

TABLE 4. 1999 BUTTE BARLEY TEST

| ENTRY | YIELD (lbs/acre) | TEST | | SHATTER | PLANT | LODGING | | BYDV | NET | | STRIPE |
|-----------------------|---------------------|----------------|------------|---------|-------------------|----------------------|--------|------|-------|------|--------|
| | | WT (lbs/bu) | HT (in) | | (soft) (dough) | LODGING (harvest) | BLOTCH | | SCALD | RUST | |
| <i>CULTIVARS</i> | | | | | | | | | | | |
| 1 | ARIVAT | 3750 (32) | 47.8 | 1.8 | 48 | 6.8 | 4.8 | 2.0 | 2.0 | 1.8 | 3.0 |
| 476 | UC 476 | 6250 (23) | 50.0 | 1.0 | 44 | 3.5 | 2.0 | 1.0 | 1.0 | 4.0 | 1.5 |
| 603 | UC 603 | 6350 (22) | 49.5 | 1.0 | 41 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 816 | MAX | 5280 (29) | 46.1 | 1.0 | 37 | 1.0 | 3.5 | 1.0 | 1.0 | 4.8 | 5.0 |
| 885 | PATTI | 7400 (13) | 47.2 | 1.0 | 35 | 1.0 | 1.5 | 1.3 | 1.0 | 4.5 | 2.0 |
| 937 | UC 937 | 8050 (07) | 49.5 | 1.0 | 40 | 2.3 | 3.0 | 1.3 | 1.0 | 1.0 | 1.0 |
| 941 | NEBULA | 8010 (08) | 49.0 | 1.0 | 45 | 1.8 | 2.5 | 1.0 | 1.0 | 1.0 | 4.0 |
| <i>ADVANCED LINES</i> | | | | | | | | | | | |
| 932 | UCD 92-10588 | 7770 (11) | 46.9 | 1.3 | 41 | 1.8 | 3.8 | 1.3 | 1.0 | 1.0 | 1.3 |
| 933 | UCD 92-10585 | 9440 (01) | 49.0 | 1.0 | 40 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 |
| 956 | WWW 2391 | 6770 (19) | 49.0 | 1.0 | 38 | 3.8 | 4.3 | 1.0 | 1.0 | 5.0 | 1.0 |
| 969 | UCD 95-2407 | 6840 (18) | 52.1 | 1.8 | 41 | 2.3 | 1.3 | 1.0 | 1.0 | 1.0 | 1.5 |
| 997 | APB A-15 | 7870 (09) | 50.3 | 1.0 | 42 | 3.3 | 1.8 | 1.0 | 1.0 | 2.0 | 2.0 |
| 999 | APB A-20 | 9170 (02) | 47.2 | 1.0 | 40 | 1.0 | 3.8 | 1.3 | 1.0 | 2.3 | 1.8 |
| 1000 | APB A-25 | 8540 (05) | 48.0 | 1.0 | 41 | 1.0 | 1.0 | 1.5 | 1.0 | 2.0 | 2.3 |
| 1017 | PH 596-013 | 7300 (14) | 43.0 | 1.0 | 38 | 2.5 | 3.3 | 1.3 | 1.0 | 1.0 | 1.0 |
| 1018 | PH 596-086 | 7250 (16) | 50.2 | 1.0 | 37 | 1.0 | 4.0 | 1.0 | 1.0 | 4.5 | 1.0 |
| 1019 | 2B94-5337 | 5550 (24) | 53.0 | 1.5 | 42 | 3.0 | 3.5 | 1.3 | 1.0 | 6.5 | 1.3 |
| 1020 | 2B96-5052 | 5030 (30) | 53.2 | 1.8 | 41 | 5.0 | 4.0 | 1.5 | 1.5 | 2.3 | 1.0 |
| 1021 | 6B94-7378 | 3790 (31) | 50.7 | 3.8 | 48 | 3.8 | 3.0 | 3.0 | 1.0 | 2.5 | 4.0 |
| 1022 | 6B94-8253 | 3650 (33) | 51.7 | 4.0 | 52 | 4.0 | 2.5 | 3.0 | 1.0 | 2.3 | 1.8 |
| 1023 | APB A-5 | 8600 (04) | 48.2 | 1.0 | 42 | 1.0 | 1.8 | 1.0 | 1.0 | 1.3 | 1.0 |
| 1024 | APB A-7 | 8730 (03) | 50.2 | 1.0 | 42 | 1.0 | 1.3 | 1.3 | 1.0 | 2.3 | 1.0 |
| 1025 | APB A-27 | 8150 (06) | 47.8 | 1.0 | 40 | 1.8 | 3.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| 1026 | WWW 4215 | 5380 (27) | 46.7 | 1.8 | 39 | 3.3 | 4.8 | 1.0 | 1.0 | 5.8 | 1.3 |
| 1027 | WWW 6112 | 5520 (25) | 43.5 | 1.0 | 41 | 1.0 | 3.8 | 1.3 | 1.0 | 6.3 | 4.0 |
| 1028 | UCD 95-1499 | 7260 (15) | 49.8 | 1.3 | 46 | 2.5 | 1.8 | 1.0 | 1.0 | 1.0 | 1.5 |
| 1029 | UCD 95-3804 | 6760 (20) | 45.2 | 1.0 | 39 | 2.5 | 5.5 | 1.0 | 1.0 | 3.3 | 1.0 |
| 1030 | UCD 95-3917 | 7050 (17) | 49.7 | 1.8 | 45 | 3.5 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1031 | UCD 95-4209 | 7860 (10) | 47.9 | 1.3 | 44 | 1.8 | 2.3 | 1.3 | 1.0 | 1.0 | 1.3 |
| 1032 | UCD 97-4286 | 7620 (12) | 49.3 | 2.0 | 43 | 4.3 | 3.3 | 1.3 | 1.0 | 1.0 | 1.0 |
| 1033 | UCD 97-4420 | 6440 (21) | 50.0 | 1.5 | 43 | 4.5 | 4.3 | 1.3 | 1.0 | 1.3 | 1.0 |
| 1034 | 20 IBYT 9 | 5310 (28) | 50.6 | 2.0 | 44 | 3.8 | 4.5 | 2.3 | 1.0 | 1.0 | 1.0 |
| 1035 | 23 IBON 5 | 5500 (26) | 51.4 | 1.3 | 39 | 5.3 | 4.8 | 1.3 | 1.0 | 2.8 | 1.0 |
| MEAN | | 6800 | 48.9 | 1.4 | 42 | 2.6 | 3.0 | 1.3 | 1.0 | 2.4 | 1.7 |
| CV | | 11.1 | 1.7 | 21.3 | 3.5 | 34.2 | 33.3 | 32.4 | 25.7 | 54.4 | 45.3 |
| LSD (.05) | | 1050 | 1.7 | 0.4 | 3.0 | 1.3 | 1.4 | 0.6 | 0.4 | 1.9 | 1.1 |

Rating scale for diseases (area of flag-1 leaf affected at soft dough stage), lodging and, shatter: 1=0-3%, 2=4-14%, 3=15-29%, 4=30-49%, 5=50-69%, 6=70-84%, 7=85-95%, 8=96-100%.

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

1%,