

THREE YEARS QUALITY DATA (2010- 11 to 2012 - 13)

QUALITY CHARACTERS OF *T. aestivum* ENTRIES

Sr. No	Variety	Grain Appearance (Max Score 10)				Test Weight (Kg/hl)				Sedimentation Value (ml)				Protein Content (%)				High Molecular Weight Glutenin Subunits			
		10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	Glu-D1	Glu-A1	Glu-B1	Glu-1 Score
NHZ (ITS)																					
1	HS 536	6.9	7.3	6.2	6.8	82.7	83.9	80.8	82.5	58	52	53	54	10.7	10.8	11.5	11.0	5+10	2*	7+8	10
2	VL 804 (C)	6.2	7.0	5.9	6.4	83.6	83.5	81.7	82.9	34	36	37	36	10.0	11.0	11.6	10.9	2+12	N	7+8	6
3	VL 907 (C)	-	7.0	6.3	6.7	-	82.0	78.9	80.5	-	38	35	37	-	10.8	12.6	11.7	5+10	1	7	8
4	HS 507 (C)	-	7.2	6.7	7.0	-	83.0	81.1	82.1	-	41	45	43	-	11.2	11.6	11.4	5+10	1	7+8	10
5	HPW 349 (I)	-	6.7	5.9	6.3	-	82.0	81.4	81.7	-	53	53	53	-	10.3	11.1	10.7	5+10	2*	17+18	10
NHZ (RTS)																					
1	HS 536	6.4	6.4	5.8	6.2	80.1	79.6	78.7	79.5	56	51	51	53	9.9	10.9	9.8	10.2	5+10	2*	7+8	10
2	VL 804 (C)	6.0	6.7	5.5	6.1	78.6	82.4	78.6	79.9	36	40	36	37	9.9	11.1	9.7	10.2	2+12	N	7+8	6
3	VL 907 (C)	-	6.6	5.5	6.1	-	81.2	77.1	79.2	-	39	37	38	-	11.3	10.8	11.1	5+10	1	7	8
4	HS 507 (C)	-	6.5	6.0	6.3	-	81.7	77.7	79.7	-	43	47	45	-	11.3	10.6	11.0	5+10	1	7+8	10
5	HPW 349 (I)	-	6.2	5.2	5.7	-	80.4	78.4	79.4	-	51	51	51	-	11.7	10.5	11.1	5+10	2*	17+18	10
NHZ (RES)																					
1	HS 542	6.1	5.8	5.8	5.9	80.3	79.5	79.5	79.8	51	49	42	47	11.1	11.2	11.9	11.4	5+10	2*	7	8
2	HS 277 (C)	5.8	5.8	5.1	5.6	78.8	77.3	75.9	77.3	35	36	36	36	10.4	11.2	11.2	10.9	5+10	N	7+9	7
3	VL 829 (C)	5.9	6.4	5.9	6.1	79.3	78.7	78.1	78.7	41	39	35	38	10.5	11.3	10.7	10.8	2+12	1	7+9	7
4	HPW 251 (C)	6.1	6.0	5.7	5.9	78.9	81.1	78.6	79.5	36	34	34	35	11.1	11.2	11.3	11.2	5+10	2*	7+9	9
NWPZ (ITS)																					
1	DBW 88	6.5	6.0	5.6	6.0	73.3	78.4	77.4	76.4	40	52	49	47	13.8	13.2	14.4	13.8	5+10	2*	17+18	10
2	HD 3086	6.5	6.2	6.0	6.2	74.9	77.1	78.7	76.9	37	49	48	45	12.3	12.6	13.8	12.9	5+10	1	17+18	10
3	DBW 17 (C)	6.8	5.6	5.8	6.1	74.8	78.0	79.6	77.5	31	42	38	37	13.0	13.6	13.8	13.5	5+10	2*	7	8
4	DPW 621-50 (C)	-	5.9	5.8	5.9	-	78.0	76.7	77.4	-	52	50	51	-	13.5	14.2	13.9	5+10	2*	17+18	10
5	HD 2967 (C)	-	-	6.0	6.0	-	78.1	78.1	78.1	-	-	47	47	-	-	13.5	13.5	5+10	2*	17+18	10
6	WH 1105 (I)	-	5.6	5.9	5.8	-	78.1	78.5	78.3	-	53	52	53	-	12.5	14.1	13.3	5+10	2*	7	8

