



# AGRONOMY PROGRESS REPORT

Agricultural Experiment Station

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## CALIFORNIA RICE VARIETIES

### DESCRIPTION AND PERFORMANCE SUMMARY OF THE 2011 AND MULTIYEAR STATEWIDE RICE VARIETY TESTS IN CALIFORNIA

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University of California Cooperative Extension rice variety evaluation tests were conducted in the Sacramento and San Joaquin Valleys in 2011. This program, a cooperative effort involving the California Cooperative Rice Research Foundation, Inc. (CCRRFI) and the United States Department of Agriculture (USDA), compares advanced breeding lines with commercially available rice varieties and evaluates preliminary breeding lines to determine their adaptation to the principal rice growing areas of California. Entries in the tests include lines and varieties developed by CCRRFI rice breeders. The program is partially funded by the Rice Research Board and cooperating growers provide land, water and on-site management for the tests. Names and brief descriptions of the current publicly developed varieties are listed in Table 1.

Spring rains slowed field preparation but did not hinder the planting of a near record of 585,000 acres (an increase of 4.8% compared to 2010). The estimated statewide yield was 8,350 lbs/ac, 4.1% greater than the 2010 average. The harvest of 580,000 acres in 2011 was the third highest on record. Cool spring temperatures followed by relatively mild mid-summer temperatures (Table 2) delayed heading and maturity, increased yield, and generally maintained good milling quality. Significant rain and very cool temperatures early in the harvest season delayed harvest in many areas up to two weeks. The majority of the crop was harvested in normal weather conditions.

## EXPERIMENTAL PROCEDURE

### Cultivars and Locations

Field experiments were conducted at eight farm locations in the rice growing counties of California. Two classes of tests were conducted at each site: 1) Advanced tests consisting of advanced breeding lines and commercial varieties; and 2) Preliminary tests consisting of new lines

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to be evaluated on a statewide basis. Advanced and preliminary tests were conducted in three maturity groups, Very Early, Early, and Intermediate to Late. Entries in each test were generally restricted to a single maturity group to avoid too early or too late maturation relative to the field variety of the test location. Commercial varieties in the very early and early maturity classes, however, were evaluated in both Very Early and Early tests. Advanced and preliminary lines from the three maturity groups were also evaluated at the Rice Experiment Station (RES), Biggs, California, for a total of 22 statewide tests. Advanced tests were arranged in randomized complete block designs with four replications, while preliminary lines were planted in two replications. Seed for the tests was provided by the RES. Maturity groups, test locations and commercial standards in each test were as follows:

***Very Early Maturity Group***

Eleven advanced breeding lines and seven commercial varieties were evaluated in the advanced test at each of the following locations.

	Date Planted	Date Harvested
• Butte County (RES)	05/16	09/30
• Sutter County (Lauppe)	05/18	10/24
• Yolo County (Webster)	05/18	10/17
• San Joaquin (Del Rio Partners)	05/09 (drill-seeded)	10/27

Commercial varieties included Calmochi-101, CH-201, S-102, M-104, M-105, M-206, and L-206. Thirty-four experimental lines and two commercial varieties (M-202 and Akita) were evaluated in the preliminary test at each location. All advanced and preliminary experimental lines at each location were entries from the RES breeding program.

***Early Maturity Group***

Nine advanced lines and eight commercial varieties were evaluated in the advanced test at each of the following locations.

	Date Planted	Date Harvested
• Butte County (RES)	05/16	10/21
• Butte County (Larrabee)	05/10	09/30
• Colusa County (Dennis)	05/16	10/26
• Yuba County (Marler Farms)	05/12	10/19

Commercial varieties included Calmochi-101, Calhkari-201, S-102, M-202, M-205, M-206, M-208, and L-206. Thirty-four preliminary lines and four commercial varieties (Akita, Calmati-202, A-201 and M-105) were included in a separate preliminary test at each site. All advanced and preliminary experimental lines were entries from the RES breeding program.

### ***Late Maturity Group***

Five commercial varieties and four advanced lines were evaluated in the advanced test at each of the following locations.

	Date Planted	Date Harvested
• Butte County (RES)	05/17	10/28
• Glenn County (Wiley)	05/06	10/25
• Sutter County (Tucker)	05/03	09/26

Commercial varieties included Calhkari-201, M-202, M-205, M-402, and L-206. Twenty-seven experimental lines and three commercial varieties (Koshihikari, Calmati-202 and M-205) were included in a separate preliminary test at each site. All advanced and preliminary experimental lines were entries from the RES breeding program.

### **Planting and Harvesting**

Individual plots, except at San Joaquin, were water-seeded by hand at a planting rate of 144 lb/acre. The plots at the San Joaquin Delta site were drill-seeded with a HEGE plot planter at a rate of 120 lb/acre. Agronomic characteristics measured for each entry were seedling vigor, days to 50% heading, plant height, lodging at harvest, grain moisture at harvest and grain yield at 14% moisture. Seedling vigor was rated subjectively by visual observation on a scale of 1 (poor) to 5 (excellent) at three to four weeks after planting. Scores were based on plant health and stand at crop emergence (through the water). Days to 50% heading was measured as the number of days from planting to when 50% of the heads were free from the boot. Plant height was measured at harvest as the distance from the soil surface to the tip of the panicle. Plant lodging was rated visually at time of harvest on a scale of 1 (no lodging) to 99 (all plants completely lodged).

All tests, except Colusa, were harvested with an ALMACO combine. The Colusa test was harvested with a SWECO 324 small plot combine to prevent the spread of rice blast disease. The plots at the RES were harvested with the new RES ALMACO combine. The harvest area for plots harvested by the SWECO, ALMACO, and new RES ALMACO combines was 145, 153, and 140 ft<sup>2</sup> respectively. Grain moisture was assessed at harvest and yields were adjusted to 14% moisture.

### **SUMMARY OF THE VERY EARLY RICE VARIETY TESTS**

*(<90 days to 50% heading at Biggs, CA)*

A two location combined yield and agronomic performance summary is given in Table 3. The RES and Sutter tests were not included in the over-location summary this year due to having unusually high yield CV's. Agronomic performance data for individual entries at each Very Early location are presented in Tables 4-7. Entries are ranked by grain yield with the highest yielding entry appearing first. A 5 year yield summary of selected Very Early commercial rice varieties by location and year (2007-2011) is presented in Table 8.

Grain yields in the advanced tests averaged 8,320 lbs/ac at Biggs-RES, 9,210 lbs/ac at Sutter, 10,080 lbs/ac at Yolo and 8,760 lbs/ac at San Joaquin (Tables 4-7). Over all locations, the three highest yielding entries on average were advanced long grain line 06Y575, advanced waxy short grain line 09Y2141 and advanced medium grain 08Y3076 (9,890, 9,760, and 9,590 lbs/ac respectively). Top yielding commercial varieties M-104, M-206, M-105, and L-206 ranked sixth, seventh, twelfth, and thirteenth, respectively. The third highest yielding entries at Biggs, Sutter, and San Joaquin were M-105, M-104, and M-206 respectively. Averaged across two locations, the RES site was dropped due to high yield CV's, cultivar yields in the preliminary tests ranged from 5,440 to 9,430 lbs/ac (Table 3).

The average number of days to 50% heading in 2011 was three days less than in 2010. Plant height and lodging were relatively unchanged from 2010.

Table 8 is a 5-year summary of very early commercial rice variety yields compared by locations and over years. Common year-location entries are compared to give relative yield as a percentage of M-104, the very early standard. An average of the very early tests, over the last 5 years, shows that M-202, M-206, Calmochi-101, S-102, and L-206 yielded 96%, 104%, 95%, 100%, and 101% (respectively) of the standard variety M-104. Over the 5-year period and across locations, M-206 was the highest yielding variety at 9581 lbs/ac followed by L-206 and S-102 at 9336 lbs/ac, and 9222 lbs/ac respectively (Table 8).

### **SUMMARY OF THE EARLY RICE VARIETY TESTS**

*(90-97 days to 50% heading at Biggs, CA)*

A four location combined advanced yield summary and a three location combined preliminary yield summary are presented in Table 9. The RES preliminary data was not included in the combined summary due to an unusually high yield CV. Agronomic performance data for individual entries at each early location are presented in Tables 10-13. Entries are ranked by grain yield with the highest yielding entry appearing first. A 5 year yield summary of selected early commercial rice varieties by location and year (2007-2011) is found in Table 14.

Yields in the advanced line tests averaged 10,200 lbs/ac at the RES; 8,840 lbs/ac at Butte, 9,090 lbs/ac at Colusa and 9,590 lbs/ac at Yuba (Tables 10-13). Advanced long grain 09Y1122 was the highest yielding entry (10,400 lbs/ac) when averaged over four locations in 2011 (Table 9). Other entries with yields averaging greater than 10,000 lbs/ac were short grain 09Y2179, medium grain 08Y3269, and short grain 09Y2141. The yield of commercial varieties M-208, M-205, L-206, M-206, and M-202, ranked sixth, seventh, eighth, tenth, and thirteenth over all locations (Table 9).

Average days to 50% heading ranged from 91 days at Biggs to 98 days at the Yuba County site. The commercial standard M-206 headed at 88 days at Biggs and 94 days at Yuba. Overall average days to 50% heading was 6 days greater than in 2010.

Table 14 is a 5-year summary of early commercial rice variety yields compared by locations and over years. L-206 was the highest yielding commercial variety (9,534 lbs/ac) followed by M-205

(9,510 lbs/ac). The four highest yielding varieties (L-206, M-205, M-206, and M-105) over time and years yielded within one hundred lbs/ac of each other.

**SUMMARY OF THE INTERMEDIATE-LATE RICE VARIETY TESTS**  
(*intermediate = 98-105 days and late = > 105 days to 50% heading at Biggs, CA*)

A three location combined yield summary is given in Table 15. Agronomic performance data for individual entries at each intermediate-late location are presented in Tables 16-18. Entries are ranked by grain yield with the highest yielding entry appearing first. A 5 year yield summary of selected intermediate-late commercial rice varieties by location and year (2007-2011) is found in Table 19.

Average yields in the advanced tests were 9,760 lbs/ac at the RES, 9,250 lbs/ac at Glenn and 9,400 lbs/ac at Sutter (Tables 16-18). The 2011 advanced over location average yield was 320 lbs/ac greater than the 2010 average. The average yields at Glenn and Sutter increased 870 and 270 lbs/ac respectively, while decreasing 180 lbs/ac at the RES compared to the 2010 season. M-205 was the highest yielding commercial variety (9,710 lbs/ac), ranking third overall. L-206 and M-202 were the next highest yielding commercial varieties across locations, ranking fifth and seventh respectively (Table 15). The advanced long grain Newrex entry 06Y575 was the highest yielding entry at all locations, averaging 10,310 lbs/ac overall.

Average days to 50% heading decreased one day compared to 2010. Plant height was the same as 2010 while lodging decreased 20%. M-402 required the longest time to reach 50% heading among the commercial varieties at all locations, averaging 109 days.

Averaged over the last 5 years and across locations, M-205 (9,651 lbs/ac) is the highest yielding commercial variety. L-206 produced 106% and M-402 produced 99% of the yield of the standard variety M-202 on average over the last 5 years (Table 19).

## **ACKNOWLEDGEMENTS**

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Table 1. Characteristics of Public California Rice Varieties - 2011

CHARACTERISTICS OF PUBLIC CALIFORNIA RICE VARIETIES - 2011					
Grain Type	Maturity	Year Seed Widely Available	Stem Rot Score <sup>1</sup>	Seedling Vigor <sup>2</sup>	Comments
<b>Short Grain</b>					
S-102 <sup>6</sup>	Very Early <sup>3</sup>	1998	5.6	4.3	Very high yield potential. Good resistance to blanking with a very large grain. Rough leaves and hulls, grain dries down rapidly during ripening. Susceptible to stem rot.
<b>Medium Grains</b>					
M-104 <sup>6,7</sup>	Very Early <sup>3</sup>	2002	5.4	4.4	Replacement for M-103 in San Joaquin Valley and as an alternative to M-202 in other cool rice areas. Improved seedling vigor, lodging resistance, and yield compared to M-103. Milling yields similar to M-103. Heads 8 to 10 days earlier than M-202. Early planting in warm areas could limit yield and quality.
M-105 <sup>6,7</sup>	Very Early	2013	4.8	4.2	New release, earlier maturing than M-206 but not as early as M-104. The yield potential of M-105 is less than M-206 but greater than M-104. Very high stable milling yields. Not as cold tolerant as M-104 as a choice for cold areas or late plantings.
M-202	Early	1987	5.5	4.4	Good yield potential. Moderately susceptible to lodging. Long time favorite but is being replaced in many areas with newer varieties.
M-205 <sup>6,7</sup>	Early	2002	4.9	4.1	Very high yield potential. Primary adaptation area west of Highway 70 and north of Highway 20. Susceptible to blanking. Matures 4-7 days later than M-202. Improved milling yields and lodging tolerance relative to M-202. <b>Not recommended</b> for Escalon, Delta region or other cool areas.
M-206 <sup>6,7</sup>	Very Early to Early	2005	4.8	4.3	Very high yield potential. Adapted to entire rice area. Comparable to other medium grains. Improved resistance to blanking and improved milling yield. Four days later than M-104 and four days earlier than M-202. Avoid late planting in the Escalon/Delta areas.
M-208 <sup>6,7</sup>	Early	2008	6.6	4.3	Calrose cultivar released with IG-1 blast resistance. Released for bast problems areas of Glenn and Colusa Counties. Primarily adapted to north of the Yolo-Colusa County line and west of Hwy 70. Production practices comparable to M-206.
<b>Long Grains</b>					
L-206 <sup>6,7</sup>	Very Early to Early	2008	5.5	4.4	Conventional long grain with improved cooking quality. Very high yield potential. Four days earlier than L-205 and M-202. Considerably shorter than L-205 and M-202. Average head rice yield 62%. Adapted to most areas except in coldest and warmest rice growing regions. Harvest at 17 - 18% grain moisture.
<b>Premium Quality</b>					
M-401	Late	1983	5.1	4.3	<i>Premium quality</i> medium grain rice with large kernels. Good yield potential but susceptible to blanking, lodging and damage from premature drainage. Use 20-25% less nitrogen than on other medium grain varieties. Best adapted to warmer areas. Milling yields lower than other medium grain varieties.
M-402 <sup>6,7</sup>	Late	2001	4.7	4.2	<i>Premium quality</i> medium grain. Kernel size is smaller than M-401, much higher head rice potential. About 5-7 days earlier than M-401 with better straw strength. Adapted to warmer areas.
Calhikari-201 <sup>5,6,7</sup>	Early	2001	6.0	4.4	<i>Premium quality</i> short grain developed for the Japanese premium short-grain market. Has very good seedling vigor. A semidwarf with much greater yield potential and resistance to lodging than Japanese varieties. Rough leaves and hulls. Cold delays maturity and increases blanking. Use low nitrogen to maximize market quality.
<b>Specialty Rices<sup>5</sup></b>					
Calmochi-101 <sup>5</sup>	Very Early <sup>3,4</sup>	1987	5.3	4.2	Glutinous (sweet, waxy) rice. Excellent blanking resistance. Has rough leaves and hulls, no awns. Grain dries down rapidly during ripening.
Calamylo-201 <sup>5,6</sup>	Early <sup>4</sup>	2009	6.2	4.2	Low amylose content (≈6-7%), opaque kernel and small short grain shape. Rough leaves and hull and not adapted to cool temperature areas. Low yield potential very limited market.
Calmati-202 <sup>5,6,7</sup>	Early <sup>4</sup>	2008	6.0	4.4	A basmati type long grain with improved cooking quality and more slender grain. Excellent seedling vigor. Yield potential is 10% lower than CT-201. Pubescent leaves and hull. Average milling yield 58 - 60%. Susceptible to blanking and should not be grown in cool areas. Avoid excessive nitrogen. Harvest at 17-18% grain moisture.
<sup>1</sup> Average stem rot score over last five years: 0 = no disease and 10 = severe disease. <sup>2</sup> Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling vigor. <sup>3</sup> Milling quality and yield may be reduced by early planting in warmer areas. <sup>4</sup> Specialty varieties should not be grown unless arrangements have first been made with a marketing agency.			<sup>5</sup> These varieties are considered varieties of Commercial Impact (Tier 1) and are subject to production regulations. <sup>6</sup> Protected under the Plant Variety Protection Act and only to be sold as a class of certified seed. <sup>7</sup> Utility Patent		

