

Table 1. Mean of quality traits of the durum varieties grown in the Advanced Yield Trials, **Average of locations 2009.**

| Variety | OBS | Test Weight | Vit kern | 1000 kwt | Lg | Sm | Fall no | Sed | Wheat prot | Semo prot | Total ext | Sem ext | Semo ash | Specks #/10 sq in | Mixo | Pasta color | Cook wt | Cook loss | Firm | Mean GI |
|-------------|-----|-------------|----------|----------|----|----|---------|-----|------------|-----------|-----------|---------|----------|-------------------|------|-------------|---------|-----------|------|---------|
| | | lb/bu | % | g | % | % | sec | mm | % | % | % | % | % | | | | g | % | g cm | |
| ACNapoleon | 7 | 59.7 | 95 | 45.7 | 67 | 1 | 459 | 38 | 13.6 | 12.0 | 73.1 | 66.3 | 0.65 | 29 | 6 | 9.3 | 31.1 | 7.1 | 4.8 | 64.3 |
| ACNavigator | 7 | 60.4 | 98 | 44.3 | 67 | 1 | 452 | 45 | 13.8 | 12.4 | 72.6 | 65.3 | 0.69 | 33 | 7 | 9.0 | 30.9 | 6.8 | 5.1 | 79.0 |
| Alkabo | 7 | 61.4 | 85 | 44.1 | 65 | 2 | 383 | 44 | 13.4 | 12.0 | 72.6 | 64.8 | 0.65 | 29 | 6 | 9.1 | 31.0 | 7.4 | 4.8 | 63.1 |
| Alzada | 7 | 59.6 | 94 | 46.9 | 76 | 2 | 392 | 57 | 14.1 | 12.2 | 73.6 | 66.8 | 0.71 | 27 | 8 | 8.8 | 31.4 | 7.1 | 5.0 | 94.9 |
| Ben | 7 | 58.3 | 97 | 46.1 | 70 | 2 | 369 | 42 | 14.4 | 12.5 | 73.1 | 66.4 | 0.63 | 28 | 6 | 8.3 | 31.1 | 7.0 | 4.7 | 63.1 |
| Commander | 7 | 59.9 | 98 | 44.7 | 70 | 2 | 447 | 54 | 13.8 | 12.5 | 73.7 | 66.0 | 0.64 | 33 | 8 | 9.2 | 30.5 | 7.2 | 5.0 | 93.4 |
| DG Max | 7 | 61.2 | 94 | 44.8 | 71 | 2 | 344 | 45 | 14.1 | 12.7 | 73.6 | 66.9 | 0.67 | 30 | 7 | 8.9 | 31.4 | 7.1 | 4.7 | 73.7 |
| DG Star | 7 | 60.2 | 93 | 44.2 | 63 | 2 | 318 | 57 | 14.0 | 12.4 | 72.2 | 64.6 | 0.65 | 30 | 8 | 8.8 | 30.8 | 7.3 | 4.8 | 90.5 |
| Dilse | 7 | 61.1 | 94 | 43.2 | 61 | 2 | 364 | 45 | 14.6 | 12.8 | 73.1 | 66.1 | 0.67 | 28 | 6 | 9.0 | 31.2 | 6.8 | 5.3 | 61.5 |
| Divide | 7 | 60.4 | 89 | 44.2 | 63 | 2 | 460 | 50 | 13.8 | 12.2 | 72.7 | 65.1 | 0.63 | 28 | 7 | 9.0 | 31.4 | 7.2 | 4.8 | 84.3 |
| Grenora | 7 | 60.7 | 94 | 45.0 | 68 | 2 | 417 | 46 | 13.5 | 12.1 | 72.1 | 64.4 | 0.64 | 31 | 6 | 9.2 | 31.2 | 7.2 | 4.8 | 74.3 |
| Lebsock | 7 | 61.8 | 92 | 43.4 | 65 | 1 | 399 | 40 | 13.8 | 12.4 | 73.6 | 66.9 | 0.66 | 31 | 5 | 8.6 | 31.6 | 7.1 | 4.7 | 53.0 |
| Maier | 7 | 61.3 | 95 | 42.6 | 63 | 2 | 388 | 45 | 14.5 | 12.8 | 73.5 | 67.0 | 0.70 | 27 | 6 | 8.6 | 31.1 | 6.9 | 5.1 | 61.3 |
| Mountrail | 7 | 60.7 | 91 | 42.9 | 59 | 3 | 389 | 39 | 13.4 | 12.2 | 72.8 | 66.3 | 0.68 | 29 | 4 | 8.4 | 31.5 | 7.3 | 4.4 | 35.3 |
| Pierce | 7 | 61.6 | 96 | 40.8 | 59 | 2 | 423 | 50 | 13.8 | 12.3 | 71.6 | 65.2 | 0.67 | 33 | 7 | 9.1 | 31.0 | 6.9 | 5.1 | 75.1 |
| Rugby | 6 | 60.6 | 92 | 42.5 | 63 | 3 | 370 | 29 | 13.7 | 12.2 | 73.5 | 66.7 | 0.67 | 29 | 4 | 8.8 | 31.4 | 7.2 | 4.3 | 28.5 |
| Strongfield | 7 | 60.5 | 93 | 42.3 | 66 | 2 | 349 | 48 | 14.5 | 12.6 | 74.1 | 66.0 | 0.63 | 30 | 7 | 8.8 | 31.1 | 7.0 | 4.9 | 72.9 |
| Tioga | 7 | 61.0 | 93 | 42.8 | 63 | 2 | 391 | 42 | 13.9 | 12.4 | 73.0 | 66.1 | 0.66 | 30 | 6 | 8.8 | 31.3 | 7.1 | 4.8 | 57.2 |
| Wales | 7 | 61.0 | 89 | 45.0 | 70 | 2 | 345 | 47 | 13.7 | 12.0 | 73.4 | 66.1 | 0.67 | 26 | 7 | 8.8 | 31.3 | 7.5 | 4.7 | 76.6 |
| Average | | 60.6 | 93 | 44.0 | 66 | 2 | 393 | 45 | 13.9 | 12.3 | 73.0 | 66.0 | 0.66 | 30 | 6 | 8.9 | 31.2 | 7.1 | 4.8 | 68.5 |

Varieties grown at fewer than five locations are not included in this table.