		THREE YEARS QUALITY DATA (2010- 11 to 2012 - 13)												
		QUALITY CHARACTERS OF <i>T. Aestivum</i> ENTRIES												
Sr. No	Variety	Extraction Rate (%)	Grain Hardness Index	Wet Gluten (%)	Dry Gluten (%)	Gluten Index	Bread Loaf Volume (cc)	Bread Quality (Max Score:10)	Chapati Quality (Max. Score: 10)	Biscuit Quality (Spread factor)	Yellow Pigment (ppm)	Iron (ppm)	Zinc (ppm)	Phenol Test (Max. Score:10)
		2012-13												
NHZ (ITS)														
1	HS 536	65.8	80	22.5	9.1	83	548	6.41	7.58	7.32	3.15	41.7	35.5	6.5
2	VL 804 (C)	64.4	82	25.3	8.8	58	538	6.21	7.73	6.82	3.83	37.0	29.4	4.7
3	VL 907 (C)	63.3	69	26.6	9.9	49	545	6.34	7.54	6.96	4.51	41.6	35.3	6.3
4	HS 507 (C)	64.7	82	24.0	9.1	58	537	6.29	7.52	7.71	3.38	47.9	35.5	5.3
5	HPW 349 (I)	65.1	76	22.0	8.6	71	537	6.15	7.60	-	2.56	36.4	32.5	6.0
NHZ (RTS)														
1	HS 536	65.5	78	17.9	7.1	83	552	6.50	7.63	6.64	3.02	36.9	33.8	6.7
2	VL 804 (C)	64.1	78	18.9	7.3	64	538	6.21	7.70	6.76	4.02	33.6	35.1	5.0
3	VL 907 (C)	62.8	67	20.1	8.2	52	527	5.94	7.53	7.29	4.26	31.5	30.1	6.2
4	HS 507 (C)	63.6	72	20.8	7.9	56	525	5.89	7.64	7.00	3.41	35.2	36.0	5.3
5	HPW 349 (I)	63.9	69	21.1	7.7	72	545	6.33	7.59	-	2.62	34.2	36.2	5.8
NHZ (RES)														
1	HS 542	63.9	73	23.6	9.1	61	522	5.85	7.88	7.57	4.20	40.2	41.3	3.5
2	HS 277 (C)	63.5	66	20.2	8.5	49	525	5.91	6.93	7.30	3.46	33.8	40.1	6.5
3	VL 829 (C)	63.7	79	21.2	8.2	61	518	5.74	7.10	6.38	3.72	36.9	34.9	6.5
4	HPW 251 (C)	63.0	83	22.7	8.7	64	518	5.68	7.75	6.64	3.64	41.4	44.2	4.0
NWPZ (ITS)														
1	DBW 88	70.6	84	31.1	11.0	70	565	6.81	7.66	6.88	3.14	37.9	35.6	6.7
2	HD 3086	70.5	83	31.3	10.6	67	565	6.79	7.65	6.85	2.86	38.6	35.8	6.7
3	DBW 17 (C)	70.1	78	29.8	10.6	50	563	6.73	7.54	7.08	3.48	38.6	44.0	6.4
4	DPW 621-50 (C)	71.3	87	29.3	11.1	76	567	6.80	7.57	6.98	2.92	36.6	37.2	7.0
5	HD 2967 (C)	71.1	76	30.5	10.5	60	567	6.80	7.65	7.69	3.48	37.7	35.3	5.9
6	WH 1105 (I)	69.2	73	29.3	11.0	72	569	6.85	7.56	7.37	3.45	38.7	38.6	6.9

THREE YEARS QUALITY DATA (2010- 11 to 2012 - 13)