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Table 2. 2011 County Weather Data - Daily Maximums and Minimums (°F). Collected by UC IPM - IMPACT and CIMIS

	Glenn (Willows)		Colusa (Colusa)		Yolo (Woodland)		Butte (Durham)		Yuba (Marysville)		Sutter (Nicolas)		San Joaquin (Woodbridge)			Glenn (Willows)		Colusa (Colusa)		Yolo (Woodland)		Butte (Durham)		Yuba (Yuba City)		Sutter (Nicolas)		San Joaquin (Woodbridge)	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min		max	min	max	min	max	min	max	min	max	min	max	min	max	min
Apr 01	81	47	78	47	81	49	78	45	70	45	77	53	81	51	May 01	85	41	82	45	81	47	80	39	79	51	80	46	81	41
Apr 02	74	59	71	51	71	53	69	51	72	45	71	53	71	55	May 02	86	44	84	49	81	49	77	50	79	52	82	54	85	44
Apr 03	75	48	66	47	67	48	68	46	72	47	66	47	67	47	May 03	87	39	80	46	81	45	79	43	80	53	80	49	80	44
Apr 04	77	45	74	44	74	44	75	44	74	47	73	45	75	41	May 04	90	72	87	56	88	59	87	53	79	52	88	56	89	45
Apr 05	75	48	72	44	71	48	73	49	72	48	69	53	74	46	May 05	91	50	91	49	90	50	88	46	79	52	92	57	91	48
Apr 06	72	42	71	39	73	44	70	43	71	48	73	46	69	44	May 06	87	50	84	52	79	51	82	50	78	51	81	52	81	48
Apr 07	63	39	58	36	57	37	58	36	70	46	57	41	56	37	May 07	75	49	74	50	76	48	71	50	80	53	75	50	74	43
Apr 08	67	32	61	30	58	32	61	32	70	47	58	38	59	31	May 08	73	53	67	52	66	48	66	49	80	53	68	50	66	45
Apr 09	69	38	67	33	66	34	67	32	72	46	67	38	68	33	May 09	82	44	71	43	72	46	71	43	80	53	71	49	72	42
Apr 10	69	39	66	45	65	40	66	40	73	47	65	45	66	37	May 10	83	46	84	45	81	46	80	43	81	53	81	50	80	38
Apr 11	70	43	68	46	68	42	68	46	74	47	69	47	68	44	May 11	77	51	75	52	73	49	74	53	82	54	70	50	73	42
Apr 12	70	42	68	44	66	37	68	40	75	48	68	45	67	39	May 12	80	46	78	50	84	53	78	50	83	54	79	50	79	45
Apr 13	65	44	62	41	63	42	57	42	74	48	63	44	61	44	May 13	82	47	81	47	81	46	79	47	85	55	81	50	78	44
Apr 14	71	39	64	40	65	37	63	39	76	48	65	42	65	36	May 14	65	48	64	49	61	47	61	49	83	56	63	48	64	48
Apr 15	79	49	66	48	72	46	66	48	74	48	72	49	73	45	May 15	61	46	60	45	58	44	59	43	82	55	59	45	59	44
Apr 16	73	45	78	47	77	48	79	46	73	49	78	52	76	49	May 16	60	41	59	44	60	41	61	41	81	54	62	46	63	42
Apr 17	81	52	76	53	77	51	75	55	73	49	77	55	75	53	May 17	70	48	63	49	59	48	61	47	82	54	59	50	59	48
Apr 18	72	47	68	56	66	51	65	56	71	47	67	55	67	54	May 18	81	50	71	49	69	49	70	49	82	54	69	52	68	48
Apr 19	74	51	71	54	71	45	71	54	73	48	72	52	71	56	May 19	82	49	81	47	79	47	80	43	84	55	79	48	78	43
Apr 20	72	53	69	54	67	51	69	54	74	49	70	53	72	52	May 20	81	52	80	51	80	49	78	48	82	55	81	52	81	45
Apr 21	72	43	70	44	68	46	69	47	77	48	67	50	67	48	May 21	82	54	79	54	77	51	78	55	84	54	79	54	78	50
Apr 22	72	47	68	45	67	44	69	45	75	50	68	48	68	42	May 22	81	52	76	53	76	49	74	52	85	55	74	52	74	47
Apr 23	75	49	66	50	65	46	66	51	74	51	66	49	70	46	May 23	74	50	73	52	73	46	70	51	85	57	74	50	74	46
Apr 24	77	49	74	56	72	50	71	55	74	50	71	53	69	51	May 24	76	45	74	47	74	45	72	47	84	56	75	48	75	43
Apr 25	74	45	72	44	68	45	71	44	74	49	70	51	70	48	May 25	67	49	65	49	64	49	60	47	86	56	65	51	65	45
Apr 26	75	37	71	37	71	39	70	33	77	50	70	45	70	43	May 26	72	41	83	55	69	43	81	55	85	56	71	46	71	41
Apr 27	77	44	76	42	73	42	74	39	79	50	74	53	75	42	May 27	84	55	71	53	70	47	69	54	85	57	71	50	72	49
Apr 28	70	43	72	48	73	45	72	48	78	51	73	49	71	46	May 28	72	47	58	47	67	43	57	47	84	57	66	47	69	45
Apr 29	78	47	67	40	68	42	66	43	79	52	67	42	68	38	May 29	75	40	72	41	73	39	71	43	85	56	71	45	72	43
Apr 30	75	51	74	47	74	49	73	43	80	52	74	50	76	46	May 30	76	59	69	48	66	49	67	45	86	58	67	50	68	44
															May 31	68	52	62	51	62	51	59	52	86	57	65	53	70	49
Jun 01	67	41	61	45	61	44	60	47	87	57	61	44	67	45	Jul 01	91	59	91	59	94	58	88	59	94	61	92	61	94	55
Jun 02	69	44	68	47	68	44	67	47	86	56	70	52	70	43	Jul 02	96	61	96	63	97	60	92	60	93	61	97	63	98	58
Jun 03	86	55	63	44	64	44	62	43	88	58	65	48	66	42	Jul 03	105	65	98	65	99	64	99	64	94	61	99	65	100	59
Jun 04	65	54	64	55	65	53	64	54	88	58	67	54	66	54	Jul 04	98	66	98	61	99	62	94	60	94	61	99	66	100	60
Jun 05	72	55	71	57	69	56	72	56	89	59	71	56	72	54	Jul 05	100	66	99	65	99	61	96	63	95	62	101	64	100	59
Jun 06	81	55	66	51	62	50	62	52	88	60	66	52	66	50	Jul 06	97	68	96	67	94	61	93	65	95	62	98	69	99	63
Jun 07	83	52	80	50	77	48	79	49	88	60	79	50	77	46	Jul 07	97	62	92	64	93	59	90	59	94	61	95	64	96	59
Jun 08	88	56	81	66	91	57	86	56	91	60	81	53	81	48	Jul 08	96	63	96	62	94	55	92	63	95	61	96	61	97	56
Jun 09	90	59	90	55	85	50	89	56	90	60	87	53	85	48	Jul 09	93	60	88	64	85	56	88	64	95	62	87	58	87	55
Jun 10	88	57	85	59	83	54	85	58	90	60	84	55	81	50	Jul 10	92	60	86	58	86	53	84	57	95	62	87	55	87	49
Jun 11	87	57	77	56	76	51	76	57	89	59	76	52	75	47	Jul 11	85	59	81	59	78	54	91	61	96	62	80	56	78	51
Jun 12	85	54	84	54	84	49	82	52	89	58	84	52	84	49	Jul 12	85	57	83	56	81	53	81	55	97	63	83	55	80	48
Jun 13	96	61	88	61	89	54	86	62	90	58	90	57	88	51	Jul 13	80	60	78	59	77	56	77	59	99	64	78	57	77	52
Jun 14	98	64	95	62	95	57	96	60	89	59	94	59	94	54	Jul 14	83	54	80	55	77	52	78	51	99	65	80	54	78	45
Jun 15	98	54	93	59	95	61	94	57	90	59	92	62	94	59	Jul 15	96	63	81	55	79	51	81	53	96	64	81	54	80	46
Jun 16	91	54	87	60	87	58	87	65	91	61	85	60	87	55	Jul 16	85	55	80	56	80	53	78	55	95	62	82	55	80	53
Jun 17	90	58	91	55	90	52	87	55	91	60	88	56	87	50	Jul 17	93	61	80	58	80	56	79	59	95	63	80	58	78	58
Jun 18	91	57	87	57	85	51	85	56	90	59	86	54	85	49	Jul 18	86	54	83	57	82	54	82	53	96	62	84	57	84	52
Jun 19	94	60	88	62	90	56	88	59	91	59	88	59	89	55	Jul 19	91	58	94	59	87	55	91	60	96	61	89	58	89	56
Jun 20	101	60	94	61	95	71	94	61	93	60	95	64	96	56	Jul 20	94	60	92	61	92	56	90	55	95	63	94	61	95	54
Jun 21	99	65	98	64	100	63	95	61	94	61	101	65	101	58	Jul 21	95	65	94	62	93	58	91	60	95	62	95	63	95	54
Jun 22	99	68	98	67	96	59	95	65	93	60	98	63	97	62	Jul 22	93	60	94	64	90	59	90	62	96	63	93	61	92	56
Jun 23	90	59	89	61	87	55	87	62	92	61	89	57	87	53	Jul 23	93	61	91	62	87	56	89	62	96	63	90	59	88	54
Jun 24	91	59	87	57	85	51																							

Table 2. 2011 County Weather Data - Daily Maximums and Minimums (°F). (continued)

	Glenn (Willows)		Colusa (Colusa)		Yolo (Woodland)		Butte (Durham)		Yuba (Marysville)		Sutter (Nicolas)		San Joaquin (Woodbridge)	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min
Aug 01	93	57	91	58	88	53	89	59	97	63	91	56	87	56
Aug 02	93	57	93	58	92	52	89	59	98	64	93	56	92	55
Aug 03	94	61	93	57	89	53	90	56	97	63	92	57	90	51
Aug 04	90	56	83	58	80	55	81	56	97	63	85	57	82	49
Aug 05	94	60	89	55	88	50	87	56	97	62	91	56	90	51
Aug 06	91	60	88	59	85	53	87	58	98	63	89	57	87	53
Aug 07	90	61	86	58	83	54	91	61	96	64	87	56	86	52
Aug 08	92	60	91	57	87	50	92	60	97	64	87	50	89	50
Aug 09	94	59	92	56	92	49	92	60	98	63	92	49	92	50
Aug 10	94	60	91	60	89	55	91	59	96	62	89	55	92	51
Aug 11	94	60	89	59	96	58	88	59	95	61	93	55	87	51
Aug 12	93	58	91	56	88	49	88	57	95	61	88	49	90	50
Aug 13	95	60	93	60	91	54	90	61	93	60	91	54	94	55
Aug 14	95	58	87	62	90	55	87	58	93	60	90	55	91	53
Aug 15	91	58	89	61	89	54	86	56	93	61	89	54	91	52
Aug 16	93	60	91	58	90	51	88	54	93	59	90	51	93	50
Aug 17	94	59	92	58	90	51	90	56	92	59	90	51	91	53
Aug 18	94	58	92	58	90	53	90	56	91	59	90	53	92	51
Aug 19	89	57	88	57	81	50	86	58	90	59	81	50	84	50
Aug 20	90	55	86	53	81	50	84	55	91	60	81	50	83	49
Aug 21	89	53	87	53	82	50	84	54	93	60	82	50	85	49
Aug 22	92	53	92	55	93	57	87	54	93	60	91	55	88	50
Aug 23	93	57	92	55	94	67	89	55	92	60	94	67	96	50
Aug 24	95	63	92	56	95	60	91	57	92	59	96	64	94	60
Aug 25	96	56	92	57	92	56	90	58	92	60	93	59	93	53
Aug 26	96	62	96	60	94	55	91	59	91	59	95	60	95	55
Aug 27	95	61	93	57	92	53	91	60	93	59	94	57	93	54
Aug 28	96	61	95	56	94	48	92	56	94	59	96	57	96	50
Aug 29	94	58	94	58	91	49	90	57	92	60	94	59	92	50
Aug 30	90	55	88	53	85	49	87	55	89	60	88	56	87	48
Aug 31	97	55	87	54	85	50	86	55	92	59	87	55	86	48
Oct 01	75	49	74	54	76	57	72	56	86	55	76	58	77	50
Oct 02	74	49	76	51	77	50	74	51	84	55	77	55	78	47
Oct 03	64	44	67	52	69	46	67	51	87	55	70	51	69	47
Oct 04	64	54	65	55	66	54	82	53	86	55	66	55	70	56
Oct 05	65	48	63	46	66	47	83	52	86	54	66	49	66	51
Oct 06	75	46	63	44	62	45	84	52	84	55	61	48	63	46
Oct 07	77	45	73	40	54	50	84	50	84	54	69	45	71	40
Oct 08	78	46	76	44	77	44	85	51	84	54	75	48	76	43
Oct 09	76	48	76	47	77	47	84	51	84	54	76	52	77	46
Oct 10	75	57	67	59	66	58	81	50	82	53	64	60	65	56
Oct 11	83	59	76	56	77	59	82	50	80	53	75	58	78	57
Oct 12	84	52	79	50	81	53	82	50	82	52	77	55	80	51
Oct 13	87	52	83	49	83	50	82	51	81	53	80	54	84	48
Oct 14	87	53	86	50	85	53	82	49	81	52	82	55	85	49
Oct 15	86	59	85	58	85	57	81	49	80	52	84	60	85	53
Oct 16	89	55	80	57	79	56	80	49	78	51	79	59	76	53
Oct 17	88	60	86	53	87	56	81	46	79	49	83	57	86	50
Oct 18	86	53	82	44	86	51	81	46	79	50	84	56	87	48
Oct 19	80	52	78	55	77	51	81	46	78	50	75	56	76	53
Oct 20	85	48	81	51	80	48	80	47	77	50	79	55	81	46
Oct 21	88	52	82	50	81	49	79	47	77	51	78	53	80	46
Oct 22	89	47	82	47	82	49	78	48	75	51	80	52	82	45
Oct 23	84	48	83	47	82	48	76	47	76	51	80	53	84	46
Oct 24	79	51	78	48	78	50	75	46	76	50	78	54	79	47
Oct 25	76	56	74	48	75	45	75	47	76	51	72	56	74	43
Oct 26	76	56	72	41	73	42	76	47	75	50	71	47	73	40
Oct 27	77	40	74	37	72	38	74	48	74	49	72	42	74	34
Oct 28	86	41	77	37	76	40	70	49	72	49	73	44	76	37
Oct 29	86	44	82	38	81	43	71	49	69	48	76	45	79	35
Oct 30	84	47	81	44	79	43	71	46	70	48	76	48	80	41
Oct 31	84	49	81	45	80	47	72	44	71	47	78	49	80	41
Sep 01	100	59	92	56	92	55	93	56	93	60	90	57	93	52
Sep 02	100	75	95	59	96	59	96	59	93	60	93	61	96	53
Sep 03	94	59	93	56	93	53	87	54	94	60	95	60	92	53
Sep 04	94	58	92	55	89	52	91	57	94	60	91	57	90	51
Sep 05	96	54	89	53	88	49	88	55	94	61	91	55	89	50
Sep 06	96	63	95	55	96	52	92	53	92	61	97	56	98	51
Sep 07	97	60	95	56	97	52	91	56	92	59	96	60	97	53
Sep 08	106	62	99	56	96	53	90	55	92	60	97	61	93	52
Sep 09	108	66	102	58	101	56	103	59	90	59	100	59	96	54
Sep 10	96	69	92	60	95	64	95	62	89	58	93	66	93	58
Sep 11	87	60	83	63	83	61	82	62	89	58	81	61	79	60
Sep 12	91	62	85	60	87	59	84	58	90	57	87	61	87	56
Sep 13	93	66	94	62	94	58	89	63	89	58	91	60	92	54
Sep 14	90	64	88	62	86	58	87	61	89	58	88	60	88	56
Sep 15	84	55	82	57	79	55	81	57	88	58	80	57	82	51
Sep 16	88	52	80	50	81	50	80	50	88	58	83	53	82	47
Sep 17	87	55	87	52	86	51	84	52	87	57	85	54	84	46
Sep 18	92	57	89	52	92	53	86	51	86	57	89	58	92	49
Sep 19	96	57	94	54	94	54	92	54	86	56	90	60	94	52
Sep 20	95	59	97	56	99	58	92	55	89	56	95	61	96	54
Sep 21	97	60	100	54	99	60	91	54	90	56	98	61	98	53
Sep 22	97	64	100	56	100	55	93	54	88	56	98	59	96	52
Sep 23	96	60	96	56	98	58	96	54	88	56	98	63	98	54
Sep 24	86	55	90	59	88	59	85	58	86	57	85	59	81	60
Sep 25	84	55	72	57	73	52	69	57	85	57	72	58	72	52
Sep 26	90	54	82	53	83	52	82	52	85	57	79	54	82	46
Sep 27	93	54	91	52	88	52	90	53	85	56	86	56	89	48
Sep 28	94	58	91	54	93	58	89	54	87	55	92	59	93	52
Sep 29	95	62	94	56	97	65	93	55	86	56	94	61	94	56
Sep 30	85	59	83	59	81	58	90	55	88	56	81	59	77	55
Nov 01	75	53	70	55	71	59	71	45	71	47	71	54	73	49
Nov 02	74	54	72	46	71	46	71	44	72	46	72	43	74	36
Nov 03	60	37	61	39	65	41	74	43	72	47	66	45	64	35
Nov 04	59	36	58	35	58	31	73	43	72	45	57	39	59	33
Nov 05	54	35	56	33	57	32	71	43	71	47	56	37	56	30
Nov 06	63	42	55	38	56	43	68	44	70	47	55	44	58	42
Nov 07	62	35	65	35	60	39	70	42	69	47	57	40	60	35
Nov 08	63	32	59	32	59	31	69	41	68	45	58	37	61	31
Nov 09	67	35	63	32	61	34	66	41	66	44	61	36	64	31
Nov 10	65	34	66	30	65	37	66	43	64	46	65	38	69	32
Nov 11	65	40	59	35	55	39	68	41	64	45	57	40	56	36
Nov 12	67	47	63	46	64	47	67	41	65	44	62	47	65	44
Nov 13	68	43	64	41	67	43	65	43	64	44	65	46	67	43
Nov 14	70	43	67	42	66	43	64	42	63	43	64	46	64	40
Nov 15	69	38	68	38	67	36	63	43	62	43	64	44	67	35
Nov 16	66	40	63	40	70	38	62							



