79.3
2	MP3535	302	79.3	81.9	78.9	79.0	79.8	79.8	80.3	80.0	79.9
3	MACS6478 (C)	303	73.6	80.0	75.2	73.0	75.4	75.5	79.3	77.4	76.1
4	RVW4301	304	81.0	81.3	80.2	79.7	80.5	79.3	80.4	79.8	80.3
5	UAS3012	305	80.0	80.7	77.6	80.0	79.5	79.5	81.7	80.6	79.9
6	NWS2176	306	79.1	82.0	77.6	77.9	79.1	78.0	79.8	78.9	79.0
7	RVW4304	307	80.8	81.8	78.9	79.7	80.3	79.3	81.0	80.1	80.2
8	HI1544 (C)	308	81.0	81.2	80.5	80.0	80.7	78.3	81.1	79.7	80.3
9	DBW314	309	80.4	80.9	79.6	79.5	80.1	79.4	80.8	80.1	80.1
10	HI1650	310	82.2	82.7	79.8	79.6	81.0	80.1	80.5	80.3	80.7
11	HD3376	311	78.9	78.9	75.9	75.6	77.3	75.7	79.3	77.5	77.4
12	GW322 (C)	312	78.3	80.1	75.7	76.8	77.7	75.2	79.3	77.3	77.5
13	HI1648	313	77.8	79.2	76.9	76.7	77.6	75.4	78.3	76.8	77.3
14	WH1275	314	75.7	80.8	79.0	77.8	78.3	78.5	77.2	77.8	78.1
15	MACS3735	315	80.3	81.0	78.7	78.6	79.6	76.5	78.5	77.5	78.8
16	UAS3011	316	77.8	79.2	77.7	75.4	77.5	78.3	80.1	79.2	78.1
17	GW522	317	80.1	80.6	79.8	78.6	79.7	77.9	79.3	78.6	79.3
18	NIAW3889	318	78.3	79.9	76.6	77.1	78.0	76.3	77.9	77.1	77.6
19	HI1649	319	79.7	82.2	80.6	79.9	80.6	79.4	80.5	79.9	80.3
20	NIAW3882	320	76.6	79.8	76.6	76.7	77.4	74.5	78.4	76.4	77.0
21	AKAW5099	321	79.1	81.0	78.9	78.5	79.4	78.2	79.3	78.7	79.1
22	HD3359	322	79.6	80.6	76.8	78.7	78.9	78.1	78.6	78.3	78.7
23	MP1369	323	81.3	82.3	80.5	81.0	81.3	80.0	80.3	80.1	80.8
24	UP3058	324	79.3	80.8	78.2	78.3	79.1	78.3	77.2	77.7	78.6
25	HI1647	325	76.5	80.3	76.1	76.3	77.3	75.0	77.2	76.1	76.8
26	MACS6764	326	81.3	81.5	80.4	80.7	80.9	80.7	81.2	80.9	80.9
27	PBW832	327	79.5	80.3	78.3	78.8	79.2	77.6	79.2	78.4	78.9
28	GW523	328	77.9	79.9	77.3	76.7	77.9	76.6	78.7	77.6	77.8
29	MP1370	329	79.3	78.9	79.2	78.2	78.9	77.3	78.5	77.9	78.5
30	CG1034	330	76.3	79.3	75.4	76.0	76.7	74.1	77.4	75.7	76.4
31	MACS6768	331	80.8	81.9	80.1	80.0	80.7	79.8	81.2	80.5	80.6
32	Raj4551	332	79.6	81.0	77.5	79.1	79.3	76.8	79.7	78.2	78.9
33	DBW315	333	75.9	77.9	75.3	76.2	76.3	76.2	78.8	77.5	76.7
34	MP3526	334	78.4	79.7	76.8	79.9	78.7	78.3	79.0	78.6	78.7
35	MP1371	335	80.1	82.1	78.7	80.1	80.2	78.9	79.9	79.4	79.9
36	MACS6222 (C)	336	81.8	81.8	79.5	79.1	80.5	80.3	80.6	80.4	80.5
Mean			79.1	80.7	78.1	78.3	79.0	77.8	79.4	78.6	78.9

Table 13: Protein content (%) at 12% moisture basis of *T. aestivum* genotypes in NIVT-2

Sr.No.	Entry	Trial Code	CZ					PZ			
			Indore	Junagarh	P'kheda	Vijapur	Mean	Pune	Niphad	Mean	Overall Mean
1	GW521	301	9.6	12.1	11.1	10.3	10.8	11.1	11.4	11.3	11.0
2	MP3535	302	10.2	12.4	12.1	10.8	11.4	12.4	12.6	12.5	11.8
3	MACS6478 (C)	303	9.2	11.9	12.5	10.6	11.0	12.0	11.8	11.9	11.4
4	RVW4301	304	9.6	12.8	11.8	11.1	11.3	12.9	11.7	12.3	11.7
5	UAS3012	305	10.3	11.3	11.8	9.7	10.8	11.1	12.2	11.7	11.1
6	NWS2176	306	10.3	12.4	12.9	10.8	11.6	12.1	12.0	12.1	11.8
7	RVW4304	307	10.5	12.2	11.5	11.0	11.3	12.1	12.6	12.4	11.7
8	HI1544 (C)	308	9.9	12.1	11.4	11.0	11.1	11.5	12.4	11.9	11.4
9	DBW314	309	10.4	11.8	12.0	10.8	11.3	11.6	12.6	12.1	11.6
10	HI1650	310	9.5	11.9	11.3	10.3	10.7	11.4	12.2	11.8	11.1
11	HD3376	311	10.2	11.3	12.0	11.5	11.2	12.1	12.2	12.1	11.6
12	GW322 (C)	312	8.6	10.9	11.0	8.5	9.8	11.2	11.3	11.2	10.3
13	HI1648	313	10.1	12.2	11.7	10.1	11.0	11.4	12.8	12.1	11.4
14	WH1275	314	8.8	12.0	11.2	9.4	10.3	12.3	12.1	12.2	11.0
15	MACS3735	315	9.6	12.0	11.0	10.2	10.7	11.8	12.6	12.2	11.3
16	UAS3011	316	10.3	12.1	11.7	11.7	11.5	11.9	11.7	11.8	11.6
17	GW522	317	9.5	12.0	11.6	11.9	11.2	12.5	12.5	12.5	11.7
18	NIAW3889	318	10.3	11.3	11.7	10.2	10.9	12.4	12.2	12.3	11.4
19	HI1649	319	9.5	11.5	11.1	9.7	10.4	11.5	12.5	12.0	11.0
20	NIAW3882	320	10.8	11.7	12.1	11.4	11.5	12.5	11.9	12.2	11.8
21	AKAW5099	321	10.8	12.3	11.9	10.6	11.4	11.9	12.7	12.3	11.8
22	HD3359	322	9.9	12.7	13.1	10.6	11.6	12.2	13.6	12.9	12.1
23	MP1369	323	9.9	12.3	11.4	10.5	11.0	12.0	11.8	11.9	11.4
24	UP3058	324	11.4	12.5	13.0	12.5	12.3	13.0	13.5	13.2	12.7
25	HI1647	325	10.4	12.1	12.0	9.8	11.1	12.1	11.9	12.0	11.4
26	MACS6764	326	9.8	12.0	11.5	10.4	10.9	12.0	13.1	12.5	11.5
27	PBW832	327	10.0	13.2	12.0	11.0	11.5	12.9	13.5	13.2	12.2
28	GW523	328	8.8	11.1	10.6	8.9	9.8	11.4	11.7	11.6	10.5
29	MP1370	329	11.2	13.0	12.2	11.6	12.0	12.4	12.4	12.4	12.1
30	CG1034	330	9.2	11.7	11.2	10.6	10.6	11.9	11.4	11.7	11.0
31	MACS6768	331	9.7	12.3	11.6	11.7	11.3	12.4	12.9	12.6	11.8
32	Raj4551	332	11.0	12.2	12.1	10.8	11.5	12.3	12.6	12.5	11.9
33	DBW315	333	11.5	12.3	13.2	11.2	12.0	12.7	12.8	12.7	12.3
34	MP3526	334	10.7	12.4	12.2	10.6	11.5	12.4	12.6	12.5	11.8
35	MP1371	335	9.2	12.5	11.6	10.0	10.8	12.0	12.1	12.1	11.3
36	MACS6222 (C)	336	9.2	11.8	11.5	11.5	11.0	12.1	12.8	12.4	11.5
Mean			10.0	12.1	11.8	10.6	11.1	12.0	12.4	12.2	11.5

Table 14: Sedimentation value (ml) of *T. aestivum* genotypes in NIVT-2

Sr.No.	Entry	Trial Code	CZ					PZ			
			Indore	Junagarh	P'kheda	Vijapur	Mean	Pune	Niphad	Mean	Overall Mean
1	GW521	301	35	44	39	38	39	39	41	40	39
2	MP3535	302	42	48	44	40	43	47	47	47	45
3	MACS6478 (C)	303	38	43	45	40	42	43	45	44	43
4	RVW4301	304	33	46	41	38	39	46	41	43	41
5	UAS3012	305	39	42	42	38	40	41	45	43	41
6	NWS2176	306	43	48	48	42	46	48	46	47	46
7	RVW4304	307	36	42	39	37	38	41	43	42	40
8	HI1544 (C)	308	35	42	39	37	38	40	42	41	39
9	DBW314	309	35	40	40	35	37	39	43	41	39
10	HI1650	310	32	39	36	34	35	38	41	40	37
11	HD3376	311	37	40	41	41	40	40	43	41	40
12	GW322 (C)	312	30	37	38	29	33	39	38	38	35
13	HI1648	313	34	42	38	34	37	38	43	40	38
14	WH1275	314	31	41	38	32	35	41	42	42	38
15	MACS3735	315	33	40	35	34	36	39	42	41	37
16	UAS3011	316	39	44	41	41	41	42	42	42	41
17	GW522	317	33	42	39	40	38	43	43	43	40
18	NIAW3889	318	41	44	43	38	41	45	43	44	42
19	HI1649	319	37	44	39	36	39	40	46	43	40
20	NIAW3882	320	42	44	43	40	42	45	43	44	43
21	AKAW5099	321	40	44	41	38	41	42	44	43	41
22	HD3359	322	39	48	45	40	43	46	51	48	45
23	MP1369	323	35	45	38	37	39	42	42	42	40
24	UP3058	324	38	42	43	41	41	44	46	45	43
25	HI1647	325	45	47	45	39	44	47	48	47	45
26	MACS6764	326	34	42	39	36	38	41	43	42	39
27	PBW832	327	35	46	40	36	39	46	50	48	43
28	GW523	328	31	37	35	29	33	38	40	39	35
29	MP1370	329	41	47	45	41	43	44	45	44	44
30	CG1034	330	35	42	41	38	39	42	41	41	40
31	MACS6768	331	34	41	38	39	38	42	43	42	40
32	Raj4551	332	41	46	42	38	42	44	46	45	43
33	DBW315	333	46	47	49	44	46	46	48	47	47
34	MP3526	334	43	47	45	40	44	46	49	47	45
35	MP1371	335	33	46	41	36	39	42	43	42	40
36	MACS6222 (C)	336	32	40	38	39	37	40	44	42	39
Mean			37	43	41	38	40	42	44	43	41

