

Table 45: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in Northern Hill Zone AVTs

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|-----------------------------|------|--------|--------|--------|-------------|
| | Rainfed, Timely Sown | | | | | |
| 1 | VL 2041Q* | 108 | 2+12 | N | 7+9 | 5 |
| 2 | HS 562 (C) | 102 | 5+10 | 1 | 17+18 | 10 |
| 3 | HPW 349 (C) | 104 | 5+10 | 1 | 7 | 8 |
| 4 | HS 507 (C) | 105 | 5+10 | 1 | 7 | 8 |
| 5 | VL 907 (C) | 107 | 5+10 | 1 | 17+18 | 10 |

Table 46: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in North Western Plains Zone AVTs

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|---|------|--------|--------|--------|-------------|
| | Irrigated, Timely Sown | | | | | |
| 1 | PBW826* | 101 | 2+12 | 2* | 7+8 | 8 |
| 2 | DBW 222 (C) | 102 | 5+10 | 2* | 17+18 | 10 |
| 3 | HD 3086 (C) | 103 | 5+10 | 1 | 17+18 | 10 |
| 4 | HD 2967 (C) | 104 | 5+10 | 2* | 17+18 | 10 |
| 5 | DBW 187 (C) | 106 | 5+10 | 2* | 17+18 | 10 |
| | Irrigated, Late Sown | | | | | |
| 1 | DBW 173 (C) | 201 | 5+10 | 2* | 17+18 | 10 |
| 2 | WH 1124 (C) | 202 | 5+10 | 1 | 17+18 | 10 |
| 3 | HD 3059 (C) | 203 | 5+10 | 2* | 17+18 | 10 |
| 4 | JKW 261 (C) | 204 | 5+10 | N | 7 | 6 |
| 5 | PBW 771 (C) | 205 | 5+10 | N | 7+9 | 7 |
| | Restricted Irrigation, Timely Sown | | | | | |
| 1 | HI 1654* | 302 | 2+12 | 2* | 7+8 | 8 |
| 2 | HD 3369* | 316 | 2+12 | 2* | 7+8 | 8 |
| 3 | HI 1653* | 317 | 2+12 | 2* | 7 | 6 |
| 4 | NIAW 3170 (C) | 301 | 2+12 | N | 17+18 | 6 |
| 5 | PBW 644 (C) | 304 | 2+12 | 1 | 7+8 | 8 |
| 6 | DBW 296 (I) (C) | 307 | 5+10 | 2* | 13+16 | 10 |
| 7 | HUW 838 (I) (C) | 309 | 5+10 | N | 7 | 6 |
| 8 | HD 3043 (C) | 313 | 5+10 | 2* | 7 | 8 |
| 9 | HI 1628 (C) | 314 | 5+10 | 2* | 7 | 8 |

Table 47: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in North Eastern Plains Zone AVTs

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|---|------|--------|--------|--------|-------------|
| | Irrigated, Timely Sown | | | | | |
| 1 | PBW 826#* | 106 | 2+12 | 2* | 7+8 | 8 |
| 2 | HD 3249 (C) | 101 | 5+10 | N | 17+18 | 8 |
| 3 | DBW 187 (C) | 102 | 5+10 | 2* | 17+18 | 10 |
| 4 | HD 2967 (C) | 103 | 5+10 | 2* | 17+18 | 10 |
| 5 | DBW 222 (C) | 105 | 5+10 | 2* | 17+18 | 10 |
| 6 | HD 3086 (C) | 107 | 5+10 | 1 | 17+18 | 10 |
| | Irrigated, Late Sown | | | | | |
| 1 | DBW 316#* | 201 | 2+12 | 2* | 7+9 | 7 |
| 2 | PBW 833* | 203 | 5+10 | 2* | 7 | 8 |
| 3 | PBW 835Q* | 208 | 2+12 | 2* | 7+9 | 7 |
| 4 | HI 1612 (C) | 202 | 5+10 | N | 17+18 | 8 |
| 5 | HD 3118 (C) | 205 | 5+10 | 2* | 7 | 8 |
| 6 | DBW 107 (C) | 206 | 2+12 | 2* | 7+8 | 8 |
| 7 | HI 1563 (C) | 207 | 2+12 | 2* | 7+8 | 8 |
| | Restricted Irrigation, Timely Sown | | | | | |
| 1 | HI 1612 (C) | 301 | 5+10 | 2* | 7 | 8 |
| 2 | K 1317 (C) | 302 | 2+12 | N | 7 | 4 |
| 3 | DBW 252 (C) | 304 | 5+10 | N | 7 | 6 |
| 4 | HD 3171 (C) | 305 | 5+10 | 2* | 7 | 8 |
| 5 | HD 3293 (C) | 306 | 5+10 | 2* | 7 | 8 |