Table 3. 2011 Very Early Rice Variety Tests - Two Location Summary

*Advanced Lines and Varieties*

Variety	Grain Type	Over All Ave Grain Yield at 14% Moisture lbs/acre	Single Location Yields		Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
			Yolo	San Joaquin					
06Y575	L	<b>10600 (1)</b>	11360 (2)	9830 (1)	19.0 (8)	4.9 (12)	102 (17)	1 (1)	40 (18)
09Y2141	S	<b>10580 (2)</b>	11580 (1)	9580 (2)	20.5 (4)	5.0 (1)	99 (12)	1 (1)	40 (17)
08Y3076	M	<b>9890 (3)</b>	10460 (4)	9330 (4)	20.7 (3)	5.0 (8)	100 (15)	2 (16)	37 (13)
M206	M	<b>9780 (4)</b>	10230 (9)	9330 (3)	20.7 (2)	5.0 (1)	96 (10)	1 (1)	38 (14)
09Y2036	S	<b>9670 (5)</b>	10380 (6)	8970 (7)	19.0 (9)	4.9 (14)	97 (11)	1 (1)	38 (16)
08Y2049	S	<b>9650 (6)</b>	10500 (3)	8800 (10)	19.8 (7)	4.9 (14)	96 (8)	1 (1)	35 (3)
07Y843	M	<b>9610 (7)</b>	10250 (8)	8960 (8)	21.6 (1)	5.0 (10)	94 (5)	1 (1)	37 (11)
M105	M	<b>9500 (8)</b>	10290 (7)	8720 (11)	19.9 (6)	4.9 (11)	93 (4)	1 (1)	37 (12)
08Y3016	M	<b>9490 (9)</b>	9840 (13)	9150 (5)	18.9 (10)	4.8 (17)	92 (2)	1 (1)	35 (5)
M104	M	<b>9410 (10)</b>	10020 (11)	8800 (9)	18.6 (12)	5.0 (1)	91 (1)	1 (1)	36 (7)
08Y3080	M	<b>9370 (11)</b>	9630 (14)	9100 (6)	18.6 (13)	5.0 (1)	94 (5)	1 (1)	38 (15)
09Y1079	L	<b>9310 (12)</b>	10060 (10)	8560 (12)	18.7 (11)	5.0 (1)	103 (18)	1 (1)	35 (4)
CH201	S	<b>9130 (13)</b>	9910 (12)	8360 (14)	16.0 (16)	5.0 (8)	99 (14)	26 (18)	35 (2)
04Y177	S	<b>9080 (14)</b>	10440 (5)	7720 (18)	18.2 (14)	4.3 (18)	99 (13)	25 (17)	36 (8)
09Y3024	M	<b>9060 (15)</b>	9570 (15)	8550 (13)	19.9 (5)	4.9 (12)	96 (8)	1 (1)	36 (6)
L206	L	<b>8920 (16)</b>	9490 (16)	8340 (15)	16.2 (15)	5.0 (1)	100 (15)	1 (1)	33 (1)
S102	S	<b>8410 (17)</b>	9050 (17)	7760 (17)	15.3 (18)	5.0 (1)	93 (3)	1 (1)	36 (9)
CM101	S	<b>8090 (18)</b>	8320 (18)	7850 (16)	15.6 (17)	4.8 (16)	95 (7)	1 (1)	36 (10)
MEAN		<b>9420</b>	10080	8760	18.7	4.9	96	4	37
CV		<b>4.6</b>	4.5	4.6	5.3	4.6	2.2	233.8	3.5
LSD (.05)		<b>430</b>	650	580	1	0.2	2	9	1

*Preliminary Lines and Varieties*

10Y2043	S	<b>9960 (1)</b>	11660 (1)	8260 (26)	17.6 (23)	4.7 (28)	100 (26)	1 (1)	36 (4)
10Y3282	M	<b>9920 (2)</b>	10450 (5)	9390 (4)	17.6 (24)	5.0 (1)	91 (3)	3 (28)	36 (8)
10Y3286	M	<b>9840 (3)</b>	10700 (3)	8980 (10)	18.9 (11)	4.7 (28)	96 (17)	1 (1)	37 (11)
09Y3059	M	<b>9830 (4)</b>	10260 (8)	9390 (2)	18.4 (13)	5.0 (1)	96 (16)	1 (1)	37 (10)
09Y3078	M	<b>9810 (5)</b>	10240 (10)	9390 (3)	17.8 (21)	4.8 (24)	92 (5)	1 (1)	39 (24)
09Y2063	SWX	<b>9800 (6)</b>	10050 (16)	9540 (1)	18.0 (18)	4.9 (14)	97 (22)	1 (1)	38 (21)
09Y3225	M	<b>9770 (7)</b>	10820 (2)	8730 (16)	19.0 (10)	5.0 (1)	97 (21)	1 (1)	39 (30)
10Y3290	M	<b>9750 (8)</b>	10560 (4)	8940 (13)	18.6 (12)	4.9 (14)	98 (23)	1 (1)	38 (18)
10Y2158	SWX	<b>9730 (9)</b>	10140 (14)	9320 (6)	20.6 (2)	4.8 (24)	103 (30)	1 (1)	38 (16)
09Y3268	M	<b>9630 (10)</b>	10280 (6)	8990 (9)	18.3 (14)	4.9 (14)	96 (18)	1 (1)	38 (17)
09Y3272	M	<b>9630 (11)</b>	10000 (17)	9250 (7)	18.3 (15)	5.0 (1)	94 (12)	1 (1)	38 (20)
09Y3277	M	<b>9620 (12)</b>	9890 (19)	9340 (5)	19.4 (7)	5.0 (1)	94 (11)	1 (1)	36 (6)
09Y3176	M	<b>9580 (13)</b>	10190 (11)	8970 (11)	18.2 (16)	4.9 (20)	93 (9)	1 (1)	36 (5)
09Y3538	M	<b>9560 (14)</b>	10160 (12)	8960 (12)	19.1 (9)	5.0 (13)	95 (13)	1 (1)	37 (9)
10Y2049	SPQ	<b>9430 (15)</b>	10260 (9)	8610 (20)	17.8 (20)	4.8 (24)	95 (15)	1 (1)	35 (3)
10Y3261	M	<b>9430 (16)</b>	10270 (7)	8580 (21)	19.6 (4)	4.9 (14)	97 (20)	1 (1)	39 (27)
09Y3043	M	<b>9410 (17)</b>	9980 (18)	8840 (14)	17.2 (26)	4.9 (20)	93 (6)	1 (1)	39 (25)
M202	M	<b>9340 (18)</b>	9590 (25)	9090 (8)	19.5 (6)	5.0 (1)	99 (24)	1 (1)	40 (31)
10Y1008	LSR	<b>9280 (19)</b>	9890 (20)	8670 (17)	17.9 (19)	4.9 (14)	102 (29)	1 (1)	38 (19)
10Y1178	L	<b>9270 (20)</b>	9740 (24)	8800 (15)	20.2 (3)	4.3 (31)	109 (32)	1 (1)	39 (26)
09Y3270	M	<b>9210 (21)</b>	9800 (23)	8620 (18)	17.5 (25)	5.0 (1)	91 (3)	1 (1)	38 (22)
09Y3273	M	<b>9200 (22)</b>	9870 (21)	8530 (23)	17.7 (22)	5.0 (1)	93 (6)	1 (1)	39 (28)
10Y2123	MPQ	<b>9190 (23)</b>	10070 (15)	8320 (25)	21.5 (1)	4.4 (30)	102 (28)	33 (31)	39 (29)
10Y2031	SLA	<b>9100 (24)</b>	10140 (13)	8060 (30)	14.4 (32)	5.0 (1)	93 (8)	5 (29)	35 (2)
10Y3227	M	<b>9080 (25)</b>	9540 (26)	8610 (19)	19.5 (5)	5.0 (1)	94 (10)	1 (1)	38 (15)
10Y2115	SLA	<b>9000 (26)</b>	9520 (27)	8480 (24)	15.0 (31)	4.9 (20)	95 (13)	5 (29)	37 (12)
09Y3048	M	<b>8970 (27)</b>	9810 (22)	8130 (29)	17.2 (27)	5.0 (1)	90 (2)	1 (1)	37 (14)
09Y3256	M	<b>8760 (28)</b>	9300 (28)	8230 (27)	19.1 (8)	4.8 (24)	96 (19)	1 (1)	38 (23)
06Y513	L	<b>8730 (29)</b>	8930 (29)	8530 (22)	16.3 (29)	4.9 (20)	105 (31)	1 (1)	36 (7)
10Y3305	M	<b>8430 (30)</b>	8840 (30)	8030 (31)	17.1 (28)	5.0 (1)	89 (1)	1 (1)	34 (1)
09Y2060	SWX	<b>8290 (31)</b>	8440 (31)	8150 (28)	15.5 (30)	4.9 (14)	100 (25)	1 (1)	37 (13)
AKITA	SPQ	<b>5940 (32)</b>	7050 (32)	4820 (32)	18.1 (17)	3.7 (32)	100 (27)	48 (32)	40 (32)
MEAN		<b>9270</b>	9890	8640	18.2	4.8	96	4	38
CV		<b>4</b>	3.5	4.5	5.2	4.9	1.9	125.6	3.1
LSD (.05)		<b>520</b>	710	800	1.3	0.3	3	7	2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stem rot resistant; LA = Low Amalose.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

\* Biggs and Sutter locations excluded from overall summary due to excessively high cvs.

Table 4. 2011 Very Early Rice Variety Trial - Biggs

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
08Y3076	M	9440 (1)	19.0 (3)	4.7 (9)	90 (15)	1 (1)	36 (9)
08Y3016	M	9160 (2)	18.6 (6)	4.7 (9)	85 (4)	1 (1)	38 (13)
M105	M	9020 (3)	18.7 (5)	4.8 (4)	84 (2)	1 (1)	38 (12)
09Y2141	SWX	8850 (4)	17.7 (9)	4.7 (17)	89 (13)	1 (1)	40 (17)
S102	S	8780 (5)	15.9 (18)	4.7 (9)	84 (3)	1 (1)	36 (5)
M206	M	8660 (6)	19.1 (1)	4.8 (6)	87 (9)	1 (1)	39 (15)
07Y843	M	8620 (7)	19.0 (2)	4.8 (7)	85 (4)	1 (1)	36 (7)
M104	M	8570 (8)	17.8 (7)	4.9 (2)	83 (1)	1 (1)	36 (8)
09Y2036	S	8530 (9)	16.8 (12)	4.7 (12)	88 (11)	1 (1)	39 (16)
L206	L	8290 (10)	16.7 (13)	4.7 (12)	88 (11)	1 (1)	35 (4)
09Y3024	M	8070 (11)	19.0 (4)	4.7 (14)	86 (8)	1 (1)	38 (13)
09Y1079	L	8060 (12)	17.1 (11)	4.9 (2)	91 (16)	1 (1)	36 (6)
CM101	SWX	7990 (13)	16.6 (17)	4.8 (7)	87 (10)	1 (1)	37 (10)
08Y2049	SSR	7860 (14)	16.7 (14)	4.6 (18)	85 (6)	1 (1)	33 (1)
06Y575	LR	7790 (15)	17.7 (10)	4.8 (4)	94 (18)	1 (1)	42 (18)
04Y177	SPQ	7430 (16)	16.6 (15)	4.7 (14)	89 (13)	1 (1)	35 (3)
08Y3080	M	7420 (17)	17.8 (8)	4.7 (14)	85 (6)	1 (1)	38 (11)
CH201	SPQ	7190 (18)	16.6 (16)	4.9 (1)	92 (17)	1 (1)	34 (2)
MEAN		8320	17.6	4.7	87	1	37
CV		9.2	2.6	1.6	1.3		4.4
LSD (.05)		1090	0.7	0.1	2		2