Table 15: Phenol test (Max-10) of *T. aestivum* genotypes in NIVT 2

Sr.No.	Entry	Trial Code	CZ					PZ			
			Indore	Junagarh	P'kheda	Vijapur	Mean	Pune	Niphad	Mean	Overall Mean
1	GW521	301	2	2	2	2	2.0	2	2	2.0	2.0
2	MP3535	302	4	4	4	5	4.3	4	4	4.0	4.2
3	MACS6478 (C)	303	2	1	2	2	1.8	1	1	1.0	1.5
4	RVW4301	304	5	5	6	4	5.0	6	5	5.5	5.2
5	UAS3012	305	6	5	7	5	5.8	6	6	6.0	5.8
6	NWS2176	306	8	8	8	8	8.0	8	8	8.0	8.0
7	RVW4304	307	7	7	7	7	7.0	8	6	7.0	7.0
8	HI1544 (C)	308	7	7	6	6	6.5	7	6	6.5	6.5
9	DBW314	309	8	8	8	8	8.0	7	7	7.0	7.6
10	HI1650	310	7	6	7	7	6.8	7	6	6.5	6.7
11	HD3376	311	6	6	6	7	6.3	7	6	6.5	6.3
12	GW322 (C)	312	5	6	6	6	5.8	6	5	5.5	5.7
13	HI1648	313	2	2	2	2	2.0	2	2	2.0	2.0
14	WH1275	314	6	7	7	7	6.8	6	7	6.5	6.7
15	MACS3735	315	6	6	6	6	6.0	6	6	6.0	6.0
16	UAS3011	316	7	7	6	8	7.0	6	6	6.0	6.6
17	GW522	317	6	6	6	6	6.0	6	6	6.0	6.0
18	NIAW3889	318	8	6	7	7	7.0	7	7	7.0	7.0
19	HI1649	319	4	5	3	5	4.3	5	4	4.5	4.3
20	NIAW3882	320	6	7	7	6	6.5	7	7	7.0	6.7
21	AKAW5099	321	6	7	6	6	6.3	7	6	6.5	6.3
22	HD3359	322	7	8	7	8	7.5	8	7	7.5	7.5
23	MP1369	323	4	5	5	4	4.5	4	5	4.5	4.5
24	UP3058	324	6	6	6	5	5.8	5	6	5.5	5.7
25	HI1647	325	8	7	8	7	7.5	6	7	6.5	7.1
26	MACS6764	326	6	6	6	6	6.0	5	6	5.5	5.8
27	PBW832	327	7	6	7	7	6.8	6	7	6.5	6.7
28	GW523	328	5	5	6	5	5.3	5	5	5.0	5.2
29	MP1370	329	6	7	7	8	7.0	6	6	6.0	6.6
30	CG1034	330	1	1	1	1	1.0	1	1	1.0	1.0
31	MACS6768	331	5	5	5	6	5.3	6	5	5.5	5.3
32	Raj4551	332	7	6	6	7	6.5	7	7	7.0	6.7
33	DBW315	333	7	7	7	7	7.0	7	7	7.0	7.0
34	MP3526	334	5	6	6	6	5.8	6	6	6.0	5.8
35	MP1371	335	7	6	5	6	6.0	6	6	6.0	6.0
36	MACS6222 (C)	336	7	6	6	6	6.3	7	6	6.5	6.3
Mean			5.7	5.7	5.8	5.8	5.7	5.7	5.6	5.6	5.7

Table 16: Grain appearance score (Max-10) of *T. aestivum* genotypes in NIVT-3A

S. No.	Entry	Trial Code	NWPZ							NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Durgapura	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	K1907	401	5.0	4.0	4.8	5.0	6.0	5.0	5.0	4.0	5.0	3.5	4.2	4.6
2	HD3361	402	5.0	5.0	5.2	5.0	6.0	5.6	5.3	4.5	5.0	3.0	4.2	4.7
3	DBW335	403	5.5	4.0	4.8	5.0	7.0	6.0	5.4	5.5	5.0	4.0	4.8	5.1
4	HD3362	404	5.5	4.0	5.4	5.5	6.5	6.8	5.6	5.0	5.0	4.0	4.7	5.1
5	WH1278	405	5.5	4.5	5.6	5.5	7.0	6.0	5.7	4.0	5.0	3.5	4.2	4.9
6	DBW173 (C)	406	5.0	5.0	5.2	5.5	6.0	6.6	5.6	4.5	5.5	4.0	4.7	5.1
7	UP3065	407	6.0	4.0	5.2	6.0	5.5	6.6	5.6	5.0	5.5	4.0	4.8	5.2
8	NW7092	408	4.5	3.5	4.8	5.0	5.5	5.6	4.8	4.0	5.5	3.5	4.3	4.6
9	HD3363	409	4.0	5.0	5.4	5.0	6.5	6.0	5.3	4.5	5.0	4.0	4.5	4.9
10	PBW836	410	5.5	5.0	5.6	6.0	7.0	5.0	5.7	5.0	5.0	4.0	4.7	5.2
11	DBW317	411	5.5	5.0	5.6	6.0	5.0	5.4	5.4	5.5	6.0	4.5	5.3	5.4
12	K1908	412	6.5	5.5	5.8	7.0	6.5	6.4	6.3	5.5	6.0	5.0	5.5	5.9
13	HD3364	413	5.5	4.5	5.0	5.0	6.0	6.6	5.4	5.0	4.0	3.5	4.2	4.8
14	PBW834	414	6.0	5.5	5.2	6.0	7.0	5.0	5.8	5.5	5.0	5.0	5.2	5.5
15	HUW842	415	5.0	4.0	5.4	6.0	6.5	6.6	5.6	5.5	5.5	5.0	5.3	5.5
16	UP3059	416	5.0	5.0	5.6	5.0	6.0	5.0	5.3	4.0	4.5	4.0	4.2	4.7
17	Raj4552	417	6.0	5.0	5.2	5.5	6.0	6.6	5.7	5.0	6.0	4.0	5.0	5.4
18	HD3360	418	4.5	4.0	5.2	6.0	6.0	6.2	5.3	5.0	5.0	3.5	4.5	4.9
19	UP3061	419	5.0	4.5	5.0	4.5	6.5	5.0	5.1	4.5	4.5	3.0	4.0	4.5
20	HD3365	420	5.0	4.0	5.0	6.0	5.5	5.0	5.1	5.0	5.5	3.5	4.7	4.9
21	WH1276	421	5.5	5.5	5.4	7.0	6.0	6.4	6.0	5.5	6.0	4.5	5.3	5.7
22	Raj4554	422	5.0	4.0	4.6	5.0	5.0	4.8	4.7	4.5	5.0	3.5	4.3	4.5
23	UP3060	423	5.0	5.5	5.0	6.5	6.5	6.8	5.9	6.0	5.5	5.0	5.5	5.7
24	HI1563 (C)	424	6.0	6.0	4.4	7.0	7.0	5.4	6.0	5.5	6.0	5.0	5.5	5.7
25	PBW833	425	6.0	5.0	5.2	6.5	5.5	6.0	5.7	4.0	5.5	5.0	4.8	5.3
26	DBW316	426	5.5	4.0	5.4	6.0	6.5	6.2	5.6	4.5	5.0	5.0	4.8	5.2
27	HD3059 (C)	427	5.0	5.0	5.6	6.0	4.5	5.8	5.3	5.5	4.5	4.0	4.7	5.0
28	DBW107 (C)	428	5.5	4.0	5.6	6.0	5.5	6.2	5.5	5.0	6.0	4.0	5.0	5.2
29	NW8000	429	5.0	5.0	4.8	4.5	5.5	6.0	5.1	5.0	5.5	4.0	4.8	5.0
30	PBW835	430	4.5	3.0	5.2	6.5	7.5	6.2	5.5	5.5	6.0	4.5	5.3	5.4
31	Raj4553	431	4.5	5.0	4.8	6.0	5.0	5.0	5.1	4.5	4.5	3.5	4.2	4.6
32	JKW278	432	5.5	5.5	4.8	6.5	5.5	5.2	5.5	4.0	4.5	3.5	4.0	4.8
33	WH1277	433	5.5	4.5	5.2	6.5	5.5	5.4	5.4	4.0	4.5	3.5	4.0	4.7
34	DBW318	434	6.0	4.5	5.2	6.0	6.5	6.8	5.8	4.5	6.0	4.5	5.0	5.4
35	DBW319	435	6.0	5.0	5.4	6.5	6.0	6.4	5.9	4.5	5.0	4.5	4.7	5.3
36	JKW270	436	6.0	4.0	4.8	6.0	7.0	6.2	5.7	5.5	6.5	5.0	5.7	5.7
Mean			5.3	4.6	5.2	5.8	6.1	5.9	5.5	4.8	5.3	4.1	4.7	5.1

Table 17: Hectolitre weight (kg/hl) of *T. aestivum* genotypes in NIVT-3A

S. No.	Entry	Trial Code	NWPZ							NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Durgapura	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	K1907	401	72.2	71.2	74.7	79.6	84.2	73.6	75.9	70.1	72.2	68.2	70.1	73.0
2	HD3361	402	70.8	73.8	77.5	79.0	74.2	77.0	75.4	70.8	71.3	61.2	67.7	71.6
3	DBW335	403	73.6	75.3	75.9	79.1	81.1	79.1	77.3	71.2	75.0	67.6	71.3	74.3
4	HD3362	404	77.8	76.9	77.8	80.7	79.5	81.7	79.1	76.3	76.0	70.5	74.3	76.7
5	WH1278	405	76.4	77.6	76.6	80.2	80.3	78.0	78.2	72.4	74.4	68.7	71.8	75.0
6	DBW173 (C)	406	73.2	75.1	76.2	81.0	78.3	77.4	76.9	67.6	74.7	69.7	70.7	73.8
7	UP3065	407	72.1	69.0	75.0	78.9	72.1	75.9	73.8	68.9	70.2	63.6	67.6	70.7
8	NW7092	408	71.3	70.5	75.0	77.4	76.2	74.7	74.2	71.6	76.1	64.3	70.7	72.4
9	HD3363	409	75.1	75.8	75.3	81.7	82.3	79.6	78.3	73.4	74.9	74.0	74.1	76.2
10	PBW836	410	73.7	76.3	75.2	78.9	80.1	73.3	76.3	71.1	73.7	71.3	72.0	74.1
11	DBW317	411	74.0	70.6	75.0	78.9	71.2	77.8	74.6	72.9	71.2	70.5	71.5	73.1
12	K1908	412	75.6	74.7	77.5	80.1	72.7	79.5	76.7	77.0	77.0	73.6	75.8	76.3
13	HD3364	413	73.9	73.8	76.3	79.3	77.3	74.3	75.8	75.0	72.0	68.4	71.8	73.8
14	PBW834	414	75.0	73.6	76.5	80.9	82.5	78.1	77.8	75.0	74.4	71.3	73.6	75.7
15	HUW842	415	76.5	78.2	78.0	82.4	83.5	81.6	80.0	75.7	75.2	73.7	74.9	77.5
16	UP3059	416	75.6	72.2	76.0	77.5	78.3	72.8	75.4	72.5	73.5	67.6	71.2	73.3
17	Raj4552	417	73.4	71.9	72.0	81.4	79.3	78.6	76.1	75.8	73.0	71.8	73.5	74.8
18	HD3360	418	74.1	62.2	74.8	76.8	75.4	76.6	73.3	73.9	75.2	67.0	72.0	72.7
19	UP3061	419	70.8	70.5	75.7	78.0	79.1	72.2	74.4	68.4	69.5	58.4	65.4	69.9
20	HD3365	420	71.4	72.0	76.0	81.3	74.1	72.3	74.5	68.9	71.6	67.9	69.5	72.0
21	WH1276	421	76.0	74.7	75.5	78.4	82.5	78.5	77.6	74.1	71.0	69.8	71.6	74.6
22	Raj4554	422	73.8	70.0	72.6	79.0	75.4	69.7	73.4	66.4	71.4	61.4	66.4	69.9
23	UP3060	423	74.8	75.0	77.0	82.9	77.5	80.4	77.9	74.8	72.5	72.0	73.1	75.5
24	HI1563 (C)	424	78.2	76.5	77.3	83.8	81.8	79.8	79.6	78.4	75.6	73.7	75.9	77.7
25	PBW833	425	76.1	70.0	74.7	81.8	73.6	77.1	75.5	70.9	74.3	71.7	72.3	73.9
26	DBW316	426	73.4	72.0	75.5	81.1	74.0	77.5	75.6	73.2	70.6	67.5	70.4	73.0
27	HD3059 (C)	427	73.3	72.3	73.2	82.3	69.3	77.8	74.7	72.2	69.7	66.8	69.5	72.1
28	DBW107 (C)	428	75.5	75.8	74.2	81.6	78.2	79.3	77.4	74.1	75.5	71.7	73.8	75.6
29	NW8000	429	72.3	71.3	75.5	78.4	74.7	76.4	74.8	71.9	69.5	68.0	69.8	72.3
30	PBW835	430	76.3	68.8	76.0	79.3	80.7	77.2	76.4	74.8	74.9	67.9	72.5	74.4
31	Raj4553	431	71.8	75.3	73.8	78.2	68.9	69.3	72.9	70.4	69.4	65.4	68.4	70.6
32	JKW278	432	73.7	72.4	74.5	78.3	73.8	72.2	74.1	68.9	66.2	61.1	65.4	69.8
33	WH1277	433	74.6	75.1	73.5	75.4	74.9	74.7	74.7	69.6	71.5	65.4	68.8	71.8
34	DBW318	434	76.8	73.5	76.6	83.0	73.4	80.9	77.4	69.1	73.7	73.5	72.1	74.7
35	DBW319	435	73.1	72.1	77.3	79.1	77.6	77.9	76.2	72.6	66.0	68.1	68.9	72.5
36	JKW270	436	75.2	67.6	74.0	80.3	80.0	75.1	75.4	69.3	73.3	65.0	69.2	72.3
Mean			74.2	72.9	75.5	79.9	77.2	76.6	76.0	72.2	72.7	68.3	71.0	73.5

Table 18: Protein content (%) at 12% moisture basis of *T. aestivum* genotypes in NIVT-3A

