

**TWO YEARS QUALITY DATA (2013-14 & 2014-15)**

**QUALITY CHARACTERS OF *T. aestivum* ENTRIES from MABB Trial**

Sr. No	Variety	Grain Appearance (Max Score 10)			Test Weight (Kg/hl)			Sedimentation Value (ml)			Protein Content (%)			High Molecular Weight Glutenin			
		13-14	14-15	Mean	13-14	14-15	Mean	13-14	14-15	Mean	13-14	14-15	Mean	Glu-D1	Glu-A1	Glu- B1	Glu-1 Score
														2014-15			
<b>NWPZ (ITS)</b>																	
1	PBW 723	5.9	5.8	<b>5.9</b>	78.1	75.5	<b>76.8</b>	40	41	<b>41</b>	13.0	12.0	<b>12.5</b>	5+10	1	7+9	9
2	PBW 343 (C)	5.1	5.4	<b>5.3</b>	72.9	71.8	<b>72.4</b>	40	37	<b>39</b>	12.0	12.3	<b>12.2</b>	5+10	1	7+9	9
3	HD 2967 (C)	5.5	5.5	<b>5.5</b>	76.3	75.0	<b>75.7</b>	55	56	<b>56</b>	12.0	12.1	<b>12.1</b>	5+10	2*	17+18	10
4	DPW 621-50 (C)	5.9	5.9	<b>5.9</b>	78.5	75.6	<b>77.1</b>	51	56	<b>54</b>	12.4	12.5	<b>12.5</b>	5+10	2*	17+18	10
5	WH 1105 (C)	5.6	5.8	<b>5.7</b>	77.0	75.6	<b>76.3</b>	58	59	<b>59</b>	12.3	12.1	<b>12.2</b>	5+10	2*	7	8
<b>NEPZ (ITS)</b>																	
1	MMBL 283	5.8	6.4	<b>6.1</b>	77.4	78.8	<b>78.1</b>	43	45	<b>44</b>	12.5	12.4	<b>12.5</b>	2+12	2*	7+8	8
2	HUW 234 (C)	5.3	6.4	<b>5.9</b>	71.2	77.1	<b>74.2</b>	46	44	<b>45</b>	13.2	11.8	<b>12.5</b>	2+12	2*	7+8	8
3	HI 1563 (C)	5.8	6.3	<b>6.1</b>	78.0	80.6	<b>79.3</b>	48	49	<b>49</b>	12.5	12.0	<b>12.3</b>	2+12	2*	7+8	8
4	HD 2985 (C)	5.5	5.9	<b>5.7</b>	74.1	77.5	<b>75.8</b>	45	52	<b>49</b>	12.4	11.7	<b>12.1</b>	2+12	2*	17+18	8
5	DBW 14 (C)	5.6	6.1	<b>5.9</b>	76.0	77.1	<b>76.6</b>	46	42	<b>44</b>	12.3	12.4	<b>12.4</b>	2+12	2*	7+8	8
<b>CZ (ITS)</b>																	
1	HD2932 + <i>Lr19/Sr25</i>	7.1	6.3	<b>6.7</b>	81.6	76.3	<b>79.0</b>	46	44	<b>45</b>	12.6	12.9	<b>12.8</b>	2+12	2*	17+18	8
2	HD 3209	-	6.4	<b>6.4</b>	-	76.4	<b>76.4</b>	-	45	<b>45</b>	-	12.4	<b>12.4</b>	2+12	2*	7+8	8
3	HD 2932 (C)	7.0	6.0	<b>6.5</b>	81.8	75.4	<b>78.6</b>	46	45	<b>46</b>	12.2	12.8	<b>12.5</b>	2+12	2*	17+18	8
4	Raj 4083 (C)	7.2	6.3	<b>6.8</b>	81.8	77.1	<b>79.5</b>	48	46	<b>47</b>	10.8	12.5	<b>11.7</b>	5+10	1	7+8	10
5	HD 2864 (C)	7.0	6.3	<b>6.7</b>	83.3	78.8	<b>81.1</b>	48	42	<b>45</b>	12.1	12.3	<b>12.2</b>	2+12	1	7+8	8
6	MP 3336 (C)	-	6.5	<b>6.5</b>	-	78.1	<b>78.1</b>	-	38	<b>38</b>	-	12.8	<b>12.8</b>	2+12	2*	7+8	8
<b>PZ (ITS)</b>																	
1	HD2932 + <i>Lr19/Sr25</i>	6.3	6.0	<b>6.2</b>	79.5	78.3	<b>78.9</b>	49	46	<b>48</b>	13.9	13.6	<b>13.8</b>	2+12	2*	17+18	8
2	HD 3209	-	6.3	<b>6.3</b>	-	78.0	<b>78.0</b>	-	46	<b>46</b>	-	13.7	<b>13.7</b>	2+12	2*	7+8	8
3	HD 2932 (C)	6.5	6.3	<b>6.4</b>	80.1	79.1	<b>79.6</b>	58	50	<b>54</b>	13.8	13.9	<b>13.9</b>	2+12	2*	17+18	8
4	Raj 4083 (C)	6.6	6.4	<b>6.5</b>	79.8	80.7	<b>80.3</b>	59	47	<b>53</b>	13.4	12.6	<b>13.0</b>	5+10	1	7+8	10
5	HD 2864 (C)	6.6	6.5	<b>6.6</b>	82.5	80.3	<b>81.4</b>	55	44	<b>50</b>	13.3	12.6	<b>13.0</b>	2+12	1	7+8	8
6	MP 3336 (C)	-	6.5	<b>6.5</b>	-	79.1	<b>79.1</b>	-	41	<b>41</b>	-	13.5	<b>13.5</b>	2+12	2*	7+8	8