QUALITY CHARACTERS OF *T. aestivum* ENTRIES

Sr. No	Variety	Grain Appearance (Max Score 10)				Test Weight (Kg/ha)				Sedimentation Value (ml)				Protein Content (%)				High Molecular Weight Glutenin Subunits			
		10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	Glu-D1	Glu-A1	Glu-B1	Glu-1 Score
		2012-13																			
NWPZ (ILS)																					
1	DBW 90	4.6	6.1	6.2	5.6	71.9	77.3	78.3	75.8	39	52	48	46	12.1	13.1	13.4	12.9	5+10	1	17+18	10
2	WH 1124	5.2	6.6	6.1	6.0	73.2	77.7	78.4	76.4	44	49	47	47	12.7	12.8	13.3	12.9	5+10	1	17+18	10
3	HD 3091	5.0	5.8	5.7	5.5	75.9	78.2	79.4	77.8	41	52	51	48	12.5	12.5	13.6	12.9	5+10	2*	7+8	10
4	PBW 373 (C)	-	6.0	5.6	5.8	-	75.6	75.5	75.6	-	39	41	40	-	13.6	13.3	13.5	5+10	1	7+9	9
5	PBW 590 (C)	5.4	6.1	5.8	5.8	75.8	78.4	79.5	77.9	45	53	46	48	13.2	13.3	13.8	13.4	5+10	2*	7+9	9
6	WH 1021 (C)	-	6.5	6.0	6.3	-	78.0	78.5	78.3	-	38	37	38	-	13.2	14.5	13.9	2+12	2*	7+8	8
7	DBW 71 (I)	-	6.9	5.8	6.4	-	79.5	79.4	79.5	-	42	37	40	-	13.2	13.6	13.4	5+10	2*	17+18	10
8	HD 3059 (I)	-	6.2	5.9	6.1	-	78.0	78.5	78.3	-	57	51	54	-	13.2	14.0	13.6	5+10	2*	17+18	10
NWPZ (RTS)																					
1	PBW 660	6.4	6.6	6.2	6.4	78.1	79.5	79.3	79.0	39	44	39	41	12.4	11.9	13.4	12.6	5+10	1	7+9	9
2	DBW 74	6.6	6.7	5.4	6.2	76.9	80.0	76.4	77.8	42	48	43	44	12.8	11.7	12.7	12.4	5+10	2*	7+8	10
3	WH 1098	5.9	5.6	5.1	5.5	72.8	74.4	73.3	73.5	55	51	48	51	12.4	10.7	12.3	11.8	5+10	2*	7+8	10
4	PBW 674	6.4	6.8	6.2	6.5	78.6	81.0	79.5	79.7	51	50	48	50	13.3	11.9	12.7	12.6	5+10	2*	7+8	10
5	PBW 675	6.3	7.0	5.8	6.4	75.0	79.0	78.1	77.4	35	38	41	38	12.4	11.7	12.7	12.3	2+12	2*	7+9	7
6	WH 1126	5.7	6.7	5.7	6.0	73.1	79.7	76.7	76.5	47	50	45	47	12.9	11.3	12.8	12.3	5+10	2*	7	8
7	WH 1127	5.8	6.7	5.7	6.1	73.1	78.9	76.6	76.2	56	55	50	54	12.7	10.6	12.3	11.9	5+10	2*	7	8
8	C 306 (C)	-	7.3	5.8	6.6	-	81.8	77.9	79.9	-	39	36	38	-	10.3	12.5	11.4	2+12	N	20	4
9	PBW 175 (C)	6.4	6.9	6.1	6.5	74.4	80.4	78.6	77.8	38	41	38	39	12.8	11.0	12.2	12.0	2+12	2*	7+9	7
10	PBW 644 (C)	-	6.9	5.9	6.4	-	79.0	79.2	79.1	-	47	49	48	-	11.1	12.5	11.8	2+12	2*	7+8	8
11	WH 1080 (C)	-	6.7	5.5	6.1	-	78.5	75.5	77.0	-	48	51	50	-	11.2	13.2	12.2	5+10	1	7	8
NWPZ (RITS)																					

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Sr. No	Variety	Extraction Rate (%)	Grain Hardness Index	Wet Gluten (%)	Dry Gluten (%)	Gluten Index	Bread Loaf Volume (cc)	Bread Quality (Max Score:10)	Chapati Quality (Max. Score: 10)	Biscuit Quality (Spread factor)	Yellow Pigment (ppm)	Iron (ppm)	Zinc (ppm)	Phenol Test (Max. Score:10)
		2012-13												
NWPZ (ILS)														
1	DBW 90	71.3	83	29.7	10.3	64	561	6.68	7.60	7.71	3.86	42.0	40.8	6.1
2	WH 1124	70.9	81	29.4	10.2	61	569	6.88	7.46	7.16	3.49	43.4	41.7	6.2
3	HD 3091	72.1	88	28.5	10.4	76	571	6.94	7.55	7.58	2.95	42.0	43.9	6.3
4	PBW 373 (C)	70.9	79	27.7	10.1	54	568	6.83	7.51	7.52	4.23	38.5	42.7	6.4
5	PBW 590 (C)	70.8	79	29.5	10.6	53	566	6.78	7.50	7.15	2.63	44.0	45.5	7.1
6	WH 1021 (C)	70.2	76	32.8	11.2	42	570	6.88	7.45	7.38	2.95	42.1	45.5	6.3
7	DBW 71 (I)	70.1	76	29.0	10.4	50	568	6.83	7.60	7.62	3.97	44.4	47.2	5.9
8	HD 3059 (I)	70.0	79	30.2	10.8	53	573	6.98	7.67	7.49	2.58	38.5	39.5	6.5
NWPZ (RTS)														
1	PBW 660	69.6	78	28.2	10.3	52	561	6.74	7.96	7.01	2.83	40.1	45.3	3.0
2	DBW 74	69.8	75	28.6	9.6	67	560	6.72	7.63	7.38	2.81	34.6	41.6	6.6
3	WH 1098	68.5	72	26.3	9.2	75	556	6.64	7.70	6.90	2.48	33.2	32.8	6.8
4	PBW 674	68.4	65	29.6	9.6	65	559	6.68	7.61	7.67	2.45	41.1	45.8	6.6
5	PBW 675	69.0	67	31.4	9.6	49	560	6.23	7.89	7.52	2.91	42.7	46.8	3.4
6	WH 1126	69.8	76	28.1	9.6	55	556	6.60	7.58	6.84	2.57	36.9	41.5	6.8
7	WH 1127	72.0	81	28.2	9.3	86	565	6.86	7.57	7.52	2.67	37.1	42.6	6.8
8	C 306 (C)	72.5	86	30.0	9.3	52	500	5.31	8.08	7.22	3.96	38.8	44.9	2.5
9	PBW 175 (C)	69.8	75	27.6	9.2	50	495	5.16	8.05	7.06	3.70	35.2	40.0	2.8
10	PBW 644 (C)	71.0	79	30.3	9.6	56	553	6.51	7.49	7.19	3.32	39.2	42.5	6.9
11	WH 1080 (C)	70.8	79	28.7	10.0	78	566	6.83	7.54	7.90	3.47	34.2	35.0	7.3
NWPZ (RITS)														