S. No.	Entry	Trial Code	NWPZ							NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Durgapura	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	K1907	401	10.6	10.0	10.7	11.7	12.4	13.0	11.4	13.5	14.1	12.5	13.3	12.4
2	HD3361	402	9.9	11.8	11.2	11.7	14.6	13.6	12.1	14.3	12.8	13.8	13.6	12.9
3	DBW335	403	10.8	11.0	10.6	11.3	11.7	12.3	11.3	12.4	14.0	12.1	12.8	12.1
4	HD3362	404	9.8	11.4	11.2	11.4	13.9	12.6	11.7	12.6	13.9	13.2	13.2	12.5
5	WH1278	405	10.6	11.5	11.2	11.7	12.2	11.9	11.5	13.5	13.1	12.9	13.2	12.4
6	DBW173 (C)	406	10.1	13.3	11.6	11.9	13.8	14.2	12.5	13.6	13.9	13.2	13.6	13.0
7	UP3065	407	9.5	13.1	10.4	10.9	15.0	12.0	11.8	12.1	12.1	13.1	12.4	12.1
8	NW7092	408	9.9	11.3	9.9	11.7	14.0	12.0	11.5	13.6	13.8	13.4	13.6	12.5
9	HD3363	409	11.2	10.7	11.4	11.7	12.5	13.0	11.8	13.1	13.9	11.7	12.9	12.3
10	PBW836	410	12.2	11.6	11.5	12.7	14.4	14.3	12.8	14.7	14.3	13.3	14.1	13.4
11	DBW317	411	10.8	12.1	11.2	11.4	15.0	13.9	12.4	12.7	15.0	13.5	13.7	13.1
12	K1908	412	11.4	12.2	12.1	12.2	14.7	14.2	12.8	13.0	14.3	13.4	13.6	13.2
13	HD3364	413	10.4	11.6	10.6	12.0	14.1	12.7	11.9	12.5	11.8	12.6	12.3	12.1
14	PBW834	414	10.9	11.2	11.5	11.9	13.5	12.9	12.0	12.3	13.4	11.4	12.4	12.2
15	HUW842	415	10.9	10.6	10.8	11.4	11.9	12.4	11.3	12.9	14.0	12.6	13.2	12.3
16	UP3059	416	10.7	12.2	11.5	12.2	14.0	14.1	12.5	13.9	14.0	14.1	14.0	13.2
17	Raj4552	417	12.0	12.8	10.9	12.1	14.1	14.6	12.7	12.6	14.1	12.9	13.2	13.0
18	HD3360	418	10.2	11.0	9.7	10.5	15.3	12.6	11.5	12.1	13.8	13.8	13.3	12.4
19	UP3061	419	9.6	12.3	10.2	12.3	13.4	12.9	11.8	13.2	12.7	14.3	13.4	12.6
20	HD3365	420	10.0	11.6	11.3	11.7	14.2	12.9	12.0	14.1	14.0	13.6	13.9	12.9
21	WH1276	421	10.3	11.4	10.7	11.3	12.4	13.2	11.6	12.8	0.0	12.8	12.8	12.2
22	Raj4554	422	11.3	11.6	12.6	11.9	14.5	13.2	12.5	13.9	14.3	13.6	13.9	13.2
23	UP3060	423	12.1	11.3	11.8	11.9	12.8	13.5	12.2	13.0	12.9	11.8	12.6	12.4
24	HI1563 (C)	424	11.6	13.5	12.0	11.8	12.4	12.0	12.2	12.1	12.7	11.4	12.0	12.1
25	PBW833	425	10.9	12.9	10.3	12.5	15.0	13.5	12.5	15.3	13.6	11.9	13.6	13.1
26	DBW316	426	12.9	13.6	12.4	12.1	15.3	13.4	13.3	13.6	14.4	13.1	13.7	13.5
27	HD3059 (C)	427	9.6	12.8	9.9	12.5	15.6	13.3	12.3	13.5	14.5	13.5	13.8	13.0
28	DBW107 (C)	428	10.8	12.0	9.9	12.4	14.7	12.9	12.1	12.8	12.3	11.8	12.3	12.2
29	NW8000	429	10.3	12.7	12.0	12.6	15.4	13.7	12.8	12.8	12.8	12.6	12.7	12.7
30	PBW835	430	12.8	12.3	12.1	12.7	15.0	13.8	13.1	13.1	13.2	12.6	13.0	13.0
31	Raj4553	431	9.9	10.2	10.9	11.8	15.7	14.1	12.1	12.6	13.2	13.0	12.9	12.5
32	JKW278	432	10.5	11.8	10.3	11.7	14.6	13.1	12.0	12.8	12.8	14.0	13.2	12.6
33	WH1277	433	10.4	12.0	10.9	11.4	13.6	12.0	11.7	13.2	12.5	12.8	12.8	12.3
34	DBW318	434	10.6	10.4	11.7	11.5	13.9	12.6	11.8	13.3	13.8	11.4	12.8	12.3
35	DBW319	435	9.9	11.6	11.6	11.3	14.1	12.4	11.8	12.8	13.5	12.4	12.9	12.3
36	JKW270	436	11.9	12.1	11.5	11.9	14.3	12.9	12.4	13.4	12.8	11.9	12.7	12.6
Mean			10.8	11.8	11.1	11.8	14.0	13.1	12.1	13.2	13.5	12.8	13.2	12.6

Table 19: Sedimentation value (ml) of *T. aestivum* genotypes in NIVT-3A

S. No.	Entry	Trial Code	NWPZ							NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Durgapura	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	K1907	401	46	49	60	48	52	64	53	60	50	49	53	53
2	HD3361	402	52	51	65	51	54	65	56	61	52	57	57	57
3	DBW335	403	33	36	41	35	36	48	38	47	36	37	40	39
4	HD3362	404	61	62	71	62	60	71	65	63	55	51	56	60
5	WH1278	405	53	60	68	53	63	71	61	61	55	53	56	59
6	DBW173 (C)	406	54	51	68	53	56	71	59	60	50	54	55	57
7	UP3065	407	54	50	67	55	60	69	59	58	50	58	55	57
8	NW7092	408	46	45	56	45	53	55	50	57	47	58	54	52
9	HD3363	409	49	53	60	46	55	63	54	60	47	50	52	53
10	PBW836	410	49	52	62	50	54	64	55	50	45	45	47	51
11	DBW317	411	47	52	60	45	51	65	53	52	50	52	51	52
12	K1908	412	38	42	55	36	48	61	47	55	48	51	51	49
13	HD3364	413	47	50	55	47	58	64	54	54	47	55	52	53
14	PBW834	414	47	45	50	44	44	55	48	47	42	54	48	48
15	HUW842	415	55	55	69	53	59	74	61	64	55	59	59	60
16	UP3059	416	55	62	74	50	65	71	63	64	55	61	60	61
17	Raj4552	417	49	53	63	46	55	65	55	52	47	55	51	53
18	HD3360	418	50	52	59	43	53	57	52	60	55	64	60	56
19	UP3061	419	58	60	67	49	60	71	61	63	58	54	58	60
20	HD3365	420	50	55	65	48	67	68	59	66	61	65	64	61
21	WH1276	421	50	45	49	44	53	61	50	52	51	57	53	52
22	Raj4554	422	45	51	62	45	52	60	52	57	48	53	53	53
23	UP3060	423	57	64	71	57	61	71	64	65	61	61	62	63
24	HI1563 (C)	424	49	49	51	42	46	57	49	49	48	50	49	49
25	PBW833	425	46	49	60	45	50	60	52	49	46	48	48	50
26	DBW316	426	44	53	59	42	52	62	52	51	51	56	53	52
27	HD3059 (C)	427	50	60	68	45	55	67	57	62	50	56	56	57
28	DBW107 (C)	428	38	42	43	35	44	45	41	44	45	41	43	42
29	NW8000	429	50	51	71	43	59	53	55	55	53	52	53	54
30	PBW835	430	53	54	68	55	58	72	60	62	54	58	58	59
31	Raj4553	431	53	54	74	48	54	73	59	66	65	59	63	61
32	JKW278	432	51	58	60	51	57	62	56	59	62	58	60	58
33	WH1277	433	50	55	67	51	51	68	57	48	41	57	49	53
34	DBW318	434	41	52	53	35	44	63	48	49	55	48	51	49
35	DBW319	435	40	45	55	40	45	57	47	42	48	47	46	46
36	JKW270	436	53	64	67	52	63	72	62	59	55	53	56	59
Mean			49	52	61	47	54	64	55	56	51	54	54	54

Table 20: Phenol test (Max score 10) of *T. aestivum* genotypes in NIVT-3A

S. No.	Entry	Trial Code	NWPZ					NEPZ				Overall Mean
			Pantnagar	Ludhiana	Delhi	Durgapura	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	K1907	401	6	6	6	7	6.3	7	8	7	7.3	6.8
2	HD3361	402	5	5	6	6	5.5	7	6	6	6.3	5.9
3	DBW335	403	5	6	5	6	5.5	6	6	7	6.3	5.9
4	HD3362	404	7	6	6	7	6.5	5	6	6	5.7	6.1
5	WH1278	405	7	7	6	6	6.5	6	5	6	5.7	6.1
6	DBW173 (C)	406	5	6	6	5	5.5	6	6	5	5.7	5.6
7	UP3065	407	7	7	6	7	6.8	8	8	7	7.7	7.2
8	NW7092	408	8	8	7	7	7.5	7	6	7	6.7	7.1
9	HD3363	409	5	6	6	6	5.8	8	7	7	7.3	6.5
10	PBW836	410	7	7	7	8	7.3	7	6	7	6.7	7.0
11	DBW317	411	8	8	7	8	7.8	6	6	7	6.3	7.0
12	K1908	412	6	7	7	6	6.5	8	7	7	7.3	6.9
13	HD3364	413	7	6	6	6	6.3	6	5	6	5.7	6.0
14	PBW834	414	5	5	4	5	4.8	4	4	5	4.3	4.5
15	HUW842	415	7	7	6	7	6.8	8	7	8	7.7	7.2
16	UP3059	416	6	7	7	6	6.5	6	5	6	5.7	6.1
17	Raj4552	417	7	7	7	6	6.8	6	7	7	6.7	6.7
18	HD3360	418	7	7	6	6	6.5	7	6	6	6.3	6.4
19	UP3061	419	7	8	7	8	7.5	7	7	8	7.3	7.4
20	HD3365	420	6	7	6	7	6.5	7	7	8	7.3	6.9
21	WH1276	421	5	6	5	5	5.3	5	4	4	4.3	4.8
22	Raj4554	422	7	7	6	6	6.5	6	5	6	5.7	6.1
23	UP3060	423	6	7	6	7	6.5	7	6	7	6.7	6.6
24	HI1563 (C)	424	5	6	6	5	5.5	4	5	4	4.3	4.9
25	PBW833	425	7	8	7	7	7.3	6	6	6	6.0	6.6
26	DBW316	426	7	8	8	7	7.5	8	7	7	7.3	7.4
27	HD3059 (C)	427	8	8	7	7	7.5	8	8	7	7.7	7.6
28	DBW107 (C)	428	6	7	6	7	6.5	7	8	7	7.3	6.9
29	NW8000	429	7	8	7	7	7.3	7	6	6	6.3	6.8
30	PBW835	430	7	6	6	7	6.5	8	7	7	7.3	6.9
31	Raj4553	431	7	8	7	7	7.3	6	7	6	6.3	6.8
32	JKW278	432	7	8	7	8	7.5	6	7	7	6.7	7.1
33	WH1277	433	7	7	6	6	6.5	8	7	7	7.3	6.9
34	DBW318	434	5	6	6	6	5.8	7	8	7	7.3	6.5
35	DBW319	435	5	6	6	5	5.5	5	5	6	5.3	5.4
36	JKW270	436	8	8	7	7	7.5	7	7	8	7.3	7.4
Mean			6.4	6.9	6.3	6.5	6.5	6.6	6.3	6.5	6.5	6.5