Table 48: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in Central Zone AVTs

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|---|------|--------|--------|--------|-------------|
| | Irrigated, Timely Sown | | | | | |
| 1 | HI 1650* | 103 | 2+12 | 2* | 7+9 | 7 |
| 2 | MP 3535* | 107 | 2+12 | 2* | 7+9 | 7 |
| 3 | MACS 6768* | 108 | 2+12 | 2* | 7+9 | 7 |
| 4 | GW 322 (C) | 101 | 2+12 | 2* | 7+8 | 8 |
| 5 | HI 1636 (I) (C) | 102 | 2+12 | N | 7+8 | 6 |
| 6 | GW 513 (I) (C) | 109 | 5+10 | N | 17+18 | 8 |
| 7 | HI 1544 (C) | 110 | 2+12 | N | 7+8 | 6 |
| | Restricted Irrigation, Timely Sown | | | | | |
| 1 | CG 1036* | 301 | 2+12 | 2* | 7 | 6 |
| 2 | HI 1655Q* | 304 | 2+12 | 2* | 7 | 6 |
| 3 | DBW 110 (C) | 309 | 5+10 | 1 | 7 | 8 |
| 4 | MP 3288 (C) | 314 | 2+12 | 2* | 7+9 | 7 |

Table 49: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in Peninsular Zone AVTs

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|---|------|--------|--------|--------|-------------|
| | Irrigated, Timely Sown | | | | | |
| 1 | GW 322 (C) | 102 | 2+12 | 2* | 7+8 | 8 |
| 2 | MACS 6222 (C) | 107 | 2+12 | 2* | 7+9 | 7 |
| | Irrigated, Late Sown | | | | | |
| 1 | DBW 320#* | 206 | 2+12 | 2* | 7+8 | 8 |
| 2 | HD 2932 (C) | 202 | 2+12 | 2* | 17+18 | 8 |
| 3 | RAJ 4083 (C) | 203 | 5+10 | 1 | 7+8 | 10 |
| 4 | HD 3090 (C) | 204 | 5+10 | 1 | 7 | 8 |
| 5 | HI 1633 (C) | 205 | 5+10 | 2* | 7 | 8 |
| | Restricted Irrigation, Timely Sown | | | | | |
| 1 | HI 1605 (C) | 308 | 5+10 | 2* | 7 | 8 |
| 2 | NIAW 3170 (C) | 311 | 2+12 | N | 17+18 | 6 |
| 3 | MP 1358 (C) | 313 | 5+10 | 2* | 7+8 | 10 |

Table 50: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in North Western Plains Zone HYPTs