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Sr. No	Variety	Grain Appearance (Max Score 10)				Test Weight (Kg/hl)				Sedimentation Value (ml)				Protein Content (%)				High Molecular Weight Glutenin Subunits			
		10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	Glu-D1	Glu-A1	Glu-B1	Glu-1 Score
																		2012-13			
1	HD 3070	5.9	6.2	5.6	5.9	77.2	80.6	79.2	79.0	43	44	44	44	12.6	11.5	12.5	12.2	5+10	2*	7	8
2	DBW 74	6.7	6.8	5.5	6.3	77.2	80.5	75.8	77.8	42	48	43	44	13.0	11.6	12.7	12.4	5+10	2*	7+8	10
3	PBW 660	6.3	6.9	6.0	6.4	77.5	80.6	80.1	79.4	40	44	39	41	13.7	12.3	13.9	13.3	5+10	1	7+9	9
4	C 306 (C)	6.2	7.1	5.9	6.4	79.1	81.6	80.3	80.3	31	39	42	37	12.9	10.6	13.0	12.2	2+12	N	20	4
5	PBW 175 (C)	6.9	7.2	6.0	6.7	78.7	80.1	78.4	79.1	31	41	38	37	12.0	11.8	13.4	12.4	2+12	2*	7+9	7
6	WH 1080 (C)	6.5	7.0	5.6	6.4	78.1	78.7	74.5	77.1	41	52	51	48	13.2	11.7	14.3	13.1	5+10	1	7	8
7	HD 3043 (C)	-	6.8	5.9	6.4	-	80.5	79.8	80.2	-	45	42	44	-	12.5	13.3	12.9	5+10	2*	7	8
NEPZ (ITS) -1A																					
1	HD 3076	5.6	6.1	6.0	5.9	74.0	78.4	78.6	77.0	37	37	37	37	9.5	12.2	12.6	11.4	5+10	N	7	6
2	PBW 661	6.0	6.6	6.3	6.3	75.8	78.6	79.8	78.1	41	45	45	44	8.8	11.2	13.0	11.0	5+10	2*	7	8
3	K 0307 (C)	-	6.2	6.2	6.2	-	80.1	79.0	79.6	-	35	38	37	-	11.7	13.0	12.4	2+12	2*	17+18	8
4	DBW 39 (C)	-	6.5	6.0	6.3	-	78.1	78.8	78.5	-	43	40	42	-	11.5	13.7	12.6	5+10	2*	7+9	9
5	HD 2733 (C)	5.8	6.0	6.1	6.0	73.4	77.4	77.9	76.2	41	43	45	43	10.1	12.5	13.7	12.1	5+10	N	7+9	7
6	Raj 4229 (I)	-	6.0	6.1	6.1	-	78.9	80.2	79.6	-	38	35	37	-	11.5	13.3	12.4	2+12	2*	17+18	8
NEPZ (ITS) -1B																					
1	NW 5054	6.8	6.2	6.0	6.3	75.6	77.7	78.2	77.2	37	52	51	47	12.7	11.4	12.3	12.1	5+10	2*	17+18	10
2	K 1006	7.3	6.4	5.8	6.5	76.3	78.5	79.9	78.2	25	35	38	33	11.4	11.6	13.6	12.2	2+12	2*	17+18	8
3	WH 1120	7.0	6.2	6.0	6.4	75.9	79.1	79.1	78.0	31	43	46	40	10.6	11.8	13.1	11.8	5+10	1	17+18	10
4	K 0307 (C)	-	6.2	6.2	6.2	-	80.1	79.0	79.6	-	35	38	37	-	11.7	13.0	12.4	2+12	2*	17+18	8
5	DBW 39 (C)	-	6.5	6.0	6.3	-	78.1	78.8	78.5	-	43	40	42	-	11.5	13.7	12.6	5+10	2*	7+9	9
6	HD 2733 (C)	6.9	6.0	6.1	6.3	74.5	77.4	77.9	76.6	33	43	45	40	12.3	12.5	13.7	12.8	5+10	N	7+9	7
7	Raj 4229 (I)	-	6.0	6.1	6.1	-	78.9	80.2	79.6	-	38	35	37	-	11.5	13.3	12.4	2+12	2*	17+18	8
NEPZ (ILS)																					
1	Raj 4250	5.3	6.1	5.3	5.6	73.4	77.4	73.6	74.8	34	39	36	36	11.1	12.1	13.1	12.1	2+12	2*	7+9	7