Table 21: Grain appearance score (Max-10) of *T. aestivum* genotypes in NIVT-3B

S. No.	Entry	Trial Code	CZ					PZ				Overall Mean
			Indore	Vijapur	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
1	LOK77	501	6.8	6.4	5.4	6.7	6.3	-	6.8	5.0	5.9	6.1
2	HD3366	502	6.2	6.5	6.1	6.7	6.4	-	6.4	5.3	5.9	6.2
3	MP3527	503	6.8	6.2	5.0	6.7	6.2	-	7.0	5.8	6.4	6.3
4	NIAW3895	504	7.0	6.5	5.4	6.9	6.5	-	7.0	6.1	6.6	6.6
5	MP1372	505	6.0	6.3	5.0	7.1	6.1	-	7.4	4.4	5.9	6.0
6	CG1035	506	7.4	6.7	5.0	6.7	6.5	-	7.0	5.3	6.2	6.4
7	HD3367	507	6.9	6.2	5.3	6.7	6.3	-	6.5	4.3	5.4	5.9
8	WH1279	508	7.1	6.2	4.2	6.6	6.0	-	6.2	5.2	5.7	5.9
9	HI1651	509	7.3	6.3	5.3	6.8	6.4	-	7.6	6.1	6.9	6.7
10	HI1652	510	6.4	6.2	6.0	6.9	6.4	-	6.8	5.0	5.9	6.2
11	RVW4309	511	6.3	6.1	5.4	6.6	6.1	-	6.4	5.4	5.9	6.0
12	NWS2180	512	6.1	6.4	6.0	6.6	6.3	-	5.4	4.3	4.9	5.6
13	MACS6774	513	6.5	6.4	6.3	6.7	6.5	-	6.4	4.5	5.5	6.0
14	HD2932 (C)	514	4.2	6.1	4.2	6.6	5.3	-	6.4	4.1	5.3	5.3
15	UAS3013	515	4.6	6.3	4.4	6.5	5.5	-	6.3	5.6	6.0	5.8
16	AKAW5080	516	7.0	6.2	5.4	6.8	6.4	-	7.5	6.3	6.9	6.7
17	DBW320	517	4.3	6.2	5.6	6.7	5.7	-	7.0	5.8	6.4	6.1
18	CG1037	518	5.0	6.4	4.0	6.7	5.5	-	7.2	4.2	5.7	5.6
19	GW527	519	5.3	6.5	4.3	7.1	5.8	-	7.3	5.6	6.5	6.2
20	MACS6769	520	6.0	6.4	5.1	6.8	6.1	-	7.4	5.3	6.4	6.3
21	HD2864 (C)	521	6.1	6.1	5.0	6.8	6.0	-	6.4	4.2	5.3	5.7
22	GW525	522	6.8	6.4	4.3	6.7	6.1	-	5.6	4.1	4.9	5.5
23	NIAW3898	523	7.0	6.5	4.1	6.8	6.1	-	6.1	4.0	5.1	5.6
24	MP3529	524	5.3	6.9	4.0	6.9	5.8	-	6.2	5.4	5.8	5.8
25	PBW837	525	6.4	6.4	4.1	6.7	5.9	-	6.2	5.3	5.8	5.9
Mean			6.2	6.4	5.0	6.8	6.1	-	6.7	5.1	5.9	6.0

Table 22: Hectolitre weight (kg/hl) of *T. aestivum* genotypes in NIVT-3B

S. No.	Entry	Trial Code	CZ					PZ				Overall Mean
			Indore	Vijapur	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
1	LOK77	501	77.5	78.0	76.5	77.6	77.4	-	78.5	76.9	77.7	77.6
2	HD3366	502	78.7	80.0	79.4	78.4	79.1	-	79.5	76.6	78.1	78.6
3	MP3527	503	78.5	78.3	77.8	78.8	78.4	-	78.8	76.6	77.7	78.0
4	NIAW3895	504	81.1	80.9	79.8	81.2	80.8	-	80.8	76.8	78.8	79.8
5	MP1372	505	81.3	79.5	78.8	81.3	80.2	-	79.2	77.1	78.2	79.2
6	CG1035	506	79.8	80.3	78.9	78.4	79.4	-	77.9	78.1	78.0	78.7
7	HD3367	507	79.1	77.7	77.8	78.1	78.2	-	78.4	75.7	77.1	77.6
8	WH1279	508	79.9	80.3	76.6	78.9	78.9	-	77.8	74.9	76.4	77.6
9	HI1651	509	79.5	79.2	77.8	79.3	79.0	-	80.2	77.7	79.0	79.0
10	HI1652	510	81.5	80.8	79.5	80.9	80.7	-	79.9	78.4	79.2	79.9
11	RVW4309	511	74.3	76.3	73.6	76.4	75.2	-	73.9	73.6	73.8	74.5
12	NWS2180	512	78.1	80.9	77.6	76.9	78.4	-	78.9	76.8	77.9	78.1
13	MACS6774	513	79.0	80.3	79.1	78.2	79.2	-	79.0	75.3	77.2	78.2
14	HD2932 (C)	514	78.6	79.3	77.2	78.3	78.4	-	75.1	76.0	75.6	77.0
15	UAS3013	515	74.1	75.9	74.4	75.0	74.9	-	77.2	75.3	76.3	75.6
16	AKAW5080	516	77.9	76.7	76.2	78.5	77.3	-	77.8	75.4	76.6	77.0
17	DBW320	517	78.2	78.0	76.9	78.2	77.8	-	77.9	76.3	77.1	77.5
18	CG1037	518	77.3	80.2	77.3	77.8	78.2	-	78.2	77.9	78.1	78.1
19	GW527	519	81.1	81.0	79.3	81.8	80.8	-	80.4	77.8	79.1	80.0
20	MACS6769	520	77.9	80.4	76.8	79.9	78.8	-	79.5	76.2	77.9	78.3
21	HD2864 (C)	521	80.9	80.0	79.8	81.2	80.5	-	80.5	77.6	79.1	79.8
22	GW525	522	78.4	78.1	77.2	77.2	77.7	-	77.7	74.8	76.3	77.0
23	NIAW3898	523	79.3	79.9	78.5	78.9	79.2	-	79.3	77.4	78.4	78.8
24	MP3529	524	80.5	81.5	78.2	80.5	80.2	-	80.3	78.5	79.4	79.8
25	PBW837	525	78.0	78.5	77.2	78.3	78.0	-	78.8	76.7	77.8	77.9
Mean			78.8	79.3	77.7	78.8	78.6	-	78.6	76.6	77.6	78.1

Table 23: Protein content (%) at 12% moisture basis of *T. aestivum* genotypes in NIVT-3B

S. No.	Entry	Trial Code	CZ					PZ				Overall Mean
			Indore	Vijapur	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
1	LOK77	501	10.2	11.3	9.7	13.3	11.1	-	8.5	7.4	8.0	9.5
2	HD3366	502	9.5	10.9	8.5	13.7	10.7	-	8.6	8.9	8.8	9.7
3	MP3527	503	8.5	10.6	10.7	13.1	10.7	-	9.9	9.2	9.6	10.1
4	NIAW3895	504	9.9	11.3	8.5	13.7	10.9	-	8.8	7.3	8.1	9.5
5	MP1372	505	7.4	11.2	9.6	12.7	10.2	-	8.9	7.8	8.4	9.3
6	CG1035	506	-	10.3	9.3	13.2	10.9	-	8.8	7.3	8.1	9.5
7	HD3367	507	9.2	12.1	10.8	14.2	11.6	-	9.5	9.1	9.3	10.4
8	WH1279	508	-	10.7	7.4	12.8	10.3	-	7.7	7.7	7.7	9.0
9	HI1651	509	7.1	11	8	12	9.5	-	8.2	-	8.2	8.9
10	HI1652	510	9.7	11.3	10.4	12.9	11.1	-	8.9	7.9	8.4	9.7
11	RVW4309	511	10.1	10.2	10.5	13.6	11.1	-	8.5	7.1	7.8	9.5
12	NWS2180	512	8.9	10.3	8.5	14.2	10.5	-	7.9	7.8	7.9	9.2
13	MACS6774	513	9.3	11.3	8.8	13.4	10.7	-	7.7	7.9	7.8	9.3
14	HD2932 (C)	514	-	11	8.5	12.8	10.8	-	8.4	-	8.4	9.6
15	UAS3013	515	10.2	10	9.7	13	10.7	-	8.2	-	8.2	9.5
16	AKAW5080	516	7.7	11.7	8.2	14	10.4	-	8.4	7.5	8.0	9.2
17	DBW320	517	-	10.5	8.3	13.3	10.7	-	7.5	7.1	7.3	9.0
18	CG1037	518	9.5	10.8	9.1	13.6	10.8	-	8.3	7.4	7.9	9.3
19	GW527	519	-	11.4	8.8	12.9	11.0	-	7.3	7	7.2	9.1
20	MACS6769	520	9.6	10.6	9.7	13.2	10.8	-	7.9	-	7.9	9.3
21	HD2864 (C)	521	-	10.6	-	12.4	11.5	-	7.8	7.7	7.8	9.6
22	GW525	522	9.5	10.1	9.1	12.2	10.2	-	8	-	8.0	9.1
23	NIAW3898	523	9.8	10.6	9.2	14.2	11.0	-	8	7.4	7.7	9.3
24	MP3529	524	9.5	12.1	10.3	13.8	11.4	-	10.2	8.5	9.4	10.4
25	PBW837	525	8.8	10.1	10.1	13.8	10.7	-	10.9	-	10.9	10.8
Mean			9.2	10.9	9.2	13.3	10.8		8.5	7.8	8.2	9.5

Table 24: Sedimentation value (ml) of *T. aestivum* genotypes in NIVT-3B

S. No.	Entry	Trial Code	CZ					PZ				Overall Mean
			Indore	Vijapur	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
1	LOK77	501	45	40	48	50	46	-	52	49	51	49
2	HD3366	502	52	40	51	52	49	-	55	57	56	53
3	MP3527	503	52	36	43	48	45	-	55	58	57	51
4	NIAW3895	504	59	39	46	50	49	-	54	64	59	54
5	MP1372	505	50	37	43	45	44	-	50	60	55	50
6	CG1035	506	63	36	65	49	53	-	69	66	68	61
7	HD3367	507	60	46	63	54	56	-	65	68	67	62
8	WH1279	508	54	35	63	45	49	-	63	67	65	57
9	HI1651	509	51	38	45	43	44	-	40	50	45	45
10	HI1652	510	43	42	42	49	44	-	42	49	46	45
11	RVW4309	511	57	37	73	53	55	-	65	67	66	61
12	NWS2180	512	62	39	66	53	55	-	64	63	64	60
13	MACS6774	513	66	40	70	50	57	-	70	72	71	64
14	HD2932 (C)	514	49	37	63	46	49	-	60	58	59	54
15	UAS3013	515	54	36	67	46	51	-	74	65	70	61
16	AKAW5080	516	54	43	62	53	53	-	67	54	61	57
17	DBW320	517	60	36	62	49	52	-	64	57	61	57
18	CG1037	518	69	39	70	51	57	-	75	72	74	66
19	GW527	519	50	39	54	43	47	-	60	58	59	53
20	MACS6769	520	45	38	57	49	47	-	55	56	56	52
21	HD2864 (C)	521	46	37	54	43	45	-	60	55	58	52
22	GW525	522	52	34	60	41	47	-	62	63	63	55
23	NIAW3898	523	57	40	74	55	57	-	67	65	66	62
24	MP3529	524	57	45	70	53	56	-	77	70	74	65
25	PBW837	525	60	34	73	51	55	-	78	68	73	64
Mean			55	39	59	49	50	-	62	61	62	56

Table 25: Grain appearance score of *T. durum* genotypes in NIVT-4

S. No	Entry	Trial Code	CZ					PZ				Overall mean
			Indore	Vijapur	P. kheda	Junagadh	Mean	Dharwad	Niphad	Pune	Mean	
1	PWU5	601	6.8	6.6	5.5	6.7	6.4	6.2	6.9	5	6.0	6.2
2	HI8713 (C)	602	6.5	6.8	6.1	6.7	6.5	6.1	6.4	5.2	5.9	6.2
3	HI8826	603	6.9	6.7	5.4	6.9	6.5	6.5	7.3	5.4	6.4	6.4
4	MACS4106	604	6.3	6.3	5.5	7	6.3	5.4	7.4	6.2	6.3	6.3
5	UAS473	605	7	6.5	5.4	6.8	6.4	6.3	7	4.3	5.9	6.1
6	HI8828	606	7.5	6.8	5	6.9	6.6	6	7	5.3	6.1	6.3
7	MPO1375	607	7.1	6.5	5.1	6.9	6.4	5.3	6.6	4.8	5.6	6.0
8	MACS4100	608	7.2	6.6	4.9	6.7	6.4	5.4	6.3	5.3	5.7	6.0
9	WHD965	609	7.6	6.9	5.6	6.9	6.8	7.5	7.5	6.2	7.1	6.9
10	NIDW1348	610	6.6	6.5	6.3	7.1	6.6	5.3	6.4	5.1	5.6	6.1
11	DDW53	611	6.9	6.5	5.5	6.7	6.4	5.1	6.3	5.4	5.6	6.0
12	HI8829	612	5.9	6.7	6	6.8	6.4	6.2	4.3	4.1	4.9	5.6
13	PDW360	613	6.3	6.6	5.5	6.9	6.3	5.3	6.5	4.3	5.4	5.8
14	HI8825	614	4.4	6.7	4.3	6.9	5.6	4.3	6.6	4	5.0	5.3
15	HI8827	615	5.4	6.6	4.5	6.8	5.8	6.5	6.6	5.3	6.1	6.0
16	HI8737 (C)	616	7.1	6.3	5	6.7	6.3	6	7.8	6.2	6.7	6.5
17	DDW54	617	4.6	6.5	5.3	6.7	5.8	5.6	7.1	5.7	6.1	6.0
18	MACS3949 (C)	618	6	7	5.2	7	6.3	5	7.2	4.1	5.4	5.9
19	UAS474	619	5.1	6.5	4.6	6.7	5.7	6.2	7.5	5.6	6.4	6.1
20	PBND4812	620	6.8	6.8	5.2	7	6.5	6	6.3	5.8	6.0	6.2
21	GW1355	621	7.1	6.5	4.5	6.8	6.2	6.3	5.4	6.2	6.0	6.1
22	GW1354	622	6.5	6.5	4.6	6.8	6.1	4.9	6.2	4.3	5.1	5.6
23	NIDW1345	623	6.9	6.3	4.2	6.7	6.0	5.9	6.3	4.1	5.4	5.7
24	MPO1374	624	4.3	6.8	4	6.9	5.5	4.6	6.4	4.2	5.1	5.3
25	MPO1373	625	6.4	6.8	4.2	6.8	6.1	6.5	6	5.4	6.0	6.0
Mean			6.4	6.6	5.1	6.8	6.2	5.8	6.6	5.1	5.8	6.0

