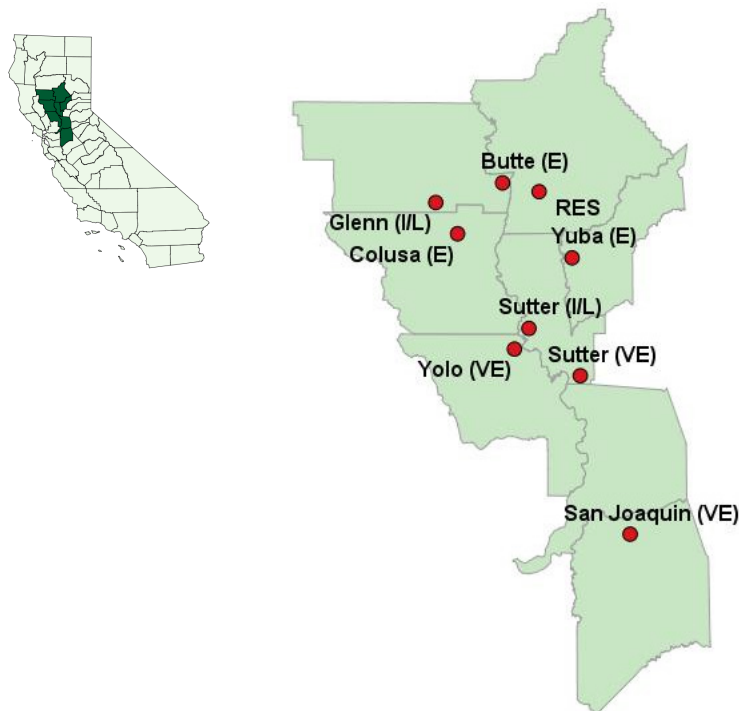


Summary of 2011 University of California Statewide Rice Variety Trials

Jim Hill, Luis Espino, Chris Greer, Cass Mutter and Ray Wennig

Every year variety trials are established throughout California's rice production areas. The trials are a cooperative effort between UCCE and the Rice Experiment Station (RES). Their objective is to determine production potential and adaptability of new materials for local conditions, as well as the response of commercial varieties to local weather, soil and agronomic practices.

The 2011 trials were conducted at eight farm locations. Additionally, varieties were also evaluated at the RES in Biggs. Tests were arranged in randomized complete block designs with four replications. Individual plots, except at San Joaquin County, were water-seeded by hand at a planting rate of 144 lb/acre. The plots at San Joaquin were drill-seeded at a rate of 120 lb/acre. All tests were harvested with a small-plot research combine. The harvest area per plot ranged from 140 to 153 ft². Grain moisture was assessed at harvest. Yields are expressed in lbs/acre at 14% grain moisture.



Location of University of California rice variety trials (VE= very early, E=early, I/L=intermediate/late, RES=Rice Experiment Station)

Very Early Maturity Group (<90 days to 50% heading at RES)

Butte County (RES): Planting date: 05/16, harvest date: 09/30

Year	M-104	M-202	M-206	Calmochi			
				101	S-102	L-205	L-206
2007	8930	10250	11030	6740	10730	9550	10360
2008	10000	10170	10900	9960	10240	10010	11180
2009	7180	8080	8940	7640	8230	9430	9710
2010	-	10470	11290	9470	9380	10140	10200
2011	8570	6300	8860	7990	8780	-	8290
Average	8670	9054	10204	8360	9472	9783	9948

Sutter County: Planting date: 05/18, harvest date: 10/24

Year	M-104	M-202	M-206	Calmochi			
				101	S-102	L-205	L-206
2007	10680	10740	11250	11140	11100	10000	10440
2008	10100	9540	9800	10010	10190	9490	9840
2009	10040	9070	9390	7870	8480	9070	10160
2010	8270	6520	7890	9500	9360	7450	8050
2011	10300	10330	9350	7410	8440	-	9520
Average	9878	9240	9536	9186	9514	9003	9602

Yolo County: Planting date: 05/18, harvest date: 10/17

Year	M-104	M-202	M-206	Calmochi			
				101	S-102	L-205	L-206
2007	7510	7220	7350	7500	7140	7010	7520
2008	9930	10140	10480	9830	10340	9590	10210
2009	11770	11400	12570	10760	11930	11220	10880
2010	8050	7890	8210	7190	7520	7390	8230
2011	10020	9590	10230	9320	9050	-	9490
Average	9456	9248	9768	8920	9196	8803	9266