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2012-13														
1	HD 3070	72.6	93	26.4	9.6	75	556	6.63	7.61	6.92	3.93	40.0	38.7	6.5
2	DBW 74	69.8	71	29.3	9.6	66	555	6.61	7.66	7.26	3.42	36.2	40.6	6.6
3	PBW 660	70.5	77	28.2	10.6	55	565	6.78	7.98	7.32	3.36	41.0	44.8	3.3
4	C 306 (C)	72.3	87	27.3	9.9	58	514	5.57	8.09	6.56	3.51	42.8	46.2	2.5
5	PBW 175 (C)	70.6	75	32.3	10.1	53	508	5.28	8.08	7.09	3.29	39.3	46.2	2.1
6	WH 1080 (C)	69.1	72	28.9	11.3	71	559	6.66	7.55	7.17	2.92	37.9	39.4	6.6
7	HD 3043 (C)	71.0	80	29.0	10.3	62	551	6.53	7.56	7.39	3.34	39.3	43.3	6.4
NEPZ (ITS) -1A														
1	HD 3076	67.4	76	28.1	9.3	55	563	6.77	7.48	7.26	3.97	37.4	42.9	6.8
2	PBW 661	67.2	70	28.6	10.0	57	565	6.80	7.52	7.27	2.63	39.1	46.6	6.8
3	K 0307 (C)	68.7	84	28.7	10.0	52	567	6.87	7.64	6.95	2.96	46.2	46.7	6.3
4	DBW 39 (C)	68.8	78	29.8	10.7	58	570	6.91	7.75	7.45	3.96	39.2	42.8	4.0
5	HD 2733 (C)	68.6	73	30.5	10.5	49	570	6.94	7.62	7.09	3.29	40.3	41.1	6.8
6	Raj 4229 (I)	68.4	81	32.5	10.2	43	570	6.92	7.56	6.61	3.04	41.5	39.7	6.0
NEPZ (ITS) -1B														
1	NW 5054	66.9	64	26.9	9.4	44	557	6.69	7.54	7.04	3.06	37.4	45.9	6.7
2	K 1006	68.0	79	32.3	10.5	47	568	6.91	7.52	7.72	3.00	45.4	49.2	6.7
3	WH 1120	67.3	76	29.0	10.1	69	558	6.67	7.56	6.91	2.56	41.5	46.8	6.8
4	K 0307 (C)	68.7	84	28.7	10.0	52	567	6.87	7.64	6.95	2.96	46.2	46.7	6.3
5	DBW 39 (C)	68.8	78	29.8	10.7	58	570	6.91	7.75	7.45	3.96	39.2	42.8	4.0
6	HD 2733 (C)	68.6	73	30.5	10.5	49	570	6.94	7.62	7.09	3.29	40.3	41.1	6.8
7	Raj 4229 (I)	68.4	81	32.5	10.2	43	570	6.92	7.56	6.61	3.04	41.5	39.7	6.0
NEPZ (ILS)														
1	Raj 4250	68.9	63	28.2	10.1	47	567	6.78	8.01	8.08	2.74	42.9	42.8	3.5

THREE YEARS QUALITY DATA (2010- 11 to 2012 - 13)