Table 26: Hectolitre weight (kg/hl) of *T. durum* genotypes in NIVT-4

S. No	Entry	Trial Code	CZ					PZ				Overall mean
			Indore	Vijapur	P. kheda	Junagadh	Mean	Dharwad	Niphad	Pune	Mean	
1	PWU5	601	78.6	79.3	77.4	81.0	79.1	74	76.2	75.1	75.1	77.1
2	HI8713 (C)	602	78.3	79.6	78.9	81.7	79.6	79.1	81.1	80	80.1	79.8
3	HI8826	603	76.8	81.6	77.5	81.4	79.3	79.1	80.8	80.3	80.1	79.7
4	MACS4106	604	78.9	81	76.8	81.5	79.6	78.2	79.3	77.8	78.4	79.0
5	UAS473	605	78.2	81	78.2	82.6	80.0	77.9	80.8	79.9	79.5	79.8
6	HI8828	606	80.1	81.7	78.4	82.3	80.6	79.9	81.3	78.6	79.9	80.3
7	MPO1375	607	77.4	81.1	79.5	81.4	79.9	78.6	79.7	78.1	78.8	79.3
8	MACS4100	608	73.4	79	78.8	80.4	77.9	79.1	79.7	77	78.6	78.3
9	WHD965	609	78.6	81	79.6	82.4	80.4	77.8	80.7	78.1	78.9	79.6
10	NIDW1348	610	80.5	81.3	79	82.4	80.8	78.6	79.3	80.2	79.4	80.1
11	DDW53	611	79.3	81.2	78.2	81.6	80.1	79	79.8	79.9	79.6	79.8
12	HI8829	612	75.1	79.9	78.3	80.5	78.5	77.9	81.4	80.3	79.9	79.2
13	PDW360	613	69.8	77.3	78.4	78.8	76.1	76.9	80.1	78.9	78.6	77.4
14	HI8825	614	75.8	80.8	78.4	81	79.0	77.4	78.9	77.9	78.1	78.5
15	HI8827	615	75.8	81.8	72.3	81.7	77.9	78.5	80.7	80.1	79.8	78.8
16	HI8737 (C)	616	80	81.9	81.1	82.7	81.4	79.2	79.4	80.4	79.7	80.5
17	DDW54	617	79.6	80	79.6	82	80.3	80.2	81.1	80	80.4	80.4
18	MACS3949 (C)	618	76.5	81.9	79.9	82.5	80.2	80	80.9	80.1	80.3	80.3
19	UAS474	619	76.3	79.8	76.7	81.2	78.5	79.6	79.1	77.2	78.6	78.6
20	PBND4812	620	77.5	80.9	79.1	80.8	79.6	77.9	80.5	79.3	79.2	79.4
21	GW1355	621	72.9	81.1	78.9	81.3	78.6	77.9	80	78.1	78.7	78.6
22	GW1354	622	77.4	80.3	79.6	81.4	79.7	75.7	79.7	79.1	78.2	78.9
23	NIDW1345	623	75.4	82.7	79.9	81.9	80.0	79.9	80	80.1	80.0	80.0
24	MPO1374	624	72.7	80.3	78.2	80.7	78.0	78.1	79.3	77.2	78.2	78.1
25	MPO1373	625	79.4	80.6	78.1	80.5	79.7	78.8	79.6	79.4	79.3	79.5
Mean			76.9	80.7	78.4	81.4	79.4	78.4	79.9	78.9	79.1	79.2

Table 27: Protein content (%) at 12% moisture basis of *T. durum* genotypes in NIVT-4

S. No	Entry	Trial Code	CZ					PZ				Overall mean
			Indore	Vijapur	P. kheda	Junagadh	Mean	Dharwad	Niphad	Pune	Mean	
1	PWU5	601	-	10.6	7.7	12.1	10.1	7.2	8.7	8.1	8.0	9.1
2	HI8713 (C)	602	8	12	11.6	11.9	10.9	10.4	8.5	6.3	8.4	9.6
3	HI8826	603	-	10.3	11	12.3	11.2	9.9	9.3	8.8	9.3	10.3
4	MACS4106	604	10.1	11.4	10.7	12.4	11.2	10.6	9.5	8.7	9.6	10.4
5	UAS473	605	9.7	10.6	11.7	12	11.0	7.5	9.6	9	8.7	9.9
6	HI8828	606	7.7	10.7	10.8	11.7	10.2	8.6	9.9	9.3	9.3	9.7
7	MPO1375	607	10.5	9.9	10.8	11.7	10.7	8.3	9.9	8.9	9.0	9.9
8	MACS4100	608	7.3	10.8	10.1	11	9.8	8.8	-	7.1	8.0	8.9
9	WHD965	609	9.8	12	10.6	12.2	11.2	8.9	8.9	10	9.3	10.2
10	NIDW1348	610	7.7	11.5	11	12.8	10.8	8.9	8.6	7.6	8.4	9.6
11	DDW53	611	9.3	10.2	10.4	11.7	10.4	8.8	8.8	10.2	9.3	9.8
12	HI8829	612	8	11.9	11.6	13.1	11.2	9.6	10.6	9.5	9.9	10.5
13	PDW360	613	8.8	11.4	9.3	12.5	10.5	10	7.9	8.7	8.9	9.7
14	HI8825	614	-	11.6	11.3	12.2	11.7	8.8	9.6	8.6	9.0	10.4
15	HI8827	615	10	10.9	11.3	12.1	11.1	10.5	9.8	10.9	10.4	10.7
16	HI8737 (C)	616	10.6	9.9	9.7	11.5	10.4	10.4	7.7	8.6	8.9	9.7
17	DDW54	617	9.7	10.8	10.1	12	10.7	8.4	9.3	7.2	8.3	9.5
18	MACS3949 (C)	618	10.9	11	11.1	13	11.5	9.9	9.9	9.6	9.8	10.7
19	UAS474	619	8.9	11.2	10.7	11.6	10.6	8.6	6.7	6.8	7.4	9.0
20	PBND4812	620	8.2	11.1	10.6	13.2	10.8	9	8.9	7.1	8.3	9.6
21	GW1355	621	9.7	11.6	10.9	12.6	11.2	7.3	8.8	10.5	8.9	10.0
22	GW1354	622	8.8	11.7	11.8	12	11.1	11.1	9.5	10.8	10.5	10.8
23	NIDW1345	623	9.1	10.6	10	12.3	10.5	8.6	7.9	-	8.3	9.4
24	MPO1374	624	-	11.4	10.1	12.3	11.3	9.7	7.9	9.6	9.1	10.2
25	MPO1373	625	9.5	10.7	9.9	11.9	10.5	7.9	7.7	7.1	7.6	9.0
Mean			9.2	11.0	10.6	12.2	10.8	9.1	8.9	8.7	8.9	9.9

Table 28: Sedimentation value (ml) of *T. durum* genotypes in NIVT-4

S. No	Entry	Trial Code	CZ					PZ				Overall mean
			Indore	Vijapur	P. kheda	Junagadh	Mean	Dharwad	Niphad	Pune	Mean	
1	PWU5	601	55	37	56	43	48	55	55	54	55	51
2	HI8713 (C)	602	31	44	38	43	39	39	33	30	34	36
3	HI8826	603	33	40	38	43	38	33	33	30	32	35
4	MACS4106	604	41	41	43	45	42	40	32	35	36	39
5	UAS473	605	39	41	39	43	40	47	39	36	41	41
6	HI8828	606	30	41	35	43	37	37	35	35	36	36
7	MPO1375	607	20	37	20	41	29	20	18	18	19	24
8	MACS4100	608	40	41	43	43	42	37	39	36	37	40
9	WHD965	609	44	44	44	45	44	43	42	36	40	42
10	NIDW1348	610	35	43	38	47	41	30	30	26	29	35
11	DDW53	611	42	41	37	44	41	43	42	33	39	40
12	HI8829	612	32	45	30	48	39	36	30	26	31	35
13	PDW360	613	37	47	36	48	42	40	34	27	34	38
14	HI8825	614	35	43	33	44	39	34	34	29	32	35
15	HI8827	615	35	41	37	45	39	37	38	32	36	38
16	HI8737 (C)	616	36	38	36	41	38	43	36	36	38	38
17	DDW54	617	36	41	42	43	40	42	38	36	39	40
18	MACS3949 (C)	618	49	42	43	47	45	49	44	43	45	45
19	UAS474	619	41	41	45	43	42	40	41	35	39	41
20	PBND4812	620	43	44	39	49	44	43	40	35	39	41
21	GW1355	621	44	43	42	46	44	37	31	35	34	39
22	GW1354	622	47	43	47	44	45	47	37	38	41	43
23	NIDW1345	623	37	38	41	43	40	41	35	39	38	39
24	MPO1374	624	37	41	45	44	42	46	39	44	43	42
25	MPO1373	625	35	39	45	42	40	48	42	38	43	41
Mean			38	41	40	44	41	40	37	34	37	39

Table 29: Yellow berries incidence of *T. durum* genotypes in NIVT-4

S. No	Entry	Trial Code	CZ					PZ				Overall mean
			Indore	Vijapur	P. kheda	Junagadh	Mean	Dharwad	Niphad	Pune	Mean	
1	PWU5	601	8.1	1.1	1.3	0	2.6	4	0	7	3.7	3.1
2	HI8713 (C)	602	4.1	24	1.5	0	7.4	5	0	3	2.7	5.0
3	HI8826	603	3.1	28.4	13	0	11.1	0	2.3	10	4.1	7.6
4	MACS4106	604	4.4	13	14.3	0	7.9	0	1.4	12	4.5	6.2
5	UAS473	605	0	3	12	1.5	4.1	2	1.5	4.3	2.6	3.4
6	HI8828	606	0	4	11.3	0	3.8	1.1	0	10	3.7	3.8
7	MPO1375	607	1.4	1.1	0	0	0.6	2.1	0	1	1.0	0.8
8	MACS4100	608	1.6	3.5	13	0	4.5	9	0	0	3.0	3.8
9	WHD965	609	1	0	3.3	0	1.1	0	0	2.3	0.8	0.9
10	NIDW1348	610	1.9	0	8.5	0	2.6	0	1.3	0	0.4	1.5
11	DDW53	611	1.1	0	0	0	0.3	0	0	12.1	4.0	2.2
12	HI8829	612	1.3	1	0	0	0.6	0	0	3.3	1.1	0.8
13	PDW360	613	1.7	1.2	3.2	6.3	3.1	0	2.3	5	2.4	2.8
14	HI8825	614	4.2	1	4.3	1.3	2.7	0	0	7.3	2.4	2.6
15	HI8827	615	8.1	0	4.5	0	3.2	13.3	0	0	4.4	3.8
16	HI8737 (C)	616	0	0	1.3	0	0.3	13.6	0	2.1	5.2	2.8
17	DDW54	617	32	10.3	9.3	0	12.9	2	0	11.3	4.4	8.7
18	MACS3949 (C)	618	4	0	14.2	0	4.6	0	0	3	1.0	2.8
19	UAS474	619	25	1.6	3	0	7.4	4	0	20	8.0	7.7
20	PBND4812	620	1.7	1.7	9	0	3.1	2	0	0	0.7	1.9
21	GW1355	621	0	0	1.3	0	0.3	5.1	0	0	1.7	1.0
22	GW1354	622	0	3.5	1.5	0	1.3	0	0	10	3.3	2.3
23	NIDW1345	623	0	1.1	8.3	0	2.4	1.1	0	0	0.4	1.4
24	MPO1374	624	6.1	6.8	8.2	3.9	6.3	0	2.2	4	2.1	4.2
25	MPO1373	625	6.3	5.1	4.3	0	3.9	1	0	0	0.3	2.1
Mean			4.7	4.5	6.0	0.5	3.9	2.6	0.4	5.1	2.7	3.3