<i>Preliminary Lines and Varieties</i>							
10Y3286	M	8360 (1)	18.7 (3)	4.8 (12)	83 (5)	1 (1)	38 (27)
10Y3282	M	7770 (2)	18.7 (5)	4.9 (4)	84 (8)	1 (1)	37 (17)
09Y3059	M	7660 (3)	18.8 (2)	4.8 (12)	84 (8)	1 (1)	38 (27)
10Y2049	SPQ	7630 (4)	16.6 (29)	4.8 (12)	84 (13)	1 (1)	33 (2)
10Y3261	M	7490 (5)	18.8 (1)	5.0 (1)	85 (16)	1 (1)	39 (30)
09Y3272	M	7490 (6)	17.1 (23)	4.8 (12)	84 (8)	1 (1)	35 (8)
09Y3225	M	7490 (7)	18.4 (7)	4.7 (28)	87 (21)	1 (1)	37 (21)
10Y3227	M	7480 (8)	17.4 (20)	4.9 (2)	83 (4)	1 (1)	37 (21)
09Y3268	M	7340 (9)	17.8 (16)	4.8 (12)	84 (8)	1 (1)	37 (21)
09Y3078	M	7320 (10)	18.7 (3)	4.8 (24)	83 (5)	1 (1)	38 (29)
10Y1008	LSR	7310 (11)	16.6 (31)	4.9 (4)	90 (30)	1 (1)	37 (24)
10Y2158	SWX	7310 (12)	17.4 (22)	4.8 (24)	90 (29)	1 (1)	36 (14)
10Y2043	S	7300 (13)	16.8 (27)	4.7 (28)	89 (27)	1 (1)	35 (4)
10Y3290	M	7210 (14)	18.1 (11)	4.9 (4)	85 (16)	1 (1)	36 (10)
09Y3277	M	7040 (15)	18.0 (12)	4.8 (12)	84 (8)	1 (1)	35 (8)
10Y2115	SLA	7020 (16)	17.1 (24)	4.7 (28)	86 (20)	1 (1)	35 (6)
09Y3048	M	7010 (17)	18.6 (6)	4.8 (12)	81 (2)	1 (1)	37 (18)
09Y3176	M	6990 (18)	17.6 (17)	4.8 (12)	84 (13)	1 (1)	35 (4)
10Y2123	MPQ	6930 (19)	18.4 (8)	4.8 (12)	85 (16)	1 (1)	36 (11)
09Y3270	M	6820 (20)	17.4 (21)	4.9 (4)	82 (3)	1 (1)	36 (16)
06Y513	L	6820 (21)	16.7 (28)	4.9 (4)	93 (31)	1 (1)	37 (24)
10Y1178	L	6730 (22)	17.5 (18)	4.8 (23)	96 (32)	1 (1)	36 (13)
09Y3538	M	6670 (23)	17.9 (15)	4.9 (4)	85 (16)	1 (1)	37 (18)
09Y3043	M	6660 (24)	18.2 (10)	4.9 (4)	83 (5)	1 (1)	39 (31)
09Y3273	M	6500 (25)	17.5 (19)	4.8 (12)	84 (13)	1 (1)	36 (12)
09Y2060	SWX	6500 (26)	15.8 (32)	4.9 (4)	88 (22)	1 (1)	36 (14)
09Y2063	SWX	6460 (27)	16.6 (30)	4.8 (24)	88 (22)	1 (1)	35 (6)
10Y3305	M	6400 (28)	16.9 (25)	4.9 (2)	80 (1)	1 (1)	34 (3)
10Y2031	SLA	6330 (29)	16.9 (26)	4.6 (31)	88 (24)	1 (1)	32 (1)
M202	M	6300 (30)	17.9 (14)	4.8 (12)	88 (24)	1 (1)	37 (26)
09Y3256	M	5850 (31)	18.3 (9)	4.8 (24)	89 (28)	1 (1)	37 (18)
AKITA	SPQ	5310 (32)	18.0 (13)	4.2 (32)	88 (24)	1 (1)	40 (32)
MEAN		6980	17.7	4.8	86	1	36
CV		10.2	2.6	1.5	1.1		5
LSD (.05)			0.9	0.1	2		

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stem rot resistant; LA = Low Amalose.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 5. 2011 Very Early Rice Variety Trial - Sutter

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	10560 (1)	18.5 (12)	5.0 (1)	94 (16)	1 (1)	38 (13)
09Y1079	L	10300 (2)	18.0 (13)	5.0 (1)	95 (17)	1 (1)	34 (2)
M104	M	10300 (3)	19.9 (9)	5.0 (1)	84 (3)	74 (17)	37 (10)
08Y3080	M	10260 (4)	18.9 (11)	5.0 (1)	89 (11)	45 (11)	40 (18)
07Y843	M	10120 (5)	22.1 (2)	5.0 (1)	88 (9)	3 (6)	37 (8)
CH201	SPQ	9750 (6)	17.0 (17)	5.0 (1)	96 (18)	48 (12)	37 (10)
08Y3016	M	9610 (7)	20.7 (5)	5.0 (1)	85 (4)	81 (18)	37 (7)
L206	L	9520 (8)	17.3 (16)	5.0 (1)	91 (14)	1 (1)	32 (1)
M206	M	9350 (9)	18.9 (10)	5.0 (1)	90 (13)	1 (1)	38 (14)
08Y3076	M	9110 (10)	23.2 (1)	5.0 (1)	94 (15)	60 (14)	39 (16)
08Y2049	SSR	9040 (11)	20.4 (6)	5.0 (1)	89 (12)	6 (8)	35 (4)
09Y2141	SWX	9030 (12)	19.9 (8)	5.0 (1)	88 (7)	1 (1)	39 (17)
04Y177	SPQ	8760 (13)	17.5 (15)	5.0 (1)	88 (9)	53 (13)	35 (3)
09Y2036	S	8500 (14)	20.3 (7)	5.0 (1)	87 (6)	63 (15)	38 (12)
S102	S	8440 (15)	16.3 (18)	5.0 (1)	84 (1)	28 (10)	36 (5)
M105	M	8030 (16)	22.1 (2)	5.0 (1)	87 (5)	4 (7)	38 (15)
09Y3024	M	7780 (17)	20.7 (4)	5.0 (1)	88 (8)	17 (9)	37 (8)
CM101	SWX	7410 (18)	17.6 (14)	5.0 (1)	84 (1)	71 (16)	37 (6)
MEAN		9210	19.4	5.0	89	31	37
CV		10.6	9.1		0.6	68.6	3.3
LSD (.05)		1390	2.5		1	30	2

*Preliminary Lines and Varieties*

10Y1178	L	10870 (1)	20.6 (15)	5.0 (1)	98 (32)	1 (1)	36 (4)
09Y3043	M	10790 (2)	19.8 (25)	5.0 (1)	86 (8)	1 (1)	41 (31)
10Y3290	M	10690 (3)	19.8 (24)	5.0 (1)	91 (25)	26 (18)	37 (6)
10Y2043	S	10490 (4)	19.7 (27)	5.0 (1)	88 (15)	38 (23)	36 (2)
10Y2158	SWX	10400 (5)	21.5 (9)	5.0 (1)	92 (27)	8 (15)	38 (18)
10Y2049	SPQ	10330 (6)	20.5 (20)	5.0 (1)	88 (20)	46 (25)	36 (3)
M202	M	10330 (7)	21.3 (10)	5.0 (1)	94 (30)	1 (1)	37 (6)
09Y3538	M	10000 (8)	21.1 (11)	5.0 (1)	88 (15)	65 (27)	38 (13)
09Y2063	SWX	9970 (9)	20.8 (13)	5.0 (1)	90 (22)	13 (16)	39 (28)
09Y3059	M	9910 (10)	19.8 (25)	5.0 (1)	88 (15)	6 (12)	39 (22)
09Y3225	M	9780 (11)	22.6 (3)	5.0 (1)	91 (23)	40 (24)	38 (13)
10Y3286	M	9660 (12)	20.7 (14)	5.0 (1)	86 (8)	6 (12)	37 (6)
10Y3227	M	9560 (13)	22.3 (5)	5.0 (1)	85 (5)	85 (29)	38 (13)
10Y3282	M	9510 (14)	22.1 (6)	5.0 (1)	85 (6)	85 (29)	39 (21)
10Y3305	M	9460 (15)	20.5 (19)	5.0 (1)	84 (3)	1 (1)	37 (9)
10Y1008	LSR	9430 (16)	19.4 (28)	5.0 (1)	92 (27)	48 (26)	38 (16)
09Y3273	M	9370 (17)	20.5 (16)	5.0 (1)	87 (13)	31 (20)	38 (20)
09Y3176	M	9280 (18)	20.1 (23)	5.0 (1)	87 (13)	21 (17)	38 (16)
10Y2123	MPQ	9260 (19)	21.6 (7)	5.0 (1)	91 (23)	26 (18)	41 (30)
09Y3270	M	9250 (20)	23.5 (2)	5.0 (1)	84 (3)	33 (21)	39 (27)
09Y3272	M	9250 (21)	20.5 (16)	5.0 (1)	85 (6)	3 (11)	41 (31)
10Y3261	M	9200 (22)	20.5 (16)	5.0 (1)	88 (15)	1 (1)	40 (29)
09Y3048	M	9180 (23)	20.4 (21)	5.0 (1)	82 (1)	65 (27)	37 (5)
09Y3268	M	8920 (24)	20.2 (22)	5.0 (1)	87 (11)	1 (1)	37 (10)
09Y3277	M	8830 (25)	23.6 (1)	5.0 (1)	88 (15)	85 (29)	38 (18)
10Y2031	SLA	8710 (26)	17.9 (31)	5.0 (1)	88 (20)	1 (1)	37 (10)
09Y3256	M	8510 (27)	21.5 (8)	5.0 (1)	92 (27)	1 (1)	39 (22)
06Y513	L	8440 (28)	18.5 (30)	5.0 (1)	95 (31)	1 (1)	36 (1)
10Y2115	SLA	8380 (29)	18.7 (29)	5.0 (1)	91 (25)	1 (1)	39 (25)
09Y2060	SWX	7910 (30)	17.5 (32)	5.0 (1)	87 (11)	6 (12)	39 (22)
09Y3078	M	7850 (31)	21.1 (11)	5.0 (1)	84 (2)	36 (22)	39 (25)
AKITA	SPQ	4570 (32)	22.5 (4)	4.5 (32)	86 (8)	93 (32)	38 (12)
MEAN		9310	20.7	5	88	27	38
CV		8.7	4.8		1.1	89.2	2.9
LSD (.05)		1650	2		2	49	2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stem rot resistant; LA = Low Amalose.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 6. 2011 Very Early Rice Variety Trial - Yolo

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
09Y2141	SWX	11580 (1)	21.2 (5)	5.0 (1)	91 (14)	1 (1)	44 (18)
06Y575	LR	11360 (2)	18.5 (12)	4.8 (13)	94 (17)	1 (1)	44 (17)
08Y2049	SSR	10500 (3)	19.9 (7)	4.8 (15)	90 (11)	1 (1)	40 (8)
08Y3076	M	10460 (4)	20.9 (6)	5.0 (9)	92 (15)	2 (16)	40 (13)
04Y177	SPQ	10440 (5)	18.1 (13)	4.7 (17)	88 (10)	50 (17)	40 (8)
09Y2036	S	10380 (6)	19.8 (8)	4.8 (15)	90 (13)	1 (1)	41 (16)
M105	M	10290 (7)	21.8 (3)	4.9 (12)	87 (6)	1 (1)	41 (14)
07Y843	M	10250 (8)	22.4 (1)	4.9 (11)	87 (7)	1 (1)	41 (14)
M206	M	10230 (9)	21.9 (2)	5.0 (1)	87 (8)	1 (1)	40 (11)
09Y1079	L	10060 (10)	17.8 (14)	5.0 (1)	96 (18)	1 (1)	38 (2)
M104	M	10020 (11)	18.8 (10)	5.0 (1)	84 (2)	1 (1)	39 (5)
CH201	SPQ	9910 (12)	16.5 (16)	5.0 (9)	90 (12)	50 (18)	39 (6)
08Y3016	M	9840 (13)	18.6 (11)	4.5 (18)	84 (2)	1 (1)	38 (3)
08Y3080	M	9630 (14)	19.0 (9)	5.0 (1)	84 (2)	1 (1)	40 (12)
09Y3024	M	9570 (15)	21.3 (4)	4.8 (13)	88 (9)	1 (1)	39 (4)
L206	L	9490 (16)	16.9 (15)	5.0 (1)	93 (16)	1 (1)	36 (1)
S102	S	9050 (17)	15.1 (18)	5.0 (1)	84 (1)	1 (1)	39 (7)
CM101	SWX	8320 (18)	15.8 (17)	5.0 (1)	86 (5)	1 (1)	40 (10)
MEAN		10080	19.1	4.9	88	6	40
CV		4.5	3.5	6.1	1.5	190.8	3.8
LSD (.05)		650	1		2	18	2
<i>Preliminary Lines and Varieties</i>							
10Y2043	S	11660 (1)	17.8 (23)	4.9 (14)	94 (28)	1 (1)	40 (12)
09Y3225	M	10820 (2)	18.6 (14)	5.0 (1)	87 (16)	1 (1)	43 (28)
10Y3286	M	10700 (3)	19.3 (9)	4.4 (29)	87 (16)	1 (1)	39 (7)
10Y3290	M	10560 (4)	19.2 (10)	4.9 (16)	91 (24)	1 (1)	40 (13)
10Y3282	M	10450 (5)	18.7 (13)	5.0 (1)	83 (3)	5 (28)	40 (13)
09Y3268	M	10280 (6)	19.7 (7)	4.9 (16)	90 (22)	1 (1)	43 (28)
10Y3261	M	10270 (7)	20.5 (3)	4.9 (16)	89 (20)	1 (1)	42 (23)
09Y3059	M	10260 (8)	19.5 (8)	5.0 (1)	89 (20)	1 (1)	39 (4)
10Y2049	SPQ	10260 (9)	17.6 (25)	5.0 (1)	84 (5)	1 (1)	37 (2)
09Y3078	M	10240 (10)	18.9 (12)	4.5 (26)	85 (13)	1 (1)	43 (30)
09Y3176	M	10190 (11)	18.0 (22)	4.8 (22)	85 (8)	1 (1)	39 (7)
09Y3538	M	10160 (12)	19.1 (11)	4.9 (14)	87 (15)	1 (1)	39 (7)
10Y2031	SLA	10140 (13)	14.4 (32)	5.0 (1)	83 (3)	8 (29)	38 (3)
10Y2158	SWX	10140 (14)	20.6 (2)	4.5 (26)	94 (30)	1 (1)	40 (13)
10Y2123	MPQ	10070 (15)	20.5 (4)	4.3 (31)	92 (26)	65 (31)	42 (26)
09Y2063	SWX	10050 (16)	18.4 (17)	4.9 (16)	89 (19)	1 (1)	41 (19)
09Y3272	M	10000 (17)	18.3 (20)	5.0 (1)	85 (8)	1 (1)	39 (7)
09Y3043	M	9980 (18)	17.8 (23)	4.8 (22)	85 (8)	1 (1)	41 (16)
09Y3277	M	9890 (19)	18.5 (15)	5.0 (1)	84 (6)	1 (1)	39 (4)
10Y1008	LSR	9890 (20)	17.5 (26)	4.9 (16)	94 (28)	1 (1)	41 (16)
09Y3273	M	9870 (21)	18.5 (15)	5.0 (1)	85 (8)	1 (1)	42 (23)
09Y3048	M	9810 (22)	18.2 (21)	5.0 (1)	81 (2)	1 (1)	41 (19)
09Y3270	M	9800 (23)	18.4 (19)	5.0 (1)	84 (6)	1 (1)	41 (16)
10Y1178	L	9740 (24)	20.0 (6)	3.5 (32)	101 (32)	1 (1)	42 (26)
M202	M	9590 (25)	20.2 (5)	5.0 (1)	90 (22)	1 (1)	43 (30)
10Y3227	M	9540 (26)	18.4 (17)	5.0 (1)	85 (13)	1 (1)	41 (19)
10Y2115	SLA	9520 (27)	15.1 (31)	4.8 (22)	85 (8)	8 (29)	39 (4)
09Y3256	M	9300 (28)	20.9 (1)	4.5 (26)	88 (18)	1 (1)	42 (23)
06Y513	L	8930 (29)	16.2 (30)	4.8 (22)	97 (31)	1 (1)	39 (7)
10Y3305	M	8840 (30)	17.1 (28)	5.0 (1)	80 (1)	1 (1)	36 (1)
09Y2060	SWX	8440 (31)	16.5 (29)	4.9 (16)	92 (26)	1 (1)	41 (19)
AKITA	SPQ	7050 (32)	17.1 (27)	4.4 (30)	91 (25)	95 (32)	44 (32)
MEAN		9890	18.4	4.8	88	7	40
CV		3.5	3.8	6	2.2	102.5	2.7
LSD (.05)		710	1.4	0.6	4	14	2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stem rot resistant; LA = Low Amalose.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 7. 2011 Very Early Rice Variety Trial - San Joaquin