QUALITY CHARACTERS OF *T. aestivum* ENTRIES

Sr. No	Variety	Grain Appearance (Max Score 10)				Test Weight (Kg/ha)				Sedimentation Value (ml)				Protein Content (%)				High Molecular Weight Glutenin Subunits				
		10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	Glu-D1	Glu-A1	Glu-B1	Glu-1 Score	
																			2012-13			
2	NW 2036 (C)	-	5.4	5.1	5.3	-	77.3	77.3	77.3	-	42	46	44	-	12.7	13.2	13.0	5+10	1	7+9	9	
3	DBW 14 (C)	5.7	5.9	5.5	5.7	73.6	77.1	74.7	75.1	35	41	40	39	11.1	13.0	13.5	12.5	2+12	2*	7+8	8	
4	HD 2985 (C)	-		5.3	5.3	-		72.4	72.4	-		46	46	-		12.8	12.8	2+12	2*	17+18	8	
5	HI 1563 (C)	-	6.3	5.7	6.0	-	79.2	76.9	78.1	-	41	46	44	-	12.0	13.1	12.6	2+12	2*	7+8	8	
NEPZ (RTS)																						
1	WH 1127	5.8	6.4	5.9	6.0	73.1	82.0	79.6	78.2	56	38	44	46	12.7	11.9	11.5	12.0	2+12	N	20	4	
2	C 306 (C)	-	6.5	6.1	6.3	-	81.0	80.2	80.6	-	44	41	43	-	10.8	12.4	11.6	2+12	N	20	4	
3	K 8027 (C)	-	6.4	6.0	6.2	-	82.9	78.8	80.9	-	40	45	43	-	11.8	12.7	12.3	2+12	2*	17+18	8	
4	HD 2888 (C)	5.9	6.6	6.1	6.2	76.3	80.9	80.6	79.3	42	41	43	42	13.3	11.3	12.8	12.5	2+12	N	20	4	
CZ (ILS)																						
1	HD 3095	6.3	6.3	6.7	6.4	80.0	81.9	81.3	81.1	38	46	45	43	12.2	13.4	14.5	13.4	5+10	2*	17+18	10	
2	HD 2932 (C)	6.0	5.8	6.5	6.1	77.9	80.9	79.6	79.5	38	45	47	43	12.4	13.3	14.2	13.3	2+12	2*	17+18	8	
3	HD 2864 (C)	-	6.3	6.5	6.4	-	82.2	82.3	82.3	-	44	42	43	-	13.0	13.8	13.4	2+12	1	7+8	8	
4	MP 4010 (C)	6.8	6.7	6.7	6.7	79.7	81.7	82.2	81.2	39	38	41	39	12.6	13.5	14.4	13.5	2+12	2*	17+18	8	
5	Raj 4238 (I)	-	6.9	6.7	6.8	-	81.5	81.4	81.5	-	45	44	45	-	12.4	13.1	12.8	2+12	2*	17+18	8	
6	MP 3336 (I)	-	6.4	6.6	6.5	-	81.1	81.3	81.2	-	39	37	38	-	12.8	14.3	13.6	2+12	2*	7+8	8	
PZ (ITS)																						
1	MACS 6478	7.1	7.6	6.9	7.2	77.8	80.2	79.6	79.2	46	38	43	42	13.5	14.2	14.3	14.0	2+12	2*	17+18	8	
2	UAS 334	7.0	7.4	6.4	6.9	79.7	82.1	81.4	81.1	43	40	37	40	13.3	13.2	13.4	13.3	5+10	1	7	8	
3	GW 322 (C)	7.1	6.3	6.2	6.5	77.4	79.9	79.1	78.8	39	38	35	37	12.2	12.7	12.8	12.6	2+12	2*	7+8	8	
4	MACS 6222 (C)	-	6.5	6.4	6.5	-	82.3	81.3	81.8	-	34	34	34	-	14.6	14.6	14.6	2+12	2*	7+9	7	
PZ (ILS)																						
1	HD 3090	5.7	6.1	6.3	6.0	79.0	79.1	80.2	79.4	36	40	39	38	11.9	14.2	13.8	13.3	5+10	1	7	8	