Table 30: Yellow pigment (ppm) of *T. durum* genotypes in NIVT-4

S. No	Entry	Trial Code	CZ					PZ				Overall mean
			Indore	Vijapur	P. kheda	Junagadh	Mean	Dharwad	Niphad	Pune	Mean	
1	PWU5	601	5.7	-	4.5	-	5.1	2.7	2.6	3.2	2.8	4.0
2	HI8713 (C)	602	6.1	-	4.9	-	5.5	5.5	4.1	4.5	4.7	5.1
3	HI8826	603	6.3	-	5.1	-	5.7	4.6	5.9	6.4	5.6	5.7
4	MACS4106	604	3.8	-	4.9	-	4.4	3.5	2.9	5.6	4.0	4.2
5	UAS473	605	6.3	-	5.8	-	6.1	4.7	5.1	4.7	4.8	5.5
6	HI8828	606	4.4	-	7.2	-	5.8	4.4	3.9	5.3	4.5	5.2
7	MPO1375	607	4.9	-	3.1	-	4.0	3.1	3.1	3.2	3.1	3.6
8	MACS4100	608	4.3	-	5.1	-	4.7	5.2	6.6	5.3	5.7	5.2
9	WHD965	609	4.8	-	6.7	-	5.8	3.9	2.7	6.3	4.3	5.1
10	NIDW1348	610	5.8	-	4.1	-	5.0	3.1	3.8	3	3.3	4.2
11	DDW53	611	4.9	-	4.6	-	4.8	3.4	3.4	6.5	4.4	4.6
12	HI8829	612	5.8	-	3.5	-	4.7	6.3	6.9	6.1	6.4	5.6
13	PDW360	613	6	-	4.9	-	5.5	3.1	7.6	4.8	5.2	5.3
14	HI8825	614	5.7	-	3.6	-	4.7	2.9	7.2	6.3	5.5	5.1
15	HI8827	615	5.1	-	5.8	-	5.5	3.9	3.7	6.7	4.8	5.1
16	HI8737 (C)	616	5.7	-	4.2	-	5.0	2.4	6.4	5	4.6	4.8
17	DDW54	617	4.8	-	5.3	-	5.1	4.9	6.6	5.3	5.6	5.4
18	MACS3949 (C)	618	5.5	-	7.5	-	6.5	5.2	6.4	4.7	5.4	6.0
19	UAS474	619	2.4	-	2.6	-	2.5	5.1	5.7	4.9	5.2	3.9
20	PBND4812	620	5.8	-	5.6	-	5.7	4.6	8	6.3	6.3	6.0
21	GW1355	621	6	-	4.1	-	5.1	6	5.5	4.4	5.3	5.2
22	GW1354	622	4.7	-	5.5	-	5.1	4.6	2.3	5.8	4.2	4.7
23	NIDW1345	623	4.1	-	3.7	-	3.9	7	6.8	5.8	6.5	5.2
24	MPO1374	624	5.1	-	5.9	-	5.5	4.6	5.4	4.8	4.9	5.2
25	MPO1373	625	4.5	-	5.1	-	4.8	3.5	4.1	6.9	4.8	4.8
Mean			5.1	-	4.9	-	5.1	4.3	5.1	5.3	4.9	5.0

Table 31: Grain appearance score (Max-10) of *T. aestivum* genotypes in NIVT-5A

S. No	Entry	Trial Code	NWPZ						NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	WH1280	701	5.5	4.0	5.8	5.0	6.0	5.3	5.5	5.0	5.0	5.2	5.2
2	HD3368	702	5.5	5.0	6.0	6.0	7.0	5.9	5.5	5.5	6.5	5.8	5.9
3	HD3369	703	6.0	5.5	5.8	5.5	6.2	5.8	6.5	5.0	6.0	5.8	5.8
4	DBW321	704	6.5	4.5	-	5.0	6.4	5.6	5.5	5.0	6.0	5.5	5.6
5	BRW3863	705	6.0	5.0	6.0	5.0	6.4	5.7	6.0	5.0	5.5	5.5	5.6
6	WH1281	706	6.0	5.0	4.8	5.0	6.0	5.4	5.5	5.0	5.5	5.3	5.3
7	DBW324	707	5.0	5.0	4.8	5.0	5.8	5.1	5.0	5.5	5.0	5.2	5.1
8	HD3171 (C)	708	5.5	5.0	5.0	5.5	6.4	5.5	6.5	5.0	5.0	5.5	5.5
9	UP3063	709	5.0	5.5	4.8	5.0	5.8	5.2	5.5	4.5	5.0	5.0	5.1
10	JAUW683	710	6.0	5.0	5.2	5.0	6.4	5.5	6.0	4.5	6.0	5.5	5.5
11	K1910	711	5.5	6.0	5.6	5.0	7.0	5.8	5.5	5.5	6.0	5.7	5.7
12	PBW644 (C)	712	6.5	5.5	5.6	5.0	6.8	5.9	5.5	5.5	5.5	5.5	5.7
13	HI1654	713	6.5	6.0	5.2	4.5	6.0	5.6	6.0	5.5	6.0	5.8	5.7
14	K1317 (C)	714	6.5	5.5	5.8	4.5	6.8	5.8	5.5	5.5	6.5	5.8	5.8
15	NW7096	715	6.5	5.0	5.4	5.5	6.0	5.7	6.5	5.0	6.0	5.8	5.8
16	DBW323	716	6.0	5.0	5.6	5.5	6.6	5.7	6.0	5.0	5.5	5.5	5.6
17	HI1653	717	6.0	6.0	6.0	6.0	6.4	6.1	6.5	5.0	5.5	5.7	5.9
18	PBW848	718	6.5	5.5	6.2	5.0	6.6	6.0	6.0	4.5	5.5	5.3	5.6
19	PBW839	719	6.5	5.5	5.6	5.0	6.6	5.8	5.5	5.5	5.5	5.5	5.7
20	HUW843	720	5.5	5.0	5.4	5.0	6.4	5.5	5.0	5.0	4.5	4.8	5.1
21	PBW838	721	6.0	5.0	5.0	5.0	6.4	5.5	5.5	4.5	5.5	5.2	5.3
22	DBW322	722	6.5	5.0	5.8	5.5	6.8	5.9	5.5	5.0	5.5	5.3	5.6
23	WH1142 (C)	723	5.5	5.0	5.2	5.0	6.0	5.3	5.0	5.0	4.5	4.8	5.1
24	BCW5	724	7.0	6.0	5.0	6.0	6.2	6.0	6.0	5.5	6.5	6.0	6.0
25	UP3062	725	5.5	5.0	5.2	4.5	6.2	5.3	6.0	5.5	5.5	5.7	5.5
Mean			6.0	5.2	5.5	5.2	6.4	5.6	5.7	5.1	5.6	5.5	5.6

Table 32: Hectolitre weight (kg/hl) of *T. aestivum* genotypes in NIVT-5A

S. No	Entry	Trial Code	NWPZ						NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	WH1280	701	76.2	66.1	78.3	72.0	69.6	72.5	76.1	71.3	69.7	72.4	72.4
2	HD3368	702	77.2	76.7	81.6	74.1	80.1	77.9	78.0	72.2	76.3	75.5	76.7
3	HD3369	703	79.2	80.4	78.6	78.0	81.5	79.5	77.4	72.0	76.0	75.1	77.3
4	DBW321	704	78.7	72.4	-	76.5	80.5	77.1	77.6	71.1	72.4	73.7	75.4
5	BRW3863	705	80.5	77.4	83.2	77.3	82.1	80.1	82.4	72.8	75.2	76.8	78.4
6	WH1281	706	77.5	78.1	79.5	76.0	78.7	77.9	80.4	74.0	72.6	75.6	76.8
7	DBW324	707	74.8	78.8	79.2	78.9	78.0	77.9	78.5	73.0	71.4	74.3	76.1
8	HD3171 (C)	708	73.9	72.7	77.4	78.1	80.0	76.4	77.5	72.6	73.0	74.3	75.4
9	UP3063	709	77.5	79.2	79.5	78.2	80.0	78.9	79.9	71.8	72.5	74.7	76.8
10	JAUW683	710	76.3	74.3	74.6	72.6	78.3	75.2	77.4	71.5	70.4	73.1	74.2
11	K1910	711	80.2	78.8	80.0	78.7	81.3	79.8	80.4	74.7	72.5	75.9	77.8
12	PBW644 (C)	712	78.6	71.2	77.6	78.1	79.7	77.0	79.5	72.0	74.0	75.2	76.1
13	HI1654	713	77.1	78.2	78.0	74.1	81.0	77.7	77.6	70.4	73.5	73.8	75.8
14	K1317 (C)	714	77.7	80.3	81.0	69.0	80.7	77.8	80.4	74.1	76.5	77.0	77.4
15	NW7096	715	78.8	66.7	77.4	76.5	78.5	75.6	78.8	71.4	72.9	74.4	75.0
16	DBW323	716	79.5	81.9	78.2	76.5	79.3	79.1	80.1	72.4	74.3	75.6	77.3
17	HI1653	717	76.2	75.7	75.7	74.7	78.4	76.1	77.8	71.4	74.0	74.4	75.3
18	PBW848	718	78.8	79.2	80.3	76.1	80.5	79.0	76.3	71.8	76.8	75.0	77.0
19	PBW839	719	79.2	74.6	79.0	75.0	80.5	77.7	80.0	72.8	76.8	76.5	77.1
20	HUW843	720	71.6	73.6	77.2	77.1	78.5	75.6	75.7	69.2	61.0	68.6	72.1
21	PBW838	721	78.8	78.7	78.0	76.9	79.6	78.4	80.3	68.4	73.1	73.9	76.1
22	DBW322	722	74.8	77.5	79.0	75.7	80.0	77.4	76.5	72.8	72.9	74.0	75.7
23	WH1142 (C)	723	78.4	72.5	80.5	77.2	76.6	77.0	75.4	72.8	70.2	72.8	74.9
24	BCW5	724	75.9	75.5	84.5	71.2	78.0	77.0	80.0	71.8	73.2	75.0	76.0
25	UP3062	725	76.7	79.1	78.5	77.3	79.0	78.1	77.5	71.9	68.8	72.7	75.4
Mean			77.4	76.0	79.0	75.8	79.2	77.5	78.4	72.0	72.8	74.4	75.9

Table 33: Protein content (%) at 12% moisture basis of *T. aestivum* genotypes in NIVT-5A

S. No	Entry	Trial Code	NWPZ						NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	WH1280	701	11.4	12.7	8.8	13.4	11.0	11.4	10.3	12.8	12.3	11.8	11.6
2	HD3368	702	9.9	11.8	9.4	11.6	11.2	10.8	10.1	12.9	10.6	11.2	11.0
3	HD3369	703	10.8	11.8	9.6	12.5	10.8	11.1	9.9	12.4	9.6	10.6	10.9
4	DBW321	704	9.6	11.7	-	12.5	10.1	11.0	11.5	10.5	10.3	10.8	10.9
5	BRW3863	705	11.3	13.7	10.7	15.0	12.1	12.5	12.9	13.5	12.1	12.8	12.7
6	WH1281	706	9.9	12.7	10.0	12.6	11.5	11.3	10.1	12.1	9.6	10.6	11.0
7	DBW324	707	12.1	11.5	9.5	13.0	11.0	11.4	10.4	12.1	10.8	11.1	11.3
8	HD3171 (C)	708	11.9	12.0	10.3	12.3	11.6	11.6	10.2	11.6	11.0	10.9	11.3
9	UP3063	709	12.8	13.5	10.7	14.4	11.4	12.6	12.1	14.1	11.8	12.6	12.6
10	JAUW683	710	12.1	12.3	9.4	14.0	12.1	12.0	12.2	13.9	10.9	12.3	12.2
11	K1910	711	10.9	12.4	10.3	14.3	11.9	11.9	11.7	13.8	10.6	12.0	12.0
12	PBW644 (C)	712	10.6	11.4	10.4	13.0	10.6	11.2	10.3	13.0	9.7	11.0	11.1
13	HI1654	713	10.6	11.5	9.6	12.8	11.2	11.2	9.9	11.4	9.8	10.4	10.8
14	K1317 (C)	714	10.8	13.0	10.1	14.6	11.7	12.1	12.0	11.6	10.9	11.5	11.8
15	NW7096	715	10.5	13.6	10.9	12.6	12.1	11.9	9.8	11.4	10.6	10.6	11.3
16	DBW323	716	12.0	12.9	9.1	13.7	12.0	11.9	11.4	11.2	11.4	11.3	11.6
17	HI1653	717	11.4	12.1	9.3	12.4	11.2	11.3	9.8	11.9	11.1	10.9	11.1
18	PBW848	718	11.1	12.9	10.5	13.4	11.1	11.8	10.7	10.8	10.7	10.8	11.3
19	PBW839	719	11.4	11.4	9.8	12.9	10.9	11.3	10.9	10.9	10.2	10.7	11.0
20	HUW843	720	12.2	12.7	9.2	12.4	12.5	11.8	10.6	12.3	10.6	11.2	11.5
21	PBW838	721	11.5	11.4	9.6	13.3	11.4	11.4	9.9	12.2	9.8	10.6	11.0
22	DBW322	722	10.6	10.9	9.7	12.5	11.5	11.0	10.6	11.8	9.9	10.8	10.9
23	WH1142 (C)	723	9.7	11.1	8.5	13.2	11.3	10.8	8.9	10.6	11.0	10.1	10.5
24	BCW5	724	11.6	13.3	10.5	14.8	11.5	12.3	10.3	10.5	10.3	10.4	11.4
25	UP3062	725	10.4	11.6	8.8	13.0	12.5	11.3	10.2	10.6	10.8	10.6	10.9
Mean			11.1	12.2	9.8	13.2	11.4	11.6	10.7	12.0	10.7	11.1	11.3