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	9830 (1)	19.4 (6)	5.0 (1)	109 (16)	1 (1)	37 (18)
09Y2141	SWX	9580 (2)	19.8 (3)	5.0 (1)	107 (14)	1 (1)	36 (17)
M206	M	9330 (3)	19.4 (7)	5.0 (1)	105 (10)	1 (1)	35 (15)
08Y3076	M	9330 (4)	20.4 (2)	5.0 (1)	107 (13)	1 (1)	35 (13)
08Y3016	M	9150 (5)	19.2 (8)	5.0 (1)	100 (2)	1 (1)	32 (6)
08Y3080	M	9100 (6)	18.1 (12)	5.0 (1)	104 (8)	1 (1)	36 (16)
09Y2036	S	8970 (7)	18.1 (13)	5.0 (1)	104 (8)	1 (1)	35 (14)
07Y843	M	8960 (8)	20.8 (1)	5.0 (1)	101 (4)	1 (1)	33 (9)
M104	M	8800 (9)	18.4 (10)	5.0 (1)	98 (1)	1 (1)	33 (7)
08Y2049	SSR	8800 (10)	19.7 (4)	5.0 (1)	101 (5)	1 (1)	31 (1)
M105	M	8720 (11)	18.0 (14)	5.0 (1)	100 (2)	1 (1)	34 (12)
09Y1079	L	8560 (12)	19.6 (5)	5.0 (1)	110 (17)	1 (1)	32 (4)
09Y3024	M	8550 (13)	18.5 (9)	5.0 (1)	103 (7)	1 (1)	33 (9)
CH201	SPQ	8360 (14)	15.4 (17)	5.0 (1)	109 (15)	1 (1)	31 (3)
L206	L	8340 (15)	15.6 (15)	5.0 (1)	107 (12)	1 (1)	31 (2)
CM101	SWX	7850 (16)	15.5 (16)	4.6 (17)	105 (10)	1 (1)	33 (8)
S102	S	7760 (17)	15.4 (18)	5.0 (1)	102 (6)	1 (1)	33 (9)
04Y177	SPQ	7720 (18)	18.3 (11)	3.8 (18)	110 (18)	1 (1)	32 (5)
MEAN		8760	18.3	4.9	105	1	33
CV		4.6	6.7	2.3	2.6		3.2
LSD (.05)		580	1.7	0.2	4		1

*Preliminary Lines and Varieties*

09Y2063	SWX	9540 (1)	17.5 (17)	5.0 (1)	106 (21)	1 (1)	35 (17)
09Y3059	M	9390 (2)	17.3 (19)	5.0 (1)	102 (8)	1 (1)	35 (16)
09Y3078	M	9390 (3)	16.7 (24)	5.0 (1)	99 (3)	1 (1)	34 (12)
10Y3282	M	9390 (4)	16.5 (27)	5.0 (1)	99 (3)	1 (1)	33 (4)
09Y3277	M	9340 (5)	20.2 (5)	5.0 (1)	104 (14)	1 (1)	33 (8)
10Y2158	SWX	9320 (6)	20.6 (2)	5.0 (1)	112 (30)	1 (1)	36 (22)
09Y3272	M	9250 (7)	18.3 (14)	5.0 (1)	104 (14)	1 (1)	37 (32)
M202	M	9090 (8)	18.8 (9)	5.0 (1)	109 (26)	1 (1)	36 (25)
09Y3268	M	8990 (9)	16.9 (23)	5.0 (1)	102 (8)	1 (1)	33 (6)
10Y3286	M	8980 (10)	18.6 (11)	5.0 (1)	105 (17)	1 (1)	34 (14)
09Y3176	M	8970 (11)	18.4 (12)	5.0 (1)	102 (8)	1 (1)	33 (4)
09Y3538	M	8960 (12)	19.1 (8)	5.0 (1)	103 (12)	1 (1)	34 (13)
10Y3290	M	8940 (13)	18.0 (16)	5.0 (1)	106 (20)	1 (1)	36 (23)
09Y3043	M	8840 (14)	16.6 (26)	5.0 (1)	101 (6)	1 (1)	37 (30)
10Y1178	L	8800 (15)	20.5 (4)	5.0 (1)	118 (32)	1 (1)	35 (19)
09Y3225	M	8730 (16)	19.5 (6)	5.0 (1)	107 (23)	1 (1)	36 (26)
10Y1008	LSR	8670 (17)	18.4 (13)	5.0 (1)	110 (28)	1 (1)	35 (19)
09Y3270	M	8620 (18)	16.7 (25)	5.0 (1)	98 (1)	1 (1)	36 (23)
10Y3227	M	8610 (19)	20.6 (3)	5.0 (1)	102 (8)	1 (1)	34 (14)
10Y2049	SPQ	8610 (20)	18.1 (15)	4.5 (29)	106 (21)	1 (1)	33 (6)
10Y3261	M	8580 (21)	18.7 (10)	5.0 (1)	104 (14)	1 (1)	36 (28)
06Y513	L	8530 (22)	16.4 (28)	5.0 (1)	112 (31)	1 (1)	33 (8)
09Y3273	M	8530 (23)	17.0 (22)	5.0 (1)	101 (6)	1 (1)	37 (30)
10Y2115	SLA	8480 (24)	14.9 (30)	5.0 (1)	105 (17)	1 (1)	35 (17)
10Y2123	MPQ	8320 (25)	22.6 (1)	4.5 (29)	111 (29)	1 (1)	36 (26)
10Y2043	S	8260 (26)	17.5 (18)	4.5 (29)	107 (23)	1 (1)	32 (3)
09Y3256	M	8230 (27)	17.3 (19)	5.0 (1)	105 (17)	1 (1)	35 (19)
09Y2060	SWX	8150 (28)	14.6 (31)	5.0 (1)	108 (25)	1 (1)	34 (10)
09Y3048	M	8130 (29)	16.1 (29)	5.0 (1)	99 (2)	1 (1)	34 (10)
10Y2031	SLA	8060 (30)	14.4 (32)	5.0 (1)	103 (13)	1 (1)	31 (1)
10Y3305	M	8030 (31)	17.1 (21)	5.0 (1)	99 (3)	1 (1)	32 (2)
AKITA	SPQ	4820 (32)	19.1 (7)	3.0 (32)	110 (27)	1 (1)	36 (28)
MEAN		8640	17.9	4.9	105	1	35
CV		4.5	6.3	3.6	1.8		3.6
LSD (.05)		800	2.3	0.4	4		3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stem rot resistant; LA = Low Amalose.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 8. Grain Yield (lb/acre @14% moisture) Summary of Very Early Rice Varieties by Location and Year (2007-2011)

Location	Year	M-104	M-202	M-206	Calmochi			
					101	S-102	L-205	L-206
Biggs (RES)	2007	<b>8930</b>	10250	11030	6740	10730	9550	10360
	2008	<b>10000</b>	10170	10900	9960	10240	10010	11180
	2009	<b>7180</b>	8080	8940	7640	8230	9430	9710
	2010	-	10470	11290	9470	9380	10140	10200
	2011	<b>8570</b>	6300	8860	7990	8780	-	8290
Location Mean		<b>8670</b>	9054	10204	8360	9472	9783	9948
Sutter	2007	<b>10680</b>	10740	11250	11140	11100	10000	10440
	2008	<b>10100</b>	9540	9800	10010	10190	9490	9840
	2009	<b>10040</b>	9070	9390	7870	8480	9070	10160
	2010	<b>8270</b>	6520	7890	9500	9360	7450	8050
	2011	<b>10300</b>	10330	9350	7410	8440	-	9520
Location Mean		<b>9878</b>	9240	9536	9186	9514	9003	9602
Yolo	2007	<b>7510</b>	7220	7350	7500	7140	7010	7520
	2008	<b>9930</b>	10140	10480	9830	10340	9590	10210
	2009	<b>11770</b>	11400	12570	10760	11930	11220	10880
	2010	<b>8050</b>	7890	8210	7190	7520	7390	8230
	2011	<b>10020</b>	9590	10230	9320	9050	-	9490
Location Mean		<b>9456</b>	9248	9768	8920	9196	8803	9266
San Joaquin	2007	<b>9050</b>	<b>6130</b>	<b>9380</b>	<b>9650</b>	<b>10340</b>	<b>7430</b>	<b>9850</b>
	2008	<b>9780</b>	7770	9360	9470	10000	7580	8160
	2009	<b>8530</b>	8720	8440	7650	7480	6970	8120
	2010	<b>8360</b>	7760	7560	8070	7950	5970	8170
	2011	<b>8800</b>	9090	9330	7850	7760	-	8340
Location Mean		<b>8904</b>	7894	8814	8538	8706	6988	8528
Loc/Years Mean		<b>9256</b>	8859	9581	8751	9222	8644	9336
Yield % M-104		<b>100.0</b>	<b>95.7</b>	<b>103.5</b>	<b>94.5</b>	<b>99.6</b>	<b>93.4</b>	<b>100.9</b>
Number of Tests		<b>19</b>	20	20	20	20	16	20

Table 9. 2011 Early Rice Variety Tests - Four Location Advanced and Three Location Preliminary Summary

*Advanced Lines and Varieties*

Variety	Grain Type	Ave Grain Yield at 14% Moisture	Single Location Yields				Ave Grain Moisture at Harvest	Seedling Vigor	Days to 50% Heading	Lodging	Plant Height
		lbs/acre	Biggs	Butte	Colusa	Yuba	(%)	(1-5)	(1-99)	(in)	
09Y1122	L	<b>10400 (1)</b>	10610 (5)	10300 (1)	9930 (7)	10770 (2)	17.7 (14)	4.9 (13)	95 (11)	1 (1)	39 (4)
09Y2179	S	<b>10360 (2)</b>	10960 (2)	8980 (7)	10700 (1)	10800 (1)	19.1 (9)	4.9 (9)	93 (9)	1 (4)	42 (15)
08Y3269	M	<b>10210 (3)</b>	10870 (3)	9520 (3)	10210 (5)	10260 (5)	20.7 (5)	5.0 (7)	96 (12)	1 (1)	41 (12)
09Y2141	SWX	<b>10110 (4)</b>	11430 (1)	10280 (2)	8000 (13)	10740 (3)	20.7 (4)	4.9 (10)	91 (6)	29 (13)	43 (17)
06Y575	LR	<b>9940 (5)</b>	10100 (10)	8760 (9)	10560 (2)	10320 (4)	18.4 (10)	4.9 (8)	99 (16)	2 (7)	43 (16)
M208	M	<b>9820 (6)</b>	10240 (8)	9350 (4)	10240 (4)	9450 (10)	20.4 (7)	5.0 (2)	94 (10)	1 (4)	42 (13)
M205	M	<b>9810 (7)</b>	10610 (4)	8860 (8)	9760 (8)	10000 (8)	21.3 (1)	4.9 (11)	98 (15)	1 (4)	40 (8)
L206	L	<b>9790 (8)</b>	10020 (12)	9330 (5)	9660 (10)	10160 (7)	17.0 (17)	4.9 (12)	91 (5)	11 (9)	38 (1)
08Y3126	M	<b>9760 (9)</b>	10470 (6)	9230 (6)	9730 (9)	9630 (9)	20.5 (6)	5.0 (6)	90 (4)	10 (8)	42 (14)
M206	M	<b>9680 (10)</b>	10050 (11)	8520 (10)	9960 (6)	10190 (6)	21.0 (2)	5.0 (2)	90 (3)	20 (11)	41 (11)
10Y1025	L	<b>9480 (11)</b>	9880 (13)	8480 (12)	10370 (3)	9190 (13)	18.2 (12)	4.9 (15)	97 (14)	1 (1)	39 (5)
09Y2159	SLA	<b>9160 (12)</b>	10310 (7)	8490 (11)	9060 (12)	8800 (14)	18.4 (11)	4.8 (17)	99 (17)	19 (10)	40 (7)
M202	M	<b>9120 (13)</b>	9660 (15)	8180 (14)	9350 (11)	9300 (12)	20.9 (3)	5.0 (5)	92 (8)	27 (12)	40 (9)
S102	S	<b>8670 (14)</b>	10230 (9)	8280 (13)	7420 (14)	8740 (15)	17.0 (16)	5.0 (1)	87 (1)	45 (14)	41 (10)
04Y177	SPQ	<b>8540 (15)</b>	9840 (14)	7960 (16)	6950 (15)	9420 (11)	19.6 (8)	4.8 (16)	92 (7)	49 (16)	38 (3)
CH201	SPQ	<b>7780 (16)</b>	9210 (16)	8060 (15)	6040 (17)	7800 (16)	17.7 (15)	5.0 (4)	97 (13)	49 (15)	38 (2)
CM101	SWX	<b>7630 (17)</b>	8980 (17)	7680 (17)	6510 (16)	7370 (17)	18.2 (13)	4.9 (14)	90 (2)	49 (16)	40 (6)
MEAN		<b>9430</b>	10200	8840	9090	9590	19.2	4.9	94	19	40
CV		<b>6.5</b>	3.4	6.6	9.3	6.0	5	2.7	1.5	77.7	3.8
LSD (.05)		<b>430</b>	490	830	1200	820	0.7	0.1	1	10	1

