

Table 1 Overall performance of 5+10 and 2+12 entries at all India level

| Parameters | Overall performance | | Statistical difference (P value) | Variability (%) | |
|------------------------------|---------------------|------|----------------------------------|-----------------|------|
| | 5+10 | 2+12 | | 5+10 | 2+12 |
| Bread loaf volume (cc) | 564 | 553 | <0.000 | 3.60 | 4.70 |
| Bread quality score | 7.07 | 6.80 | <0.000 | 8.60 | 10.6 |
| <i>Chapati</i> quality score | 7.53 | 7.55 | 0.229 | 4.27 | 5.20 |
| Biscuit spread factor | 6.93 | 6.96 | 0.280 | 8.60 | 11.2 |
| 1000 grain weight (g) | 39.1 | 39.4 | 0.186 | 9.99 | 9.66 |
| Grain protein content (%) | 11.9 | 11.7 | 0.087 | 7.51 | 8.59 |
| Sedimentation value (ml) | 44 | 42 | <0.000 | 15.6 | 11.8 |
| Grain hardness index | 77.0 | 74.0 | 0.001 | 10.5 | 15.2 |
| Flour extraction rate (%) | 68.8 | 68.8 | 0.405 | 3.12 | 3.71 |
| Wet gluten content (%) | 30.1 | 30.9 | 0.007 | 9.92 | 11.4 |
| Dry gluten content (%) | 10.1 | 10.2 | 0.116 | 9.94 | 10.6 |
| Gluten index (%) | 62 | 57 | <0.000 | 17.1 | 14.7 |
| GLU 1 score | 6~10 | 4~8 | <0.000 | 12.0 | 11.4 |

Note: Overall performance represents mean during 2003-2014 and variability denotes coefficient of variability in study material