Table 34: Sedimentation value (ml) of *T. aestivum* genotypes in NIVT-5A

S. No	Entry	Trial Code	NWPZ						NEPZ				Overall Mean
			Pantnagar	Ludhiana	Hisar	Delhi	Karnal	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	WH1280	701	57	56	63	53	74	61	55	59	65	60	60
2	HD3368	702	52	58	64	59	67	60	59	60	62	60	60
3	HD3369	703	54	63	73	54	76	64	59	66	62	62	63
4	DBW321	704	51	47	-	44	63	51	59	44	48	50	51
5	BRW3863	705	40	40	54	37	60	46	44	45	42	44	45
6	WH1281	706	44	54	61	51	70	56	53	51	44	49	53
7	DBW324	707	42	47	57	48	62	51	51	51	46	49	50
8	HD3171 (C)	708	48	55	67	57	71	60	53	53	56	54	57
9	UP3063	709	27	35	45	41	43	38	35	33	37	35	37
10	JAUW683	710	43	52	49	45	55	49	37	49	53	46	48
11	K1910	711	42	42	54	37	53	46	35	48	51	45	45
12	PBW644 (C)	712	42	38	54	36	51	44	40	45	43	43	43
13	HI1654	713	45	48	55	52	60	52	42	51	53	49	50
14	K1317 (C)	714	44	35	53	37	53	44	40	51	54	48	46
15	NW7096	715	40	42	59	47	62	50	39	49	53	47	48
16	DBW323	716	40	44	50	44	55	47	43	43	58	48	47
17	HI1653	717	52	52	61	57	70	58	50	52	64	55	57
18	PBW848	718	53	45	56	46	61	52	51	49	66	55	54
19	PBW839	719	38	34	43	37	43	39	35	33	41	36	38
20	HUW843	720	52	45	51	44	57	50	40	48	48	45	48
21	PBW838	721	62	49	60	45	69	57	41	45	57	48	52
22	DBW322	722	53	51	59	50	62	55	45	49	52	49	52
23	WH1142 (C)	723	44	41	49	43	55	46	44	38	46	43	45
24	BCW5	724	59	44	59	48	61	54	45	47	45	46	50
25	UP3062	725	47	34	36	42	46	41	32	40	33	35	38
Mean			47	46	55	46	60	51	45	48	51	48	49

Table 35: Phenol test (Max-10) of *T. aestivum* genotypes in NIVT-5A

S. No	Entry	Trial Code	NWPZ				NEPZ				Overall Mean
			Pantnagar	Ludhiana	Delhi	Mean	Kanpur	Samastipur	Varanasi	Mean	
1	WH1280	701	7	7	7	7.0	8	7	7	7.3	7.2
2	HD3368	702	6	7	6	6.3	7	6	7	6.7	6.5
3	HD3369	703	7	8	7	7.3	7	7	6	6.7	7.0
4	DBW321	704	7	6	6	6.3	8	7	8	7.7	7.0
5	BRW3863	705	7	7	8	7.3	7	7	8	7.3	7.3
6	WH1281	706	8	8	7	7.7	6	6	7	6.3	7.0
7	DBW324	707	7	7	6	6.7	7	7	8	7.3	7.0
8	HD3171 (C)	708	5	6	6	5.7	6	6	7	6.3	6.0
9	UP3063	709	7	6	6	6.3	7	7	6	6.7	6.5
10	JAUW683	710	6	6	6	6.0	6	5	6	5.7	5.8
11	K1910	711	4	5	4	4.3	6	7	6	6.3	5.3
12	PBW644 (C)	712	7	8	8	7.7	5	6	6	5.7	6.7
13	HI1654	713	6	7	6	6.3	6	6	7	6.3	6.3
14	K1317 (C)	714	4	4	5	4.3	5	6	5	5.3	4.8
15	NW7096	715	7	8	8	7.7	5	5	6	5.3	6.5
16	DBW323	716	6	5	6	5.7	5	5	6	5.3	5.5
17	HI1653	717	7	7	8	7.3	7	8	8	7.7	7.5
18	PBW848	718	7	8	8	7.7	6	7	7	6.7	7.2
19	PBW839	719	8	7	7	7.3	7	7	7	7.0	7.2
20	HUW843	720	7	8	7	7.3	6	6	6	6.0	6.7
21	PBW838	721	8	7	8	7.7	8	7	7	7.3	7.5
22	DBW322	722	7	6	7	6.7	7	6	7	6.7	6.7
23	WH1142 (C)	723	7	8	7	7.3	6	7	6	6.3	6.8
24	BCW5	724	7	7	8	7.3	7	7	7	7.0	7.2
25	UP3062	725	6	6	7	6.3	7	6	7	6.7	6.5
Mean			6.6	6.8	6.8	6.7	6.5	6.4	6.7	6.5	6.6

Table 36: Grain appearance score (Max-10) of *T. aestivum* and *T. durum* genotypes in NIVT-5B

S. No	Entry	Trial Code	CZ					PZ				Overall Mean
			Vijapur	Indore	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
<i>T. aestivum</i>												
1	DBW326	801	6.6	7.4	6.9	6.7	6.9	6.4	7.3	6.3	6.7	6.8
2	GW528	802	6.6	7.8	6.3	6.7	6.9	5.8	7.3	6.1	6.4	6.6
3	MP1367	803	7.0	7.5	7.4	6.6	7.1	7.1	7.9	6.9	7.3	7.2
4	MACS6753	807	7.1	7.9	7.4	6.9	7.3	7.1	7.6	6.8	7.2	7.2
5	HD3372	808	6.7	8.3	7.6	6.7	7.3	7.4	7.4	7.4	7.4	7.4
6	HI1655	812	7.0	8.1	7.9	6.8	7.5	7.6	8.4	7.4	7.8	7.6
7	HD3371	813	6.2	7.0	6.3	6.5	6.5	7.1	7.4	8.1	7.5	7.0
8	NIAW3855	815	6.5	6.8	7.5	6.8	6.9	7.9	7.9	7.3	7.7	7.3
9	MP3523	818	6.7	8.4	7.5	6.6	7.3	7.3	7.6	7.8	7.6	7.4
10	NIAW3851	819	6.8	7.8	7.0	6.7	7.1	7.9	7.9	7.3	7.7	7.4
11	CG1036	820	7.2	7.9	7.3	6.9	7.3	7.4	7.9	6.8	7.4	7.3
12	UAS3014	821	6.5	7.6	7.6	6.7	7.1	8.1	7.6	7.9	7.9	7.5
13	MP1368	822	6.5	8.1	7.4	6.6	7.2	7.9	8.1	7.4	7.8	7.5
14	MACS6755	823	7.1	8.4	7.5	6.9	7.5	8.4	8.1	8.1	8.2	7.8
15	AKAW5088	824	7.2	8.1	7.8	6.9	7.5	7.3	8.1	7.9	7.8	7.6
16	DBW325	825	6.7	7.9	6.5	6.8	7.0	7.3	7.9	6.9	7.4	7.2
17	HI1605 (C)	809	6.6	7.3	6.8	6.7	6.9	7.4	7.4	6.8	7.2	7.0
18	DBW110 (C)	810	6.7	7.3	7.1	6.7	7.0	7.6	7.3	7.1	7.3	7.1
Mean			6.8	7.8	7.2	6.7	7.1	7.4	7.7	7.2	7.5	7.3
<i>T. durum</i>												
19	UAS475(d)	805	6.5	7.4	7.1	6.8	7.0	7.6	7.8	8.0	7.8	7.4
20	DDW55(d)	806	7.1	7.9	7.9	6.8	7.4	7.5	7.6	7.6	7.6	7.5
21	HI8830(d)	811	6.9	8.4	7.6	6.9	7.5	7.4	8.4	7.3	7.7	7.6
22	GW1356(d)	814	6.7	8.1	7.9	6.7	7.4	8.1	8.4	8.4	8.3	7.8
23	HI8831(d)	817	6.7	7.3	7.9	6.7	7.2	7.6	7.6	7.6	7.6	7.4
24	UAS446(d) (C)	804	6.6	8.1	7.6	6.7	7.3	7.4	8.1	8.1	7.9	7.6
25	HI8627(d) (C)	816	6.5	7.9	7.6	6.7	7.2	7.9	7.4	7.4	7.6	7.4
Mean			6.7	7.9	7.7	6.8	7.3	7.6	7.9	7.8	7.8	7.5

Table 37: Hectolitre weight (kg/hl) of *T. aestivum* and *T. durum* genotypes in NIVT-5B

S. No	Entry	Trial Code	CZ					PZ				Overall Mean
			Vijapur	Indore	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
<i>T. aestivum</i>												
1	DBW326	801	77.5	83.2	82.5	78.2	80.4	80.7	80.7	80.3	80.6	80.5
2	GW528	802	78.1	85.0	83.5	79.8	81.6	80.5	81.4	81.0	81.0	81.3
3	MP1367	803	80.8	86.3	84.1	78.8	82.5	81.6	79.2	81.2	80.7	81.6
4	MACS6753	807	80.7	86.0	83.4	80.5	82.7	81.0	81.3	82.1	81.5	82.1
5	HD3372	808	79.4	85.3	84.1	78.9	81.9	80.3	81.3	80.5	80.7	81.3
6	HI1655	812	78.6	80.9	82.0	77.6	79.8	82.1	82.0	81.8	82.0	80.9
7	HD3371	813	73.0	81.5	81.4	76.6	78.1	80.1	80.1	78.3	79.5	78.8
8	NIAW3855	815	80.0	84.6	84.2	79.9	82.2	81.2	80.4	83.7	81.8	82.0
9	MP3523	818	80.3	84.0	83.4	78.4	81.5	80.6	78.4	81.3	80.1	80.8
10	NIAW3851	819	77.1	83.2	82.3	78.1	80.2	78.1	81.1	79.3	79.5	79.8
11	CG1036	820	80.3	87.1	84.9	81.2	83.4	81.8	85.7	82.4	83.3	83.3
12	UAS3014	821	74.9	82.6	82.0	76.7	79.1	77.9	79.8	80.0	79.2	79.1
13	MP1368	822	77.4	84.6	80.4	76.2	79.7	78.1	76.9	78.4	77.8	78.7
14	MACS6755	823	80.6	86.5	84.5	80.4	83.0	81.8	85.4	83.7	83.6	83.3
15	AKAW5088	824	82.0	85.9	85.6	81.2	83.7	82.0	82.1	83.9	82.7	83.2
16	DBW325	825	77.3	82.1	82.8	78.4	80.2	78.9	81.0	78.1	79.3	79.7
17	HI1605 (C)	809	79.7	86.2	84.2	79.5	82.4	83.0	82.9	83.8	83.2	82.8
18	DBW110 (C)	810	77.3	82.6	83.3	78.6	80.5	80.2	81.6	80.4	80.7	80.6
Mean			78.6	84.3	83.3	78.8	81.3	80.6	81.2	81.1	81.0	81.1
<i>T. durum</i>												
19	UAS475(d)	805	76.6	83.2	83.8	78.7	80.6	80.5	82.6	82.7	81.9	81.3
20	DDW55(d)	806	81.1	86.4	83.9	80.9	83.1	82.8	85.9	83.8	84.2	83.6
21	HI8830(d)	811	77.2	86.8	85.5	78.6	82.0	83.7	83.1	84.3	83.7	82.9
22	GW1356(d)	814	73.7	76.6	77.3	72.3	75.0	70.6	72.1	71.7	71.5	73.2
23	HI8831(d)	817	78.5	85.6	85.1	79.2	82.1	77.6	85.3	85.4	82.8	82.4
24	UAS446(d) (C)	804	79.4	86.8	86.5	79.5	83.1	83.0	82.7	84.2	83.3	83.2
25	HI8627(d) (C)	816	79.0	86.7	83.8	77.3	81.7	80.6	83.3	85.0	83.0	82.3
Mean			77.9	84.6	83.7	78.1	81.1	79.8	82.1	82.4	81.5	81.3

