

TABLE 1. SITE CHARACTERISTICS FOR UC REGIONAL CEREAL EVALUATION TESTS, 2007

| LOCATION | TESTS | SOWING DATE | SOIL TYPE | 2006 CROP | FERTILIZATION | IRRIGATION | RAIN (in) |
|---|--------------------------|-------------|--|----------------|--|--|-----------|
| Colusa Co., Erdman Farm, Grimes | Wheat | 11/9/06 | Scribner silt loam | Onions | 125# N/acre as anhydrous ammonia preplant 80# 11-52-0 with seed | Flood 1X (6" total) | 7.7 |
| Fresno Co., CSU Fresno Farm Fresno | Barley | 11/16/06 | Ramona loam | Wheat (hay) | 80# 11-52-0 with seed | None | 5.3 |
| Glenn Co., Feeney Ranch, Willows | Wheat Barley | 11/7/06 | Nacimiento clay Altamont clay | Fallow | 200# Ammonium sulfate preplant 80# 11-52-0 with seed | None | 10.0 |
| Imperial Co., UC Desert REC, El Centro | Wheat Durum | 12/15/06 | Holtville silty clay | Sudan grass | 100# N, 80# P ₂ O ₅ preplant, 340# N (water-run in 3 irrigations) | Flood 5X (40" total) | 0 |
| Kern Co., J.G. Boswell Co. Kern Lake Ranch | Wheat Durum | 12/7/06 | Bakersfield sandy loam Coarse-loamy, mixed, thermic Torrifluventic Haploxeroll | Cotton | 450# 37-12-0 preplant; 80# 11-52-0 with seed 108.5# N (as NH ₃ water-run) | Flood 5X (31" total) | 7.5 |
| Kings Co., McCarthy Family Farms, Inc. Corcoran, | Wheat Durum Barley | 11/28/06 | Tulare clay | Cotton | 180# compost fertilizer preplant; 80# 11-52-0 with seed; 30# N (as UN-32 water-run) | Flood 4X (24" total) | 2.4 |
| Madera Co., Dupont Research Facility Madera | Wheat Durum | 12/7/06 | Visalia sandy loam Chino fine sandy loam | Cotton | 12 tons manure @ 1.0% N preplant; 80# 11-52-0 with seed 95# N (urea) on Feb 6; 100# N (triple 15) on March 10 | Sprinkler 8X (10" total) | 2.6 |
| Modoc Co., UC Intermountain REC, Tulelake | Wheat | 10/24/06 | Tule basin mucky silty clay loam | Sudan grass | 400# 16-20-20 preplant | Sprinkler: 9.2" | 8.9 |
| Modoc Co., UC Intermountain REC, Tulelake | Barley Wheat | 4/16/07 | Tule basin mucky silty clay loam | Potato | 400# 16-20-20 preplant | Sprinkler: 11.9" - barley 13.6" - wheat | 4.9 |
| San Joaquin Co, Victoria Island Farms Sac-San Joaquin Delta | Wheat | 12/8/06 | Egbert muck | Tomato | 100# 11-52-0 preplant 80# N/acre as urea topdress | Furrow 2X (10" total) | 5.5 |
| San Luis Obispo Co., White Ranch Shandon | Barley | 11/17/06 | Pico-San Emigdio-Sorrento loamy sand to fine sand | Fallow | 80# 11-52-0 with seed | None | 5.4 |
| Siskiyou Co., Peters Ranch Montague | Wheat | 10/24/06 | Clay loam | Alfalfa | 300# S, 80# NH ₃ and 200# 11-52-0 per acre preplant | Flood 2X (12-14" total) | 9.9 |
| Tehama Co., Endres Ranch Corning | Wheat Barley | 11/20/06 | Nacimiento/Altamont complex | Fallow | 60#N/acre as urea preplant; 80# 11-52-0 with seed | None | 9.0 |
| Tulare Co., Changala Ranch Ducor | Wheat Barley | 11/16/06 | Centerville clay | Fallow | 80# 11-52-0 with seed | None | 2.5 |
| Yolo Co., UC Davis Agronomy Farm Davis | Wheat Durum Barley | 11/22/06 | Yolo loam | Fallow | 60# N (urea) preplant 80# 11-52-0 with seed Topdress (at tillering): 50#N (wheat), 40# N (barley) 40# urea at anthesis (wheat) | Flood 2X (wheat only) (12" total) | 8.0 |