San Joaquin County (drill-seeded trial): Planting date: 05/09, harvest date: 10/27

Year	Calmochi						
	M-104	M-202	M-206	101	S-102	L-205	L-206
2007	9050	6130	9380	9650	10340	7430	9850
2008	9780	7770	9360	9470	10000	7580	8160
2009	8530	8720	8440	7650	7480	6970	8120
2010	8360	7760	7560	8070	7950	5970	8170
2011	8800	9090	9330	7850	7760	-	8340
Average	8904	7894	8814	8538	8706	6988	8528

Early Maturity Group (90-97 days to 50% heading at RES)

Butte County (RES): Planting date: 05/16, Harvest date: 10/21

Year	Calhikari					Calmati		
	201	S-102	M-202	M-105	M-205	M-206	202	L-206
2007	6230	8730	6940	-	8920	9430	6080	9540
2008	9520	10950	10580	10590	10800	10620	7930	10820
2009	9090	9700	8940	8690	9430	9080	7650	10840
2010	9390	9400	10210	11530	10790	10990	8730	11090
2011	9210	10230	9660	9490	10610	10050	5410	10020
Average	8688	9802	9266	10075	10110	10034	7160	10462

Butte County: Planting date: 05/10, harvest date: 09/30

Year	Calhikari					Calmati		
	201	S-102	M-202	M-105	M-205	M-206	202	L-206
2007	7430	8580	7640	-	8310	8060	7160	8900
2008	6360	7470	7150	8450	8220	8450	7020	8700
2009	8690	7800	9690	8530	9830	8170	7780	9610
2010	7900	7330	8190	8530	7950	8440	6770	8400
2011	8060	8280	8180	9270	8860	8520	8020	9330
Average	7688	7892	8170	8695	8634	8328	7350	8988

Colusa County: Planting date: 05/16, harvest date: 10/26

Year	Calhikari					Calmati		
	201	S-102	M-202	M-105	M-205	M-206	202	L-206
2007	8270	9040	9030	-	9630	9960	6260	9100
2008	8640	9870	9950	10100	10080	10080	5740	9730
2009	7350	8130	8560	8880	9680	8800	5510	8600
2010	9510	10190	10910	10930	11190	10560	4690	10440
2011	6040	7420	9350	7580	9760	9960	5210	9660
Average	7962	8930	9560	9373	10068	9872	5482	9506

Yuba County: Planting date: 05/12, harvest date: 10/19

Year	Calhikari					Calmati		
	201	S-102	M-202	M-105	M-205	M-206	202	L-206
2007	5910	6170	7040	-	7480	7960	5800	6520
2008	8880	9830	10140	10270	10500	10720	6250	11000
2009	6880	7950	7940	8160	8790	8530	5960	9150
2010	8350	10010	10220	10040	9370	10330	5470	9070
2011	7800	8740	9300	9800	10000	10190	6030	10160
Average	7564	8540	8928	9568	9228	9546	5902	9180

Intermediate/Late Maturity Group (>97 days to 50% heading at RES)

Butte County (RES): Planting date: 05/17, harvest date: 10/28

Year	M-205	M-402	M-202	L-205	L-206
2007	10080	8940	8960	9430	10390
2008	10950	9220	10310	9890	10740
2009	9290	9110	8300	9170	9950
2010	11030	8240	10430	-	11610
2011	10270	9200	9160	-	9990
Average	10324	8942	9432	9497	10536

Glenn County: Planting date: 05/06, harvest date: 10/25

Year	M-205	M-402	M-202	L-205	L-206
2007	10400	9080	9110	9150	9670
2008	8440	7240	8300	8820	8710
2009	10120	10610	9230	9910	10440
2010	9210	9360	7970	-	8340
2011	9550	9820	9030	-	8900
Average	9544	9222	8728	9293	9212

Sutter County: Planting date: 05/03, harvest date: 09/26

Year	M-205	M-402	M-202	L-205	L-206
2007	10320	8900	9800	10010	9580
2008	8430	9180	8780	7760	7830
2009	8180	8010	7080	6570	7470
2010	9190	9300	10500	-	9390
2011	9310	8000	9010	-	9780
Average	9086	8678	9034	8113	8810

For an electronic copy of the complete 2012 Agronomy Progress Report, visit the UC Rice Blog, <http://ucanr.org/blogs/riceblog/>, or the UCCE Colusa County Rice web page, <http://cecolusa.ucdavis.edu/rice/>.

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