Table 38: Protein content (%) at 12% moisture basis of *T. aestivum* and *T. durum* genotypes in NIVT-5B

S. No	Entry	Trial Code	CZ					PZ				Overall Mean
			Vijapur	Indore	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
<i>T. aestivum</i>												
1	DBW326	801	11.9	8.6	9.9	12.6	10.8	12.4	8.2	10.6	10.4	10.6
2	GW528	802	13.0	9.0	10.3	14.7	11.8	14.4	11.4	12.9	12.9	12.3
3	MP1367	803	11.6	9.2	11.0	15.6	11.9	14.8	12.6	13.1	13.5	12.7
4	MACS6753	807	12.0	10.0	11.2	14.3	11.9	12.6	12.7	13.1	12.8	12.3
5	HD3372	808	12.8	10.6	12.1	15.1	12.7	15.2	12.8	11.0	13.0	12.8
6	HI1655	812	10.6	8.7	11.1	13.0	10.9	12.8	9.1	10.9	10.9	10.9
7	HD3371	813	12.5	9.8	9.2	13.2	11.2	10.4	11.7	11.9	11.3	11.3
8	NIAW3855	815	10.7	9.4	10.8	13.9	11.2	11.5	11.1	10.6	11.1	11.1
9	MP3523	818	11.6	9.5	10.0	14.1	11.3	14.2	11.4	12.2	12.6	12.0
10	NIAW3851	819	11.5	9.0	10.6	12.9	11.0	13.2	10.1	10.6	11.3	11.2
11	CG1036	820	11.1	8.4	9.6	12.4	10.4	12.7	9.8	10.7	11.1	10.7
12	UAS3014	821	12.5	9.2	11.5	14.0	11.8	12.6	11.9	11.3	11.9	11.9
13	MP1368	822	13.2	10.1	10.8	15.4	12.4	15.8	12.4	13.2	13.8	13.1
14	MACS6755	823	12.6	9.7	9.9	12.8	11.3	13.1	10.9	11.6	11.9	11.6
15	AKAW5088	824	12.3	9.7	9.5	14.4	11.5	14.1	10.9	11.3	12.1	11.8
16	DBW325	825	12.0	9.9	10.8	13.2	11.5	11.7	11.1	12.5	11.8	11.6
17	HI1605 (C)	809	11.6	9.9	11.4	14.4	11.8	13.5	11.2	11.7	12.1	12.0
18	DBW110 (C)	810	11.9	9.6	10.3	13.4	11.3	13.4	11.1	10.6	11.7	11.5
Mean			12.0	9.5	10.6	13.9	11.5	13.2	11.1	11.7	12.0	11.7
<i>T. durum</i>												
19	UAS475(d)	805	12.0	9.2	9.7	13.3	11.1	11.7	10.7	10.5	11.0	11.0
20	DDW55(d)	806	12.7	9.1	10.6	13.0	11.4	13.1	12.1	10.4	11.9	11.6
21	HI8830(d)	811	13.8	9.9	9.2	13.4	11.6	10.7	12.6	9.3	10.9	11.2
22	GW1356(d)	814	11.9	10.2	10.2	14.2	11.6	13.3	13.2	14.1	13.5	12.6
23	HI8831(d)	817	11.7	9.2	10.4	13.2	11.1	12.3	11.2	10.6	11.4	11.2
24	UAS446(d) (C)	804	10.6	10.0	9.2	13.8	10.9	14.1	14.1	12.1	13.4	12.2
25	HI8627(d) (C)	816	11.2	10.8	9.7	14.6	11.6	11.9	12.4	12.1	12.1	11.9
Mean			12.0	9.8	9.9	13.6	11.3	12.4	12.3	11.3	12.0	11.7

Table 39: Sedimentation value (ml) of *T. aestivum* and *T. durum* genotypes in NIVT-5B

S. No	Entry	Trial Code	CZ					PZ				Overall Mean
			Vijapur	Indore	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
<i>T. aestivum</i>												
1	DBW326	801	46	47	43	46	46	44	50	54	49	47
2	GW528	802	47	50	49	53	50	44	54	56	51	51
3	MP1367	803	46	48	47	56	49	43	51	61	52	50
4	MACS6753	807	45	54	50	54	51	45	62	66	58	54
5	HD3372	808	47	65	66	54	58	57	70	73	67	62
6	HI1655	812	44	44	43	48	45	50	46	56	51	48
7	HD3371	813	45	68	60	46	55	66	74	80	73	64
8	NIAW3855	815	45	53	52	51	50	54	60	66	60	55
9	MP3523	818	44	46	49	50	47	50	65	66	60	54
10	NIAW3851	819	46	50	51	49	49	52	56	57	55	52
11	CG1036	820	40	47	51	41	45	53	56	63	57	51
12	UAS3014	821	47	54	57	52	53	62	68	73	68	60
13	MP1368	822	47	49	53	55	51	52	62	66	60	56
14	MACS6755	823	47	52	49	44	48	54	57	64	58	53
15	AKAW5088	824	45	42	42	53	46	44	50	51	48	47
16	DBW325	825	45	56	55	49	51	56	59	62	59	55
17	HI1605 (C)	809	48	65	54	53	55	54	57	76	62	59
18	DBW110 (C)	810	46	57	54	49	52	55	52	57	55	53
Mean			46	53	51	50	50	52	58	64	58	54
<i>T. durum</i>												
19	UAS475(d)	805	48	36	32	48	41	35	36	44	38	40
20	DDW55(d)	806	48	36	32	48	41	36	36	36	36	39
21	HI8830(d)	811	50	29	28	50	39	35	32	35	34	37
22	GW1356(d)	814	43	41	37	52	43	39	43	44	42	43
23	HI8831(d)	817	48	32	31	48	40	35	33	40	36	38
24	UAS446(d) (C)	804	47	39	36	50	43	41	41	47	43	43
25	HI8627(d) (C)	816	47	28	27	50	38	31	31	34	32	35
Mean			47	34	32	49	41	36	36	40	37	39

Table 40: Yellow berry incidence (%) of *T. aestivum* and *T. durum* genotypes in NIVT-5B

S. No	Entry	Trial Code	CZ					PZ				Overall Mean
			Vijapur	Indore	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
<i>T. aestivum</i>												
1	DBW326	801		34.0	17.5		25.8	5.5	11.5	19.0	12.0	18.9
2	GW528	802		4.5	32.0		18.3	3.5	11.0	19.0	11.2	14.7
3	MP1367	803		11.5	27.0		19.3	3.5	7.5	5.0	5.3	12.3
4	MACS6753	807		9.5	26.0		17.8	6.3	7.5	8.0	7.3	12.5
5	HD3372	808		13.0	17.0		15.0	2.3	14.5	15.5	10.8	12.9
6	HI1655	812		4.0	15.0		9.5	4.0	4.5	13.5	7.3	8.4
7	HD3371	813		12.0	33.0		22.5	12.5	7.5	12.0	10.7	16.6
8	NIAW3855	815		44.5	21.5		33.0	9.5	28.0	19.0	18.8	25.9
9	MP3523	818		11.0	23.0		17.0	3.0	21.0	9.0	11.0	14.0
10	NIAW3851	819		6.5	16.5		11.5	3.8	20.5	24.0	16.1	13.8
11	CG1036	820		15.5	23.5		19.5	3.3	13.5	11.0	9.3	14.4
12	UAS3014	821		21.0	17.5		19.3	2.3	14.0	18.5	11.6	15.4
13	MP1368	822		7.5	19.5		13.5	2.5	5.5	9.0	5.7	9.6
14	MACS6755	823		10.5	42.0		26.3	2.8	23.5	24.0	16.8	21.5
15	AKAW5088	824		11.0	24.5		17.8	2.8	12.5	8.0	7.8	12.8
16	DBW325	825		5.5	27.0		16.3	3.3	7.0	15.5	8.6	12.4
17	HI1605 (C)	809		17.0	24.5		20.8	4.3	15.0	15.0	11.4	16.1
18	DBW110 (C)	810		23.0	21.5		22.3	4.5	16.5	13.5	11.5	16.9
Mean				14.5	23.8		19.2	4.4	13.4	14.4	10.7	14.9
<i>T. durum</i>												
19	UAS475(d)	805		31.0	21.0		26.0	18.8	11.5	9.0	13.1	19.6
20	DDW55(d)	806		16.0	14.0		15.0	15.5	14.5	8.5	12.8	13.9
21	HI8830(d)	811		9.0	20.0		14.5	33.0	4.0	26.0	21.0	17.8
22	GW1356(d)	814		15.5	19.5		17.5	7.5	8.5	8.5	8.2	12.8
23	HI8831(d)	817		26.5	17.5		22.0	14.8	23.0	15.5	17.8	19.9
24	UAS446(d) (C)	804		10.0	24.5		17.3	2.3	5.5	6.0	4.6	10.9
25	HI8627(d) (C)	816		4.0	21.5		12.8	11.3	7.5	19.0	12.6	12.7
Mean				16.0	19.7		17.9	14.7	10.6	13.2	12.9	15.4

Table 41: Yellow Pigment (ppm) of *T. aestivum* and *T. durum* genotypes in NIVT-5B

S. No	Entry	Trial Code	CZ					PZ				Overall Mean
			Vijapur	Indore	P. kheda	Junagarh	Mean	Dharwad	Niphad	Pune	Mean	
<i>T. aestivum</i>												
1	DBW326	801		1.81	1.48		1.65	1.96	1.80	1.90	1.89	1.77
2	GW528	802		2.05	2.06		2.06	2.40	2.39	2.40	2.40	2.23
3	MP1367	803		2.38	2.37		2.38	2.67	2.38	2.65	2.57	2.47
4	MACS6753	807		2.48	2.17		2.33	2.66	2.40	2.53	2.53	2.43
5	HD3372	808		3.12	2.75		2.94	3.10	3.04	2.43	2.86	2.90
6	HI1655	812		3.14	3.17		3.16	2.73	2.71	2.96	2.80	2.98
7	HD3371	813		5.84	5.79		5.82	6.18	6.29	6.42	6.30	6.06
8	NIAW3855	815		2.74	2.78		2.76	3.12	3.50	3.00	3.21	2.98
9	MP3523	818		1.90	1.48		1.69	2.24	2.18	2.06	2.16	1.93
10	NIAW3851	819		3.16	3.06		3.11	2.51	2.59	3.40	2.83	2.97
11	CG1036	820		2.01	1.85		1.93	1.96	2.07	2.39	2.14	2.04
12	UAS3014	821		2.65	2.31		2.48	2.02	2.63	2.92	2.52	2.50
13	MP1368	822		2.83	2.66		2.75	2.90	2.93	2.65	2.83	2.79
14	MACS6755	823		2.51	2.21		2.36	2.31	2.52	2.66	2.50	2.43
15	AKAW5088	824		2.38	2.31		2.35	2.06	2.34	2.30	2.23	2.29
16	DBW325	825		2.47	2.15		2.31	2.10	2.32	2.17	2.20	2.25
17	HI1605 (C)	809		1.74	1.70		1.72	2.32	2.30	2.06	2.23	1.97
18	DBW110 (C)	810		2.24	2.21		2.23	2.58	2.88	2.53	2.66	2.44
Mean				2.64	2.47		2.55	2.66	2.74	2.75	2.71	2.63
<i>T. durum</i>												
19	UAS475(d)	805		7.08	7.26		7.17	7.37	7.17	7.82	7.45	7.31
20	DDW55(d)	806		5.80	5.63		5.72	6.55	5.65	6.32	6.17	5.94
21	HI8830(d)	811		6.39	8.01		7.20	6.81	6.43	7.61	6.95	7.08
22	GW1356(d)	814		4.32	4.56		4.44	4.44	4.17	4.44	4.35	4.40
23	HI8831(d)	817		6.37	6.63		6.50	6.49	6.11	5.96	6.19	6.34
24	UAS446(d) (C)	804		5.20	5.64		5.42	6.35	6.27	5.83	6.15	5.79
25	HI8627(d) (C)	816		6.53	6.37		6.45	6.51	6.71	6.38	6.53	6.49
Mean				5.96	6.30		6.13	6.36	6.07	6.34	6.26	6.19