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|-----------------|------|--------|--------|--------|-------------|
| 1 | PBW 872* | 108 | 2+12 | 2* | 7+8 | 8 |
| 2 | DBW 371* | 111 | 2+12 | 2* | 7+9 | 7 |
| 3 | DBW 370* | 112 | 2+12 | 2* | 7+9 | 7 |
| 4 | DBW 372#* | 113 | 2+12 | 2* | 7 | 6 |
| 5 | DBW 303 (C) | 101 | 5+10 | 2* | 7 | 8 |
| 6 | DBW 332 (I) (C) | 102 | 5+10 | N | 7+9 | 7 |
| 7 | DBW 327 (I) (C) | 103 | 5+10 | N | 7+9 | 7 |
| 8 | HD 3086 (C) | 105 | 5+10 | 1 | 17+18 | 10 |
| 9 | DBW 187 (C) | 107 | 5+10 | 2* | 17+18 | 10 |

Table 51: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in Central Zone HYPTs

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|-------------|------|--------|--------|--------|-------------|
| 1 | DBW 372* | 205 | 2+12 | 2* | 7 | 6 |
| 2 | GW 322 (C) | 202 | 2+12 | 2* | 7+8 | 8 |
| 3 | DBW 303 (C) | 203 | 5+10 | 2* | 7 | 8 |
| 4 | DBW 187 (C) | 206 | 5+10 | 2* | 17+18 | 10 |
| 5 | HD 3086 (C) | 207 | 5+10 | 1 | 17+18 | 10 |

Table 52: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in North Western Plains Zone MABB

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|-------------|------|--------|--------|--------|-------------|
| 1 | HD 3406* | | 5+10 | 2* | 17+18 | 10 |
| 2 | HD 2967 (C) | | 5+10 | 2* | 17+18 | 10 |
| 3 | DBW 187(C) | | 5+10 | 2* | 17+18 | 10 |
| 4 | DBW 222(C) | | 5+10 | 2* | 17+18 | 10 |
| 5 | PBW 677(C) | | 5+10 | 2* | 13+16 | 10 |
| 6 | PBW 175(C) | | 2+12 | 2* | 7+9 | 7 |

Table 53: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in North Eastern Plains Zone MABB

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|-------------------------------|------|--------|--------|--------|-------------|
| | Irrigated, Timely Sown | | | | | |
| 1 | HD 3406* | | 5+10 | 2* | 17+18 | 10 |
| 2 | HD 3411* | | 5+10 | 2* | 7+9 | 10 |
| 3 | HD 3249(C) | | 5+10 | N | 17+18 | 8 |
| 4 | DBW 187(C) | | 5+10 | 2* | 17+18 | 10 |
| 5 | HD 3086(C) | | 5+10 | 1 | 17+18 | 10 |
| 6 | HD 2967 (C) | | 5+10 | 2* | 17+18 | 10 |
| 7 | HD 2733(C) | | 5+10 | 2* | 7+9 | 9 |

Table 54: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in Central Zone MABB

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|---------------------------------|------|--------|--------|--------|-------------|
| | Irrigated Late Sown, TAS | | | | | |
| 1 | HI 3407* | | 2+12 | 2* | 17+18 | 8 |
| 2 | HD 2932 (C) | | 2+12 | 2* | 17+18 | 8 |
| 3 | HD 2864(C) | | 2+12 | 1 | 7+8 | 8 |
| 4 | MP 3336(C) | | 2+12 | 2* | 7+8 | 8 |
| 5 | CG 1029(C) | | 2+12 | 2* | 7+8 | 8 |
| 6 | HI 1634(C) | | 5+10 | 2* | 7 | 8 |

Table 55: High Molecular weight Glutenin Subunits of *T. aestivum* genotypes in Peninsular Zone MABB

| S. No. | Variety | Code | Glu-D1 | Glu-A1 | Glu-B1 | Glu-1 Score |
|--------|-----------------------------|------|--------|--------|--------|-------------|
| | Rainfed, Timely Sown | | | | | |
| 1 | Raj 4083 (C) | | 2+12 | 2* | 7 | 6 |
| 2 | HD 2932 (C) | | 2+12 | 2* | 17+18 | 8 |
| 3 | HD 3090 (C) | | 5+10 | 1 | 7 | 8 |
| 4 | HI 1633 (C) | | 5+10 | 2* | 7 | 8 |