		THREE YEARS QUALITY DATA (2010- 11 to 2012 - 13)												
		QUALITY CHARACTERS OF <i>T. Aestivum</i> ENTRIES												
Sr. No	Variety	Extraction Rate (%)	Grain Hardness Index	Wet Gluten (%)	Dry Gluten (%)	Gluten Index	Bread Loaf Volume (cc)	Bread Quality (Max Score:10)	Chapati Quality (Max. Score: 10)	Biscuit Quality (Spread factor)	Yellow Pigment (ppm)	Iron (ppm)	Zinc (ppm)	Phenol Test (Max. Score:10)
		2012-13												
2	NW 2036 (C)	68.6	76	27.9	10.2	66	577	7.05	7.54	8.03	4.57	46.6	45.7	6.3
3	DBW 14 (C)	67.6	64	28.6	10.4	59	563	6.75	7.63	7.58	3.58	47.0	47.7	6.2
4	HD 2985 (C)	68.1	71	30.1	9.8	58	563	6.70	7.52	7.42	2.96	43.9	41.0	6.8
5	HI 1563 (C)	68.5	72	29.2	10.1	55	567	6.82	8.05	7.16	2.52	45.2	40.4	3.3
NEPZ (RTS)														
1	WH 1127	69.3	81	23.9	8.7	82	537	6.26	7.51	6.80	3.11	40.7	38.5	7.0
2	C 306 (C)	70.3	91	29.2	9.6	44	492	5.05	8.05	6.48	3.69	41.7	40.9	3.3
3	K 8027 (C)	70.1	81	27.5	9.7	50	488	4.86	8.03	6.73	3.72	50.6	43.0	2.5
4	HD 2888 (C)	70.6	89	27.9	9.6	52	495	5.07	8.07	5.95	3.72	50.8	40.9	3.5
CZ (ILS)														
1	HD 3095	68.7	74	31.8	11.3	54	544	6.40	7.72	6.91	2.07	44.8	45.5	5.6
2	HD 2932 (C)	67.9	66	33.0	10.9	50	557	6.63	7.99	7.20	2.79	38.7	37.5	3.6
3	HD 2864 (C)	68.5	74	30.0	10.5	59	557	6.62	8.03	6.63	2.78	41.9	38.0	3.4
4	MP 4010 (C)	68.3	70	32.7	10.9	48	560	6.70	7.74	6.48	2.76	45.6	44.7	5.6
5	Raj 4238 (I)	68.5	73	29.7	10.0	42	546	6.44	8.04	7.00	2.01	44.6	36.3	3.2
6	MP 3336 (I)	68.7	71	32.5	11.0	45	546	6.45	8.03	-	2.40	41.2	40.8	3.2
PZ (ITS)														
1	MACS 6478	70.0	79	33.5	11.0	36	568	6.93	8.05	6.22	2.99	42.8	44.1	3.0
2	UAS 334	69.9	79	32.1	10.2	45	567	6.88	7.60	6.53	4.03	43.5	43.1	6.7
3	GW 322 (C)	70.9	84	31.5	9.7	45	562	6.77	7.64	6.86	2.56	43.2	40.8	6.2
4	MACS 6222 (C)	70.3	79	36.3	11.4	42	580	7.25	7.45	6.41	2.88	50.0	41.6	6.5
PZ (ILS)														
1	HD 3090	69.1	73	29.0	10.5	60	575	7.17	7.55	7.73	2.63	47.6	45.4	6.3

THREE YEARS QUALITY DATA (2010- 11 to 2012 - 13)