		ONE YEAR QUALITY DATA (2014-15)											
		QUALITY CHARACTERS OF <i>T. Aestivum</i> ENTRIES from MABB Trial											
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)	Yellow Pigment (ppm)	Iron (ppm)	Zinc (ppm)	Phenol Test (Max. Score: 10)
		2014-15											
<b>NWPZ (ITS)</b>													
1	PBW 723	68.0	72	27.6	8.9	59	556	6.64	7.56	3.88	40.3	34.1	5.8
2	PBW 343 (C)	68.4	68	29.5	9.7	51	551	6.55	7.55	3.97	39.3	34.7	5.8
3	HD 2967 (C)	69.4	65	29.1	9.9	72	558	6.66	7.63	3.59	39.3	34.4	5.4
4	DPW 621-50 (C)	68.0	75	29.9	9.7	70	551	6.53	7.50	3.34	40.3	35.8	6.5
5	WH 1105 (C)	68.2	67	28.7	10.1	70	553	6.54	7.53	3.45	41.9	38.4	6.4
<b>NEPZ (ITS)</b>													
1	MMBL 283	69.3	78	29.8	9.6	67	550	6.53	7.58	2.98	39.8	44.9	5.8
2	HUW 234 (C)	70.2	77	29.7	9.8	65	565	6.82	7.77	2.94	47.4	45.2	5.3
3	HI 1563 (C)	69.1	82	29.5	10.1	57	568	6.89	8.03	2.75	41.9	38.9	1.8
4	HD 2985 (C)	69.9	76	29.5	9.8	62	563	6.76	7.55	2.97	41.9	37.9	6.5
5	DBW 14 (C)	69.6	69	29.3	10.4	60	565	6.82	7.68	3.30	45.6	44.1	5.8
<b>CZ (ITS)</b>													
1	HD2932 + <i>Lr19/Sr25</i>	69.6	68	30.0	10.3	58	563	6.81	7.80	2.89	33.5	33.9	5.5
2	HD 3209	70.7	66	29.6	10.5	62	560	6.76	7.85	2.84	40.3	41.5	4.8
3	HD 2932 (C)	69.8	71	30.1	10.2	65	570	7.02	8.08	2.64	39.6	37.7	1.7
4	Raj 4083 (C)	71.4	75	30.0	10.4	76	597	7.52	7.67	2.28	42.2	40.5	5.8
5	HD 2864 (C)	69.0	75	28.9	9.9	66	565	6.87	8.03	2.74	42.7	39.8	1.7
6	MP 3336 (C)	68.6	67	29.8	10.3	50	560	6.72	8.03	2.54	39.6	39.0	1.5
<b>PZ (ITS)</b>													
1	HD2932 + <i>Lr19/Sr25</i>	69.9	68	31.2	10.6	66	567	6.90	7.70	2.77	37.9	36.9	5.5
2	HD 3209	71.4	72	32.0	10.8	65	565	6.92	7.77	2.70	42.0	44.0	5.3
3	HD 2932 (C)	70.5	74	32.0	11.3	68	573	7.11	8.05	2.56	41.4	39.7	1.5
4	Raj 4083 (C)	72.2	76	29.7	10.7	81	602	7.72	7.63	2.16	40.1	42.8	5.5
5	HD 2864 (C)	69.6	77	30.0	10.3	69	570	7.02	8.07	2.64	42.9	42.7	1.3
6	MP 3336 (C)	69.1	75	31.4	10.5	55	565	6.90	8.05	2.40	44.1	41.3	1.5