*Preliminary Lines and Varieties (three location summary)*

Variety	Grain Type	Ave Grain Yield at 14% Moisture	Single Location Yields			Ave Grain Moisture at Harvest	Seedling Vigor	Days to 50% Heading	Lodging	Plant Height
		lbs/acre	Butte	Colusa	Yuba	(%)	(1-5)	(1-99)	(in)	
09Y3805	M	<b>9710 (1)</b>	8700 (13)	10410 (3)	10010 (10)	22.3 (5)	5.0 (1)	95 (17)	3 (25)	42 (32)
08Y3239	M	<b>9700 (2)</b>	8570 (17)	10530 (1)	10000 (11)	19.5 (25)	5.0 (1)	93 (9)	1 (1)	38 (6)
09Y3517	M	<b>9640 (3)</b>	9140 (5)	9600 (10)	10170 (5)	20.5 (19)	5.0 (1)	92 (5)	2 (23)	42 (33)
09Y3912	M	<b>9580 (4)</b>	9210 (3)	9640 (9)	9880 (13)	20.9 (14)	5.0 (1)	99 (30)	1 (1)	41 (29)
09Y3708	M	<b>9550 (5)</b>	9060 (6)	9900 (6)	9700 (15)	23.0 (2)	5.0 (1)	102 (35)	1 (1)	39 (13)
10Y1059	LJ	<b>9480 (6)</b>	8590 (16)	9640 (8)	10200 (4)	18.4 (28)	5.0 (1)	95 (15)	1 (1)	40 (21)
09Y1067	LIM	<b>9440 (7)</b>	8320 (23)	10520 (2)	9480 (18)	17.5 (35)	5.0 (1)	95 (14)	1 (1)	42 (34)
09Y3665	M	<b>9420 (8)</b>	9010 (7)	8610 (20)	10640 (1)	21.3 (11)	5.0 (1)	97 (23)	2 (23)	39 (11)
10Y2094	MPQ	<b>9410 (9)</b>	9160 (4)	8950 (16)	10130 (6)	20.8 (16)	5.0 (1)	94 (10)	30 (30)	41 (25)
09Y3605	M	<b>9380 (10)</b>	8860 (9)	9180 (13)	10110 (7)	21.5 (10)	5.0 (1)	102 (37)	1 (1)	39 (16)
09Y3523	M	<b>9380 (11)</b>	8510 (20)	9180 (14)	10440 (3)	20.9 (13)	5.0 (1)	88 (1)	10 (27)	39 (15)
09Y3580	M	<b>9350 (12)</b>	8330 (21)	10040 (4)	9700 (16)	22.3 (4)	4.9 (31)	95 (19)	3 (25)	40 (19)
09Y3671	M	<b>9330 (13)</b>	8750 (11)	9160 (15)	10060 (9)	21.7 (8)	5.0 (1)	99 (30)	1 (1)	39 (17)
10Y1067	LJ	<b>9270 (14)</b>	8560 (18)	9320 (12)	9940 (12)	16.7 (37)	5.0 (1)	92 (6)	1 (1)	37 (2)
09Y3600	M	<b>9260 (15)</b>	8660 (14)	8660 (18)	10470 (2)	19.8 (21)	5.0 (1)	99 (28)	1 (1)	40 (20)
09Y1079	L	<b>9250 (16)</b>	8770 (10)	9950 (5)	9040 (22)	19.6 (23)	5.0 (1)	99 (29)	1 (1)	39 (12)
09Y2184	S	<b>9090 (17)</b>	8330 (22)	8860 (17)	10100 (8)	21.9 (6)	5.0 (1)	102 (34)	1 (1)	39 (14)
10Y1162	L	<b>9000 (18)</b>	8520 (19)	9410 (11)	9070 (21)	18.0 (31)	5.0 (1)	96 (22)	1 (1)	38 (6)
10Y1038	L	<b>8970 (19)</b>	8610 (15)	9700 (7)	8590 (25)	17.7 (32)	5.0 (1)	96 (20)	1 (1)	41 (30)
09Y3886	M	<b>8960 (20)</b>	9920 (1)	7460 (31)	9500 (17)	20.8 (18)	5.0 (1)	98 (25)	1 (1)	41 (26)
M105	M	<b>8880 (21)</b>	9270 (2)	7580 (30)	9800 (14)	21.3 (12)	5.0 (1)	89 (2)	38 (31)	41 (28)
10Y2086	MPQ	<b>8470 (22)</b>	8010 (26)	8250 (24)	9150 (20)	20.8 (15)	4.9 (31)	95 (13)	42 (32)	41 (24)
09Y3005	M	<b>8450 (23)</b>	8040 (24)	8290 (23)	9020 (23)	20.8 (17)	5.0 (1)	90 (4)	25 (29)	41 (27)
09Y2171	M	<b>8280 (24)</b>	7720 (31)	8650 (19)	8470 (26)	21.8 (7)	5.0 (29)	94 (12)	66 (35)	40 (22)
10Y2046	SPQ	<b>8240 (25)</b>	6760 (35)	8560 (21)	9400 (19)	19.1 (26)	5.0 (1)	97 (24)	43 (33)	39 (17)
10Y2082	MPQ	<b>8110 (26)</b>	8950 (8)	6710 (33)	8650 (24)	21.6 (9)	5.0 (1)	92 (8)	72 (37)	41 (23)
10Y2126	MPQ	<b>7960 (27)</b>	7590 (32)	8420 (22)	7870 (27)	23.1 (1)	5.0 (1)	95 (15)	50 (34)	43 (37)
A201	LA	<b>7910 (28)</b>	7860 (29)	8180 (25)	7680 (29)	19.0 (27)	4.7 (37)	104 (38)	1 (1)	41 (31)
10Y1149	LA	<b>7860 (29)</b>	7940 (27)	8110 (26)	7520 (31)	18.4 (29)	5.0 (1)	96 (21)	1 (1)	38 (8)
10Y150	LJ	<b>7850 (30)</b>	7730 (30)	8040 (27)	7770 (28)	17.6 (33)	5.0 (1)	94 (10)	1 (1)	38 (10)
10Y2093	MPQ	<b>7340 (31)</b>	7490 (33)	6940 (32)	7600 (30)	22.4 (3)	5.0 (1)	92 (7)	66 (35)	42 (35)
08Y1115	LA	<b>7330 (32)</b>	7900 (28)	7800 (28)	6300 (34)	18.0 (30)	4.8 (36)	100 (33)	1 (1)	36 (1)
10Y151	LB	<b>7320 (33)</b>	7400 (34)	7630 (29)	6910 (33)	19.7 (22)	5.0 (30)	100 (32)	1 (1)	38 (4)
10P1433	LB	<b>6870 (34)</b>	8740 (12)	5830 (34)	6040 (35)	19.5 (24)	4.9 (31)	98 (25)	11 (28)	44 (38)
CT202	LB	<b>6420 (35)</b>	8020 (25)	5210 (35)	6030 (36)	17.6 (34)	4.9 (31)	102 (36)	1 (1)	37 (3)
AKITA	SPQ	<b>5990 (36)</b>	6410 (36)	4580 (37)	6970 (32)	20.5 (20)	4.6 (38)	89 (3)	93 (38)	43 (36)
10P1597	LB	<b>5360 (37)</b>	6250 (37)	4520 (38)	5290 (37)	17.0 (36)	5.0 (1)	98 (27)	1 (1)	38 (5)
10Y153	LB	<b>4920 (38)</b>	5090 (38)	4770 (36)	4910 (38)	15.9 (38)	4.9 (35)	95 (17)	1 (1)	38 (9)
MEAN		<b>8440</b>	8230	8340	8750	20.0	5.0	96	15	40
CV		<b>6.8</b>	6.9	8.2	5	6.4	2.5	1.4	97.3	3.5
LSD (.05)		<b>650</b>	1150	1380	890	1.5	0.1	2	17	2

S = short; M = medium; L = long; PQ = premium quality; LA=low amalose; J=Jasmine; A = aromatic; B=Basmati; WX = waxy; R = Newrex, SR=stem rot resistant; IM=IMMI herbicide resistant.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

\* The Biggs preliminary summary was excluded from the overall summary due to an exceedingly high yield cv.

Table 10. 2011 Early Rice Variety Trial - Biggs

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
09Y2141	SWX	11430 (1)	16.1 (10)	4.7 (13)	91 (10)	1 (1)	44 (17)
09Y2179	S	10960 (2)	15.9 (14)	4.7 (14)	87 (2)	1 (1)	41 (14)
08Y3269	M	10870 (3)	17.2 (4)	4.8 (8)	93 (11)	1 (1)	40 (9)
M205	M	10610 (4)	17.2 (6)	4.7 (15)	93 (13)	1 (1)	40 (6)
09Y1122	L	10610 (5)	16.3 (9)	4.8 (11)	93 (11)	1 (1)	38 (3)
08Y3126	M	10470 (6)	17.2 (5)	4.8 (6)	88 (5)	1 (1)	42 (15)
09Y2159	SLA	10310 (7)	15.7 (16)	4.8 (7)	95 (15)	1 (1)	40 (8)
M208	M	10240 (8)	17.0 (7)	4.9 (2)	89 (7)	1 (1)	42 (16)
S102	S	10230 (9)	14.9 (17)	5.0 (1)	84 (1)	1 (1)	40 (10)
06Y575	LR	10100 (10)	17.0 (8)	4.8 (11)	98 (17)	1 (1)	41 (13)
M206	M	10050 (11)	17.6 (1)	4.9 (2)	88 (3)	1 (1)	41 (12)
L206	L	10020 (12)	16.0 (12)	4.6 (17)	88 (5)	1 (1)	39 (4)
10Y1025	L	9880 (13)	17.5 (2)	4.7 (15)	96 (16)	1 (1)	40 (7)
04Y177	SPQ	9840 (14)	15.9 (13)	4.8 (10)	90 (8)	1 (1)	37 (1)
M202	M	9660 (15)	17.5 (3)	4.9 (5)	90 (8)	1 (1)	41 (11)
CH201	SPQ	9210 (16)	16.0 (11)	4.9 (4)	94 (14)	1 (1)	38 (2)
CM101	SWX	8980 (17)	15.9 (15)	4.8 (8)	88 (3)	1 (1)	40 (5)
MEAN		10200	16.5	4.8	91	1	40
CV		3.4	4.3	2.2	1.2		4.2
LSD (.05)		490	1	0.2	2		2

*Preliminary Lines and Varieties*

09Y2184	S	10140 (1)	16.5 (18)	4.7 (27)	94 (28)	1 (1)	35 (3)
09Y3805	M	10100 (2)	17.1 (8)	4.9 (8)	90 (10)	1 (1)	42 (32)
09Y3665	M	9850 (3)	17.9 (1)	4.7 (22)	92 (19)	1 (1)	37 (7)
10Y2046	SPQ	9630 (4)	15.8 (24)	4.7 (22)	93 (24)	1 (1)	39 (14)
09Y3517	M	9600 (5)	17.9 (2)	3.7 (37)	90 (13)	1 (1)	43 (33)
M105	M	9490 (6)	16.7 (17)	4.8 (17)	86 (1)	1 (1)	39 (18)
09Y1067	LIM	9350 (7)	16.1 (23)	4.8 (15)	93 (25)	1 (1)	41 (29)
09Y3600	M	9340 (8)	17.7 (3)	4.7 (22)	94 (32)	1 (1)	38 (12)
09Y3671	M	8410 (9)	16.9 (13)	4.8 (17)	92 (20)	1 (1)	40 (21)
09Y2171	M	8320 (10)	17.1 (9)	4.8 (13)	88 (5)	1 (1)	41 (30)
08Y3239	M	8280 (11)	16.1 (22)	4.8 (17)	86 (1)	1 (1)	37 (7)
09Y3912	M	8070 (12)	16.4 (19)	4.9 (8)	92 (20)	1 (1)	39 (14)
10Y1067	LJ	7840 (13)	15.2 (29)	4.6 (30)	88 (4)	1 (1)	34 (1)
09Y3708	M	7800 (14)	17.0 (10)	4.7 (22)	95 (34)	1 (1)	39 (14)
10Y2094	MPQ	7780 (15)	16.9 (12)	4.8 (17)	90 (13)	1 (1)	44 (36)
09Y3580	M	7780 (16)	17.7 (3)	4.9 (5)	91 (17)	1 (1)	41 (26)
10Y2126	MPQ	7700 (17)	16.7 (16)	5.0 (1)	90 (13)	1 (1)	44 (37)
09Y3886	M	7670 (18)	16.4 (20)	4.9 (5)	90 (13)	1 (1)	41 (23)
10Y2086	MPQ	7600 (19)	16.7 (15)	5.0 (1)	90 (10)	1 (1)	43 (34)
09Y3605	M	7550 (20)	17.2 (6)	4.8 (13)	95 (34)	1 (1)	39 (18)
09Y3005	M	7500 (21)	16.8 (14)	5.0 (1)	86 (1)	1 (1)	39 (18)
09Y3523	M	7400 (22)	17.2 (6)	3.9 (35)	89 (8)	1 (1)	38 (10)
10Y2082	MPQ	7330 (23)	17.0 (11)	4.9 (8)	88 (5)	1 (1)	43 (35)
10Y1059	LJ	7300 (24)	15.1 (31)	4.8 (11)	91 (18)	1 (1)	40 (21)
10Y2093	MPQ	7300 (24)	17.4 (5)	4.8 (17)	89 (8)	1 (1)	47 (38)
AKITA	SPQ	7010 (26)	15.8 (25)	3.6 (38)	88 (5)	1 (1)	41 (25)
09Y1079	L	6930 (27)	15.2 (30)	4.9 (4)	93 (26)	1 (1)	41 (23)
10Y1162	L	6870 (28)	15.5 (27)	4.6 (29)	94 (28)	1 (1)	39 (13)
10Y1038	L	6770 (29)	15.5 (28)	4.6 (31)	92 (23)	1 (1)	41 (26)
10Y151	LB	6480 (30)	14.9 (34)	4.8 (16)	95 (36)	1 (1)	37 (5)
A201	LA	6470 (31)	15.6 (26)	4.8 (11)	99 (38)	1 (1)	41 (26)
10Y1149	LA	6130 (32)	15.0 (32)	4.5 (33)	93 (26)	1 (1)	35 (3)
10P1433	LB	6020 (33)	16.3 (21)	3.7 (36)	96 (37)	1 (1)	41 (30)
10Y150	LJ	6020 (34)	15.0 (33)	4.6 (31)	92 (20)	1 (1)	38 (11)
08Y1115	LA	5880 (35)	13.8 (36)	4.7 (26)	94 (30)	1 (1)	37 (7)
CT202	LB	5410 (36)	14.3 (35)	4.7 (27)	94 (33)	1 (1)	39 (14)
10P1597	LB	5160 (37)	12.4 (38)	4.9 (5)	94 (30)	1 (1)	35 (2)
10Y153	LB	4200 (38)	13.2 (37)	4.3 (34)	90 (10)	1 (1)	37 (6)
MEAN		7560	16.1	4.6	91	1	40
CV		14.6	4.3	9.3	1.4		0.9
LSD (.05)		2240	1.4		3		1

S = short; M = medium; L = long; PQ = premium quality; LA=low amalose; J=Jasmine; A = aromatic; B=Basmati;

WX = waxy; R = Newrex, SR=stem rot resistant; IM=IMMI herbicide resistant.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.



Table 11. 2011 Early Rice Variety Trial - Butte

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
09Y1122	L	10300 (1)	21.3 (14)	5.0 (1)	95 (11)	1 (1)	39 (6)
09Y2141	SWX	10280 (2)	25.4 (3)	5.0 (1)	91 (4)	1 (1)	42 (16)
08Y3269	M	9520 (3)	26.0 (2)	5.0 (1)	96 (12)	1 (1)	39 (3)
M208	M	9350 (4)	24.5 (7)	5.0 (1)	92 (6)	1 (1)	40 (11)
L206	L	9330 (5)	20.2 (16)	5.0 (1)	92 (6)	1 (1)	37 (1)
08Y3126	M	9230 (6)	24.1 (8)	5.0 (1)	88 (1)	1 (1)	42 (15)
09Y2179	S	8980 (7)	21.9 (11)	5.0 (1)	92 (10)	1 (1)	42 (14)
M205	M	8860 (8)	27.0 (1)	5.0 (1)	96 (14)	1 (1)	39 (8)
06Y575	LR	8760 (9)	22.5 (9)	5.0 (1)	99 (16)	1 (1)	43 (17)
M206	M	8520 (10)	25.0 (5)	5.0 (1)	89 (3)	1 (1)	40 (11)
09Y2159	SLA	8490 (11)	25.0 (4)	5.0 (1)	100 (17)	1 (1)	39 (5)
10Y1025	L	8480 (12)	21.8 (12)	5.0 (1)	97 (15)	1 (1)	39 (7)
S102	S	8280 (13)	19.7 (17)	5.0 (1)	89 (2)	1 (1)	41 (13)
M202	M	8180 (14)	24.7 (6)	5.0 (1)	91 (5)	1 (1)	40 (9)
CH201	SPQ	8060 (15)	20.6 (15)	5.0 (1)	96 (13)	1 (1)	37 (2)
04Y177	SPQ	7960 (16)	22.4 (10)	4.9 (17)	92 (9)	1 (1)	39 (3)
CM101	SWX	7680 (17)	21.4 (13)	5.0 (1)	92 (8)	1 (1)	40 (10)
MEAN		8840	23.2	5.0	93	1	40
CV		6.6	4	1.2	0.8		2.9
LSD (.05)		830	1.3		1		2