QUALITY CHARACTERS OF *T. aestivum* ENTRIES

Sr. No	Variety	Grain Appearance (Max Score 10)				Test Weight (Kg/hl)				Sedimentation Value (ml)				Protein Content (%)				High Molecular Weight Glutenin Subunits			
		10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	10-11	11-12	12-13	Mean	Glu-D1	Glu-A1	Glu-B1	Glu-1 Score
																		2012-13			
2	HD 3093	7.3	6.7	7.2	7.1	78.4	80.6	80.2	79.7	33	46	42	40	10.9	12.9	13.0	12.3	2+12	1	7+8	8
3	GW 432	7.0	6.9	7.1	7.0	79.5	79.7	79.9	79.7	32	45	40	39	10.4	13.5	13.4	12.4	2+12	2*	7+8	8
4	HD 2932 (C)	6.3	6.4	6.5	6.4	78.1	80.5	80.1	79.6	42	45	41	43	12.7	14.8	14.0	13.8	2+12	2*	17+18	8
5	Raj 4083 (C)	-	6.7	6.9	6.8	-	79.6	80.3	80.0	-	51	47	49	-	13.7	13.4	13.6	5+10	1	7+8	10
6	NIAW 34 (C)	-	6.5	6.9	6.7	-	79.4	79.4	79.4	-	43	42	43	-	15.3	14.5	14.9	2+12	2*	7+9	7
PZ (RTS)																					
1	DBW 93	6.0	6.6	6.7	6.4	78.4	81.7	82.0	80.7	33	40	43	39	13.5	15.6	15.7	14.9	5+10	2*	17+18	10
2	NIAW 1415 (C)	-	6.8	7.2	7.0	-	80.7	81.0	80.9	-	47	47	47	-	14.5	14.0	14.3	2+12	2*	7+9	7
3	NI 5439 (C)	5.4	6.2	6.8	6.1	77.4	79.5	80.0	79.0	50	55	53	53	12.3	13.8	14.7	13.6	2+12	N	17+18	6
PZ (RITS)																					
1	DBW 93	6.0	6.5	6.4	6.3	79.2	81.8	80.0	80.3	32	39	43	38	13.9	14.9	15.1	14.6	5+10	2*	17+18	10
2	NIAW 1415 (C)	-	6.4	6.3	6.4	-	80.0	79.1	79.6	-	48	44	46	-	14.8	14.7	14.8	2+12	2*	7+9	7
3	NI 5439 (C)	5.8	6.3	6.2	6.1	79.6	79.1	77.9	78.9	56	57	49	54	12.7	15.1	15.2	14.3	2+12	N	17+18	6
SHZ (RITS)																					
1	HW 5224	5.4	5.9	6.4	5.9	73.5	80.2	78.3	77.3	47	40	42	43	14.8	12.6	13.5	13.6	2+12	2*	7+9	7
2	CoW (W) 1 (C)	5.0	5.2	6.2	5.5	78.0	81.7	77.2	79.0	38	47	44	43	13.5	12.1	13.2	12.9	5+10	1	7+9	9
3	HW 2044 (C)	7.4	6.4	5.9	6.6	81.0	82.4	77.0	80.1	51	48	41	47	13.0	11.4	14.4	12.9	2+12	N	7+8	6
4	HW 5216 (I)	5.6	5.8	6.4	5.9	78.7	81.6	79.5	79.9	47	48	43	46	13.6	12.2	13.9	13.2	5+10	2*	7	8

		THREE YEARS QUALITY DATA (2010- 11 to 2012 - 13)												
		QUALITY CHARACTERS OF <i>T. Aestivum</i> ENTRIES												
Sr. No	Variety	Extraction Rate (%)	Grain Hardness Index	Wet Gluten (%)	Dry Gluten (%)	Gluten Index	Bread Loaf Volume (cc)	Bread Quality (Max Score:10)	Chapati Quality (Max. Score: 10)	Biscuit Quality (Spread factor)	Yellow Pigment (ppm)	Iron (ppm)	Zinc (ppm)	Phenol Test (Max. Score:10)
		2012-13												
2	HD 3093	70.5	78	28.7	10.0	74	568	6.97	8.07	6.79	2.41	46.2	45.2	2.3
3	GW 432	69.0	75	31.0	10.2	60	575	7.17	8.03	6.68	2.65	43.1	42.9	3.2
4	HD 2932 (C)	69.0	73	31.8	10.7	61	583	7.37	7.97	6.60	2.59	45.2	43.2	3.0
5	Raj 4083 (C)	71.3	79	32.4	10.0	61	580	7.32	7.68	6.90	2.15	47.9	44.7	6.0
6	NIAW 34 (C)	69.2	72	35.7	11.3	54	585	7.38	8.06	6.51	2.71	48.7	45.0	2.8
PZ (RTS)														
1	DBW 93	71.8	80	39.4	12.4	51	578	7.10	7.67	6.59	3.32	53.1	48.3	7.0
2	NIAW 1415 (C)	72.1	88	35.0	10.9	47	583	7.23	8.03	6.26	3.34	54.8	44.9	3.3
3	NI 5439 (C)	69.8	77	31.0	11.0	69	590	7.41	7.65	6.06	3.46	52.3	45.6	6.8
PZ (RITS)														
1	DBW 93	71.5	84	36.1	11.4	53	577	7.03	7.69	6.24	3.70	50.9	46.0	6.8
2	NIAW 1415 (C)	72.5	90	37.3	11.0	48	587	7.29	8.07	6.01	3.42	54.4	40.6	3.5
3	NI 5439 (C)	69.4	72	38.1	11.5	66	583	7.25	7.59	5.96	3.48	53.3	37.9	7.0
SHZ (RITS)														
1	HW 5224	69.6	80	31.7	10.4	56	540	6.62	7.39	6.64	2.38	69.5	49.6	7.8
2	CoW (W) 1 (C)	71.5	89	31.1	10.3	49	545	6.40	7.58	6.74	3.85	62.8	44.4	5.9
3	HW 2044 (C)	71.1	86	33.3	11.5	61	555	6.60	7.55	6.33	3.29	74.3	59.5	7.8
4	HW 5216 (I)	69.7	79	32.2	10.9	49	540	6.35	7.52	5.85	3.83	60.4	54.5	6.1