

TABLE 1. SITE CHARACTERISTICS FOR UC REGIONAL CEREAL EVALUATION TESTS, 2004

LOCATION	TESTS	SOWING DATE	SOIL TYPE	2003 CROP	FERTILIZATION	IRRIGATION	RAIN (in)
Butte Co. Chico State University Farm Chico	Wheat Barley	11/24/2003	Vina loam	Corn	84# N (ammonium sulfate) preplant; 80# 11-52-0 with seed; Topdress: 21-0-0 @ #50N/acre	Flood 1X = 6"	28.2
Colusa Co., Erdman Farm, Grimes	Wheat	11/12/2003	Scribner silt loam	Tomatoes	120# N/acre as NH ₃ preplant 80# 11-52-0 with seed Topdress: none	None	15.5
Glenn Co., Feeney Ranch, Willows	Wheat Barley	11/19/2003	Nacimiento clay Altamont clay	Pasture	80# 11-52-0 with seed Topdress: none	None	26.7
Imperial Co., UC Desert REC, El Centro	Wheat Durum	12/16/2003	Imperial clay	Fallow	100# N and 60# P ₂ O ₅ preplant, 200# N topdress (100# tillering, 100# boot)	Normal irrigation: Flood 5 X, 38.4" total Low Irrigation: Flood 2X, 24" total	1.5
Kern Co., J.G. Boswell Co. Kern Lake Ranch	Wheat Durum	12/2/2003	Milcox clay	Cotton	136# N (46-0-0) preplant + 80# 11-52-0 at planting Topdress: 82-0-0 @ 44#N/acre water-run (2X)	Flood 4X, 29" total	4.3
Kings Co., Hansen Ranch Corcoran	Wheat Durum Barley	12/9/2003	Goldberd Loam, Drained	Cotton	200#N (20 tons cow manure) + 100# 11-52-0 preplant Topdress: 34-0-0 @ #50N/acre (by air) UN32 @ #40N/acre (water-run)	Flood 4X, 30" total	6.0
Lassen Co., Wemple Ranch Milford	Wheat Barley	4/15/2004	Chappuis silt loam	Corn	50# N (ammonium nitrate) preplant, 80# 11-52-0 with seed; Topdress: none	Sprinkler 7X, 21" total	9.3"
Madera Co., Dupont Research Facility Madera	Wheat Durum	12/3/2003	Visalia sandy loam Chino fine sandy loam	Cotton	Preplant: 34-0-0 @ 71# N/acre, 80# 11-52-0 with seed Topdress: 34-0-0 @ #50N/acre	Wheel line 6X, 12" total	6.8
Madera Co., Triangle T Ranch Chowchilla	Barley	12/3/2003	Fresno & El Peco fine sandy loam	Cotton	63# N (ammonium sulfate) preplant, 80# 11-52-0 with seed; Topdress: UN32 @ 50# N/acre	Flood 4X, 30" total	6.8
Modoc Co., UC Intermountain REC, Tulelake	Barley Wheat	10/22/2003	Tule basin mucky silty clay loam	Potatoes	300# 16-20-0 preplant (barley) 400# 16-20-0 preplant (wheat)	Solid Set Sprinkler (6" barley, 7.2" wheat)	9.0
Modoc Co., UC Intermountain REC, Tulelake	Barley Wheat	2/24/2004	Tule basin mucky silty clay loam	Potatoes	300# 16-20-0 preplant (barley) 400# 16-20-0 preplant (wheat)	Solid Set Sprinkler (6" barley, 7.2" wheat)	5.4
Modoc Co., UC Intermountain REC, Tulelake	Barley Wheat	4/14/2004	Tule basin mucky silty clay loam	Peas	300# 16-20-0 preplant (barley) 400# 16-20-0 preplant (wheat)	Solid Set Sprinkler (6" barley, 7.2" wheat)	5.4
San Joaquin Co, Victoria Island Farms Sac-San Joaquin Delta (Stockton)	Wheat	11/17/2003	Egbert muck	Corn	105# N (35-17-0) preplant Topdress: none	Flood 1X, 6" total	12.1
San Luis Obispo Co., White Ranch Shandon	Barley	11/5/2003	Pico-San Emigdio-Sorrento loamy sand to fine sand	Fallow	80# 11-52-0 with seed Topdress: none	None	7.0
Siskiyou Co., Fitzgerald Ranch Butte Valley (Macdoel)	Wheat Barley	4/13/2004	Munnell gravely loam	Alfalfa	80# N (anhydrous ammonia) preplant 80# 11-52-0 with seed Topdress: None	Center pivot, 15" total	11.20
Tulare Co., Si Changala Ducor	Wheat Barley	11/4/2003	Centerville clay	Fallow	80# 11-52-0 with seed Topdress: none	None	6.1
Yolo Co., UC Davis Agronomy Farm Davis	Wheat Durum Barley	11/12/2003 11/12/2003 12/18/2003	Yolo loam	Fallow	80# N (ammonium nitrate) preplant (40# N - barley) 80# 11-52-0 with seed (wheat) Topdress: 40# N (34-0-0) at tillering (wheat, barley) + 40# N (34-0-0) at anthesis (wheat)	Flood: Wheat: 2X, 12" total Barley: 2X, 12" total	19.4