*Preliminary Lines and Varieties*

09Y3886	M	9920 (1)	24.0 (14)	5.0 (1)	95 (19)	1 (1)	38 (8)
M105	M	9270 (2)	21.4 (27)	5.0 (1)	86 (1)	1 (1)	40 (23)
09Y3912	M	9210 (3)	24.4 (11)	5.0 (1)	95 (19)	1 (1)	40 (23)
10Y2094	MPQ	9160 (4)	22.5 (21)	5.0 (1)	92 (9)	1 (1)	41 (30)
09Y3517	M	9140 (5)	21.9 (24)	5.0 (1)	89 (4)	1 (1)	41 (29)
09Y3708	M	9060 (6)	27.2 (1)	5.0 (1)	98 (30)	1 (1)	37 (3)
09Y3665	M	9010 (7)	24.8 (9)	5.0 (1)	95 (19)	1 (1)	38 (6)
10Y2082	MPQ	8950 (8)	22.0 (23)	5.0 (1)	91 (7)	18 (37)	40 (23)
09Y3605	M	8860 (9)	26.0 (5)	5.0 (1)	98 (34)	1 (1)	38 (8)
09Y1079	L	8770 (10)	24.0 (12)	5.0 (1)	98 (30)	1 (1)	38 (8)
09Y3671	M	8750 (11)	26.3 (4)	5.0 (1)	97 (27)	1 (1)	39 (16)
10P1433	LB	8740 (12)	24.0 (13)	5.0 (1)	99 (35)	1 (1)	45 (38)
09Y3805	M	8700 (13)	26.7 (3)	5.0 (1)	92 (9)	1 (1)	42 (34)
09Y3600	M	8660 (14)	22.6 (20)	5.0 (1)	96 (24)	1 (1)	39 (16)
10Y1038	L	8610 (15)	20.9 (29)	5.0 (1)	97 (27)	1 (1)	42 (34)
10Y1059	LJ	8590 (16)	20.8 (31)	5.0 (1)	95 (19)	1 (1)	40 (26)
08Y3239	M	8570 (17)	20.8 (30)	5.0 (1)	89 (4)	1 (1)	36 (1)
10Y1067	LJ	8560 (18)	19.8 (34)	5.0 (1)	92 (8)	1 (1)	37 (3)
10Y1162	L	8520 (19)	21.6 (26)	5.0 (1)	96 (25)	1 (1)	36 (1)
09Y3523	M	8510 (20)	22.6 (19)	5.0 (1)	88 (2)	1 (1)	39 (16)
09Y3580	M	8330 (21)	25.0 (8)	5.0 (1)	93 (14)	1 (1)	39 (13)
09Y2184	S	8330 (22)	27.0 (2)	5.0 (1)	97 (27)	1 (1)	38 (6)
09Y1067	LIM	8320 (23)	20.3 (32)	5.0 (1)	94 (17)	1 (1)	41 (30)
09Y3005	M	8040 (24)	22.1 (22)	5.0 (1)	88 (3)	1 (1)	39 (13)
CT202	LB	8020 (25)	17.6 (36)	5.0 (1)	103 (38)	1 (1)	40 (26)
10Y2086	MPQ	8010 (26)	23.0 (18)	4.8 (36)	92 (9)	1 (1)	40 (26)
10Y1149	LA	7940 (27)	21.4 (28)	5.0 (1)	95 (19)	1 (1)	38 (8)
08Y1115	LA	7900 (28)	20.0 (33)	5.0 (1)	98 (30)	1 (1)	37 (3)
A201	LA	7860 (29)	21.7 (25)	4.4 (38)	102 (37)	1 (1)	42 (36)
10Y150	LJ	7730 (30)	19.8 (35)	5.0 (1)	94 (16)	1 (1)	39 (16)
09Y2171	M	7720 (31)	23.9 (15)	4.9 (35)	92 (9)	1 (1)	39 (16)
10Y2126	MPQ	7590 (32)	25.4 (7)	5.0 (1)	93 (15)	1 (1)	41 (30)
10Y2093	MPQ	7490 (33)	26.0 (6)	5.0 (1)	89 (4)	1 (1)	41 (30)
10Y151	LB	7400 (34)	24.6 (10)	5.0 (1)	99 (35)	1 (1)	39 (16)
10Y2046	SPQ	6760 (35)	23.4 (16)	5.0 (1)	98 (30)	1 (1)	39 (16)
AKITA	SPQ	6410 (36)	23.3 (17)	4.8 (36)	92 (9)	83 (38)	43 (37)
10P1597	LB	6250 (37)	16.6 (37)	5.0 (1)	97 (26)	1 (1)	39 (13)
10Y153	LB	5090 (38)	16.0 (38)	5.0 (1)	95 (18)	1 (1)	38 (8)
MEAN		8230	22.7	5.0	94	4	39
CV		6.9	6.5	1.8	1.2	68.9	3.9
LSD (.05)		1150	3	0.2	2	5	3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; LA=low amaloose; J=Jasmine; R = Newrex;

SR=stem rot resistant; A = aromatic; B=Basmati; IM=IMMI herbicide resistant.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 12. 2011 Early Rice Variety Trial - Colusa

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
09Y2179	S	10700 (1)	16.0 (7)	5.0 (1)	93 (9)	2 (5)	43 (17)
06Y575	LR	10560 (2)	13.3 (15)	5.0 (1)	95 (12)	3 (7)	42 (16)
10Y1025	L	10370 (3)	13.5 (14)	5.0 (1)	94 (11)	1 (1)	38 (5)
M208	M	10240 (4)	16.0 (8)	5.0 (1)	95 (12)	1 (1)	41 (15)
08Y3269	M	10210 (5)	15.8 (9)	5.0 (1)	96 (15)	1 (1)	41 (12)
M206	M	9960 (6)	17.1 (3)	5.0 (1)	89 (3)	71 (12)	39 (6)
09Y1122	L	9930 (7)	12.7 (17)	5.0 (1)	94 (10)	1 (1)	38 (4)
M205	M	9760 (8)	15.2 (12)	4.9 (17)	101 (17)	2 (5)	40 (9)
08Y3126	M	9730 (9)	16.1 (6)	5.0 (1)	89 (6)	12 (8)	41 (13)
L206	L	9660 (10)	13.2 (16)	5.0 (1)	89 (4)	40 (9)	37 (2)
M202	M	9350 (11)	16.5 (4)	5.0 (1)	91 (8)	69 (11)	39 (6)
09Y2159	SLA	9060 (12)	14.1 (13)	5.0 (1)	98 (16)	46 (10)	41 (11)
09Y2141	SWX	8000 (13)	17.3 (2)	5.0 (1)	89 (4)	97 (14)	41 (14)
S102	S	7420 (14)	15.3 (11)	5.0 (1)	85 (1)	94 (13)	40 (10)
04Y177	SPQ	6950 (15)	18.8 (1)	5.0 (1)	90 (7)	99 (16)	36 (1)
CM101	SWX	6510 (16)	16.2 (5)	5.0 (1)	86 (2)	99 (16)	39 (8)
CH201	SPQ	6040 (17)	15.6 (10)	5.0 (1)	96 (14)	97 (14)	38 (3)
MEAN		9090	15.5	5.0	92	43	40
CV		9.3	4.4	0.6	2.6	46.6	4.6
LSD (.05)		1200	1	0	3	29	3

*Preliminary Lines and Varieties*

08Y3239	M	10530 (1)	15.2 (20)	5.0 (1)	90 (5)	1 (1)	36 (7)
09Y1067	LIM	10520 (2)	12.8 (35)	5.0 (1)	92 (11)	1 (1)	40 (30)
09Y3805	M	10410 (3)	15.7 (16)	5.0 (1)	94 (22)	6 (25)	41 (34)
09Y3580	M	10040 (4)	17.0 (6)	5.0 (1)	95 (25)	6 (25)	39 (19)
09Y1079	L	9950 (5)	13.3 (30)	5.0 (1)	94 (22)	1 (1)	38 (11)
09Y3708	M	9900 (6)	16.1 (8)	5.0 (1)	103 (35)	1 (1)	38 (11)
10Y1038	L	9700 (7)	12.9 (34)	5.0 (1)	90 (5)	1 (1)	40 (23)
10Y1059	LJ	9640 (8)	13.3 (31)	5.0 (1)	92 (11)	1 (1)	39 (22)
09Y3912	M	9640 (9)	14.8 (25)	5.0 (1)	100 (34)	1 (1)	41 (31)
09Y3517	M	9600 (10)	15.7 (14)	5.0 (1)	92 (10)	3 (24)	40 (25)
10Y1162	L	9410 (11)	12.9 (33)	5.0 (1)	94 (19)	1 (1)	37 (8)
10Y1067	LJ	9320 (12)	12.0 (38)	5.0 (1)	90 (5)	1 (1)	36 (5)
09Y3605	M	9180 (13)	14.9 (24)	5.0 (1)	103 (35)	1 (1)	38 (16)
09Y3523	M	9180 (14)	16.1 (11)	5.0 (1)	88 (3)	28 (28)	38 (18)
09Y3671	M	9160 (15)	15.3 (19)	5.0 (1)	99 (32)	1 (1)	38 (11)
10Y2094	MPQ	8950 (16)	15.9 (12)	5.0 (1)	93 (14)	25 (27)	39 (20)
09Y2184	S	8860 (17)	15.3 (17)	5.0 (1)	103 (35)	1 (1)	38 (17)
09Y3600	M	8660 (18)	15.1 (22)	5.0 (1)	100 (33)	1 (1)	39 (21)
09Y2171	M	8650 (19)	17.1 (5)	5.0 (1)	94 (19)	99 (34)	40 (29)
09Y3665	M	8610 (20)	14.7 (26)	5.0 (1)	97 (28)	1 (1)	38 (11)
10Y2046	SPQ	8560 (21)	15.7 (15)	5.0 (1)	97 (28)	80 (32)	38 (11)
10Y2126	MPQ	8420 (22)	17.2 (4)	5.0 (1)	93 (14)	99 (34)	43 (37)
09Y3005	M	8290 (23)	15.7 (13)	5.0 (1)	89 (4)	53 (30)	40 (25)
10Y2086	MPQ	8250 (24)	16.6 (7)	5.0 (1)	93 (14)	75 (31)	41 (32)
A201	LA	8180 (25)	14.1 (27)	4.8 (38)	103 (35)	1 (1)	40 (23)
10Y1149	LA	8110 (26)	13.2 (32)	5.0 (1)	93 (14)	1 (1)	37 (10)
10Y150	LJ	8040 (27)	12.4 (37)	5.0 (1)	91 (8)	1 (1)	36 (5)
08Y1115	LA	7800 (28)	12.6 (36)	5.0 (1)	95 (27)	1 (1)	34 (1)
10Y151	LB	7630 (29)	13.8 (29)	5.0 (1)	94 (22)	1 (1)	36 (3)
M105	M	7580 (30)	17.5 (3)	5.0 (1)	87 (2)	97 (33)	40 (25)
09Y3886	M	7460 (31)	14.0 (28)	5.0 (1)	99 (31)	1 (1)	40 (25)
10Y2093	MPQ	6940 (32)	16.1 (10)	5.0 (1)	91 (9)	99 (34)	41 (32)
10Y2082	MPQ	6710 (33)	17.8 (2)	5.0 (1)	92 (11)	99 (34)	41 (34)
10P1433	LB	5830 (34)	15.3 (18)	5.0 (1)	94 (19)	31 (29)	45 (38)
CT202	LB	5210 (35)	16.1 (9)	5.0 (1)	98 (30)	1 (1)	36 (3)
10Y153	LB	4770 (36)	15.0 (23)	5.0 (1)	93 (14)	1 (1)	37 (9)
AKITA	SPQ	4580 (37)	18.8 (1)	5.0 (1)	85 (1)	99 (34)	42 (36)
10P1597	LB	4520 (38)	15.1 (21)	5.0 (1)	95 (25)	1 (1)	35 (2)
MEAN		8340	15.1	5.0	94	24	39
CV		8.2	7.9	1.1	0.8	59.8	3
LSD (.05)		1380	2.4	1	1	29	2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; LA=low amalose; J=Jasmine; R = Newrex;

SR=stem rot resistant; A = aromatic; B=Basmati; IM=IMMI herbicide resistant.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 13. 2011 Early Rice Variety Trial - Yuba

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
09Y2179	S	10800 (1)	22.7 (8)	5.0 (1)	98 (9)	1 (1)	43 (13)
09Y1122	L	10770 (2)	20.8 (11)	4.8 (13)	100 (10)	1 (1)	40 (3)
09Y2141	SWX	10740 (3)	24.0 (6)	4.9 (12)	95 (6)	18 (10)	45 (17)
06Y575	LR	10320 (4)	20.8 (10)	5.0 (1)	103 (16)	1 (1)	44 (16)
08Y3269	M	10260 (5)	23.6 (7)	5.0 (1)	101 (12)	1 (1)	44 (15)
M206	M	10190 (6)	24.2 (4)	5.0 (1)	94 (3)	5 (9)	43 (9)
L206	L	10160 (7)	18.6 (14)	5.0 (1)	97 (7)	1 (1)	39 (2)
M205	M	10000 (8)	25.8 (1)	5.0 (1)	102 (15)	1 (1)	43 (9)
08Y3126	M	9630 (9)	24.8 (3)	5.0 (1)	94 (3)	27 (11)	43 (13)
M208	M	9450 (10)	24.1 (5)	5.0 (1)	101 (11)	2 (8)	43 (12)
04Y177	SPQ	9420 (11)	21.2 (9)	4.7 (15)	95 (5)	96 (15)	40 (4)
M202	M	9300 (12)	24.9 (2)	5.0 (1)	97 (8)	35 (13)	43 (11)
10Y1025	L	9190 (13)	19.9 (12)	4.8 (13)	102 (14)	1 (1)	40 (5)
09Y2159	SLA	8800 (14)	18.6 (15)	4.4 (17)	105 (17)	29 (12)	40 (5)
S102	S	8740 (15)	18.2 (17)	5.0 (1)	90 (1)	86 (14)	42 (8)
CH201	SPQ	7800 (16)	18.3 (16)	5.0 (1)	101 (12)	97 (17)	38 (1)
CM101	SWX	7370 (17)	19.3 (13)	4.7 (15)	93 (2)	96 (15)	41 (7)
MEAN		9590	21.7	4.9	98	29	42
CV		6.0	6.3	4.7	0.5	70.9	3.1
LSD (.05)		820	1.9	0.3	1	29	2

*Preliminary Lines and Varieties*

09Y3665	M	10640 (1)	24.4 (9)	5.0 (1)	98 (13)	5 (28)	41 (11)
09Y3600	M	10470 (2)	21.8 (21)	5.0 (1)	101 (25)	1 (1)	42 (16)
09Y3523	M	10440 (3)	24.1 (12)	5.0 (1)	88 (1)	1 (1)	40 (8)
10Y1059	LJ	10200 (4)	21.1 (25)	5.0 (1)	98 (14)	1 (1)	41 (13)
09Y3517	M	10170 (5)	23.8 (14)	5.0 (1)	94 (4)	3 (27)	45 (36)
10Y2094	MPQ	10130 (6)	24.1 (12)	5.0 (1)	96 (8)	63 (34)	42 (25)
09Y3605	M	10110 (7)	23.6 (15)	5.0 (1)	106 (35)	1 (1)	42 (23)
09Y2184	S	10100 (8)	23.4 (17)	5.0 (1)	105 (31)	1 (1)	42 (20)
09Y3671	M	10060 (9)	23.4 (16)	5.0 (1)	101 (25)	1 (1)	42 (16)
09Y3805	M	10010 (10)	24.6 (7)	5.0 (1)	100 (22)	1 (1)	43 (26)
08Y3239	M	10000 (11)	22.5 (20)	5.0 (1)	99 (18)	1 (1)	41 (13)
10Y1067	LJ	9940 (12)	18.1 (37)	5.0 (1)	95 (7)	1 (1)	38 (2)
09Y3912	M	9880 (13)	23.4 (18)	5.0 (1)	102 (29)	1 (1)	44 (31)
M105	M	9800 (14)	25.0 (5)	5.0 (1)	93 (3)	16 (29)	43 (30)
09Y3708	M	9700 (15)	25.7 (2)	5.0 (1)	105 (32)	1 (1)	42 (20)
09Y3580	M	9700 (16)	25.0 (4)	4.8 (33)	99 (18)	1 (1)	41 (15)
09Y3886	M	9500 (17)	24.4 (10)	5.0 (1)	100 (23)	1 (1)	44 (34)
09Y1067	LIM	9480 (18)	19.5 (29)	5.0 (1)	99 (16)	1 (1)	45 (35)
10Y2046	SPQ	9400 (19)	18.3 (36)	5.0 (1)	96 (8)	48 (31)	42 (16)
10Y2086	MPQ	9150 (20)	23.0 (19)	5.0 (1)	99 (16)	50 (32)	42 (16)
10Y1162	L	9070 (21)	19.4 (30)	5.0 (1)	99 (18)	1 (1)	41 (12)
09Y1079	L	9040 (22)	21.5 (23)	5.0 (1)	105 (32)	1 (1)	40 (8)
09Y3005	M	9020 (23)	24.5 (8)	5.0 (1)	94 (4)	21 (30)	44 (32)
10Y2082	MPQ	8650 (24)	25.0 (5)	5.0 (1)	94 (4)	99 (36)	42 (20)
10Y1038	L	8590 (25)	19.2 (33)	5.0 (1)	101 (25)	1 (1)	43 (28)
09Y2171	M	8470 (26)	24.4 (10)	5.0 (1)	97 (11)	99 (36)	42 (24)
10Y2126	MPQ	7870 (27)	26.7 (1)	5.0 (1)	99 (18)	50 (32)	45 (38)
10Y150	LJ	7770 (28)	20.8 (27)	5.0 (1)	97 (11)	1 (1)	40 (8)
A201	LA	7680 (29)	21.3 (24)	5.0 (1)	107 (37)	1 (1)	43 (26)
10Y2093	MPQ	7600 (30)	25.2 (3)	5.0 (1)	96 (8)	99 (36)	45 (36)
10Y1149	LA	7520 (31)	20.4 (28)	5.0 (1)	100 (23)	1 (1)	38 (2)
AKITA	SPQ	6970 (32)	19.3 (31)	4.1 (38)	91 (2)	97 (35)	44 (33)
10Y151	LB	6910 (33)	20.8 (26)	4.9 (32)	107 (36)	1 (1)	38 (4)
08Y1115	LA	6300 (34)	21.6 (22)	4.5 (37)	108 (38)	1 (1)	39 (5)
10P1433	LB	6040 (35)	19.2 (34)	4.8 (33)	101 (25)	1 (1)	43 (29)
CT202	LB	6030 (36)	19.0 (35)	4.8 (33)	105 (32)	1 (1)	37 (1)
10P1597	LB	5290 (37)	19.2 (32)	5.0 (1)	104 (30)	1 (1)	40 (7)
10Y153	LB	4910 (38)	16.6 (38)	4.7 (36)	98 (14)	1 (1)	39 (6)
MEAN		8750	22.2	4.9	99	18	42
CV		5	5.1	3.7	1.9	117.9	3.4
LSD (.05)		890	2.3	0.4	4	42	3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; LA=low amalose; J=Jasmine; R = Newrex;

SR=stem rot resistant; A = aromatic; B=Basmati; IM=IMMI herbicide resistant.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 14. Grain Yield (lb/acre @14% moisture) Summary of Early Rice Varieties by Location and Year (2007-2011)

Location	Year	Calhikari					Calmati		
		201	S-102	M-202	M-105	M-205	M-206	202	L-206
Biggs (RES)	2007	6230	8730	<b>6940</b>	-	8920	9430	6080	9540
	2008	9520	10950	<b>10580</b>	10590	10800	10620	7930	10820
	2009	9090	9700	<b>8940</b>	8690	9430	9080	7650	10840
	2010	9390	9400	<b>10210</b>	11530	10790	10990	8730	11090
	2011	9210	10230	<b>9660</b>	9490	10610	10050	5410	10020
Location Mean		8688	9802	<b>9266</b>	10075	10110	10034	7160	10462
Butte	2007	7430	8580	<b>7640</b>	-	8310	8060	7160	8900
	2008	6360	7470	<b>7150</b>	8450	8220	8450	7020	8700
	2009	8690	7800	<b>9690</b>	8530	9830	8170	7780	9610
	2010	7900	7330	<b>8190</b>	8530	7950	8440	6770	8400
	2011	8060	8280	<b>8180</b>	9270	8860	8520	8020	9330
Location Mean		7688	7892	<b>8170</b>	8695	8634	8328	7350	8988
Colusa	2007	8270	9040	<b>9030</b>	-	9630	9960	6260	9100
	2008	8640	9870	<b>9950</b>	10100	10080	10080	5740	9730
	2009	7350	8130	<b>8560</b>	8880	9680	8800	5510	8600
	2010	9510	10190	<b>10910</b>	10930	11190	10560	4690	10440
	2011	6040	7420	<b>9350</b>	7580	9760	9960	5210	9660
Location Mean		7962	8930	<b>9560</b>	9373	10068	9872	5482	9506
Yuba	2007	5910	6170	<b>7040</b>	-	7480	7960	5800	6520
	2008	8880	9830	<b>10140</b>	10270	10500	10720	6250	11000
	2009	6880	7950	<b>7940</b>	8160	8790	8530	5960	9150
	2010	8350	10010	<b>10220</b>	10040	9370	10330	5470	9070
	2011	7800	8740	<b>9300</b>	9800	10000	10190	6030	10160
Location Mean		7564	8540	<b>8928</b>	9568	9228	9546	5902	9180
Loc/Years Mean		7976	8791	<b>8981</b>	9428	9510	9445	6474	9534
<b>Yield % M-202</b>		<b>88.8</b>	<b>97.9</b>	<b>100</b>	<b>105.0</b>	<b>105.9</b>	<b>105.2</b>	<b>72.1</b>	<b>106.2</b>
Number of Tests		20	20	<b>20</b>	16	20	20	20	20

Table 15. 2011 Intermediate/Late Rice Variety Tests - Three Location Summary

*Advanced Lines and Varieties*

Variety	Grain Type	Ave Grain Yield at 14% Moisture	Single Location Yields			Ave Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		lbs/acre	Biggs	Glenn	Sutter					
06Y575	LR	<b>10310 (1)</b>	10390 (1)	10010 (1)	10540 (1)	15.7 (8)	4.9 (4)	100 (8)	1 (1)	42 (9)
08Y3310	M	<b>9780 (2)</b>	10230 (3)	9280 (4)	9820 (2)	20.0 (4)	4.8 (8)	95 (5)	1 (1)	38 (4)
M205	M	<b>9710 (3)</b>	10270 (2)	9550 (3)	9310 (6)	20.4 (3)	4.7 (9)	98 (6)	1 (3)	39 (5)
04Y177	SPQ	<b>9650 (4)</b>	10140 (4)	9120 (5)	9690 (4)	17.3 (6)	4.9 (3)	91 (1)	29 (9)	36 (2)
L206	L	<b>9560 (5)</b>	9990 (5)	8900 (8)	9780 (3)	15.3 (9)	4.9 (2)	93 (2)	2 (5)	36 (1)
09Y2176	MPQ	<b>9300 (6)</b>	9220 (7)	9100 (6)	9580 (5)	20.7 (2)	4.9 (6)	99 (7)	4 (6)	41 (8)
M202	M	<b>9060 (7)</b>	9160 (9)	9030 (7)	9010 (7)	19.3 (5)	4.8 (7)	93 (3)	20 (7)	41 (7)
M402	MPQ	<b>9000 (8)</b>	9200 (8)	9820 (2)	8000 (9)	21.6 (1)	4.9 (5)	109 (9)	1 (3)	40 (6)
CH201	SPQ	<b>8850 (9)</b>	9230 (6)	8430 (9)	8900 (8)	16.8 (7)	5.0 (1)	94 (4)	23 (8)	37 (3)
MEAN		<b>9470</b>	9760	9250	9400	18.6	4.9	97	9	39
CV		<b>4.7</b>	4.1	4.2	5.7	3.5	3.5	1.3	169.5	3.3
LSD (.05)		<b>360</b>	580	560	780	0.5	0.1	1	13	1

*Preliminary Lines and Varieties*

10Y1012	L	<b>10460 (1)</b>	11170 (1)	9710 (6)	10500 (1)	16.0 (18)	5.0 (1)	98 (23)	1 (1)	39 (13)
09Y1079	L	<b>10250 (2)</b>	10810 (3)	9520 (8)	10440 (2)	15.9 (19)	5.0 (6)	98 (20)	1 (1)	37 (8)
09Y3700	M	<b>10170 (3)</b>	11050 (2)	10010 (1)	9470 (11)	20.0 (11)	5.0 (1)	98 (17)	1 (1)	37 (7)
09Y3887	M	<b>9970 (4)</b>	10220 (11)	9830 (3)	9850 (6)	21.2 (3)	4.9 (12)	97 (13)	1 (1)	39 (18)
09Y3607	M	<b>9870 (5)</b>	10540 (8)	8940 (14)	10110 (4)	20.3 (10)	4.9 (24)	97 (15)	1 (1)	39 (15)
09Y3830	M	<b>9790 (6)</b>	10610 (6)	8860 (15)	9910 (5)	20.9 (4)	4.9 (22)	97 (15)	1 (1)	42 (25)
06Y513	L	<b>9780 (7)</b>	9930 (12)	9780 (4)	9620 (9)	15.7 (22)	4.9 (18)	99 (24)	4 (21)	39 (16)
09Y3502	M	<b>9680 (8)</b>	9820 (13)	9700 (7)	9530 (10)	20.3 (7)	5.0 (7)	97 (11)	9 (23)	41 (24)
08Y3314	M	<b>9680 (9)</b>	10690 (4)	9180 (11)	9170 (16)	20.3 (9)	4.9 (12)	97 (12)	1 (1)	38 (11)
09Y3622	M	<b>9670 (10)</b>	10680 (5)	9280 (9)	9060 (17)	21.3 (2)	4.9 (24)	98 (18)	1 (1)	42 (26)
09Y3610	M	<b>9670 (11)</b>	10370 (9)	9180 (10)	9460 (12)	20.3 (8)	4.8 (28)	97 (9)	1 (1)	38 (12)
08Y2163	SPQ	<b>9520 (12)</b>	9670 (17)	9710 (5)	9180 (15)	18.6 (16)	4.9 (12)	96 (5)	1 (1)	37 (6)
09Y4002	M	<b>9450 (13)</b>	10310 (10)	8250 (21)	9780 (7)	18.0 (17)	5.0 (7)	90 (1)	1 (1)	39 (14)
10Y2081	MPQ	<b>9430 (14)</b>	9740 (15)	9150 (12)	9380 (14)	20.4 (6)	4.8 (26)	94 (3)	14 (25)	40 (20)
08Y3338	M	<b>9220 (15)</b>	10560 (7)	8330 (20)	8780 (22)	18.9 (15)	4.9 (12)	97 (13)	1 (1)	36 (1)
09Y1067	LJ	<b>9190 (16)</b>	9720 (16)	8140 (22)	9730 (8)	15.7 (20)	5.0 (7)	94 (2)	1 (1)	39 (17)
09Y2173	MPQ	<b>9150 (17)</b>	9750 (14)	8690 (16)	9010 (18)	20.8 (5)	4.8 (27)	98 (21)	11 (24)	40 (22)
10Y2120	MPQ	<b>9110 (18)</b>	9260 (19)	8640 (17)	9430 (13)	19.2 (13)	4.9 (12)	96 (7)	19 (26)	40 (21)
10Y1059	LJ	<b>8990 (19)</b>	9580 (18)	8410 (19)	8990 (19)	15.4 (23)	4.9 (18)	94 (4)	1 (1)	39 (19)
10Y1196	LJ	<b>8930 (20)</b>	8200 (22)	8420 (18)	10160 (3)	15.4 (24)	4.9 (20)	102 (27)	1 (1)	38 (9)
M401	MPQ	<b>8870 (21)</b>	8910 (20)	9930 (2)	7780 (25)	22.7 (1)	5.0 (1)	113 (30)	32 (28)	44 (29)
09Y2174	MPQ	<b>8790 (22)</b>	8430 (21)	9050 (13)	8910 (20)	19.9 (12)	4.9 (20)	96 (6)	37 (29)	42 (27)
10Y150	LJ	<b>8180 (23)</b>	8030 (24)	7700 (23)	8820 (21)	15.7 (21)	4.9 (12)	96 (8)	1 (1)	36 (4)
10Y151	LB	<b>7840 (24)</b>	8150 (23)	7330 (24)	8030 (24)	15.3 (25)	5.0 (7)	97 (9)	1 (1)	36 (2)
10Y1199	LB	<b>7270 (25)</b>	6780 (25)	6990 (25)	8040 (23)	15.1 (26)	4.8 (28)	103 (28)	24 (27)	43 (28)
CT202	LB	<b>6950 (26)</b>	6640 (27)	6770 (28)	7440 (26)	15.0 (28)	4.9 (22)	98 (21)	1 (1)	36 (3)
10P1597	LB	<b>6640 (27)</b>	5720 (29)	6900 (26)	7310 (27)	14.7 (29)	5.0 (4)	99 (25)	8 (22)	36 (5)
10P1610	LB	<b>6450 (28)</b>	6160 (28)	6780 (27)	6410 (28)	14.2 (30)	5.0 (4)	101 (26)	1 (1)	41 (23)
KOSH	SPQ	<b>6210 (29)</b>	6760 (26)	6080 (29)	5780 (29)	19.2 (14)	5.0 (7)	107 (29)	65 (30)	47 (30)
10Y153	LB	<b>5160 (30)</b>	5020 (30)	5520 (30)	4940 (30)	15.0 (27)	4.5 (30)	98 (18)	1 (1)	38 (10)
MEAN		<b>8810</b>	9110	8490	8830	18	4.9	98	8	39
CV		<b>6.1</b>	4	5.7	8.1	3.4	1.3	1	110.7	3.5
LSD (.05)		<b>620</b>	750	990	1460	0.7	0.1	1	10	2

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amylase; J = Jasmine; R = Newrex.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 16. 2011 Intermediate/Late Advanced Rice Variety Trial - Biggs

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	10390 (1)	12.6 (8)	4.8 (6)	95 (7)	1 (1)	40 (8)
M205	M	10270 (2)	15.3 (3)	4.8 (6)	93 (6)	1 (1)	38 (5)
08Y3310	M	10230 (3)	15.4 (2)	4.8 (6)	88 (3)	1 (1)	37 (4)
04Y177	SPQ	10140 (4)	15.0 (5)	4.9 (4)	88 (2)	1 (1)	36 (2)
L206	L	9990 (5)	12.5 (9)	4.8 (6)	88 (1)	1 (1)	35 (1)
CH201	SPQ	9230 (6)	14.8 (7)	5.0 (1)	91 (5)	1 (1)	36 (3)
09Y2176	MPQ	9220 (7)	15.8 (1)	4.9 (4)	95 (8)	1 (1)	40 (6)
M402	MPQ	9200 (8)	15.2 (4)	4.9 (3)	103 (9)	1 (1)	40 (7)
M202	M	9160 (9)	14.9 (6)	5.0 (2)	89 (4)	1 (1)	40 (9)
MEAN		9760	14.6	4.9	92	1	38
CV		4.1	3.7	1.8	0.6		3.7
LSD (.05)		580	0.8	0.1	1		2

*Preliminary Lines and Varieties*

10Y1012	L	11170 (1)	12.8 (19)	5.0 (3)	94 (21)	1 (1)	38 (13)
09Y3700	M	11050 (2)	14.7 (17)	5.0 (1)	93 (14)	1 (1)	36 (7)
09Y1079	L	10810 (3)	12.9 (18)	4.9 (4)	93 (19)	1 (1)	37 (11)
08Y3314	M	10690 (4)	15.1 (10)	4.8 (15)	91 (9)	1 (1)	37 (9)
09Y3622	M	10680 (5)	15.8 (3)	4.8 (15)	93 (17)	1 (1)	42 (26)
09Y3830	M	10610 (6)	15.7 (4)	4.8 (15)	92 (11)	1 (1)	42 (27)
08Y3338	M	10560 (7)	15.0 (11)	4.8 (15)	91 (7)	1 (1)	36 (4)
09Y3607	M	10540 (8)	15.3 (8)	4.8 (22)	93 (14)	1 (1)	38 (12)
09Y3610	M	10370 (9)	15.2 (9)	4.8 (15)	90 (3)	1 (1)	38 (15)
09Y4002	M	10310 (10)	14.8 (16)	4.9 (10)	85 (1)	1 (1)	39 (18)
09Y3887	M	10220 (11)	15.5 (5)	4.9 (4)	93 (17)	1 (1)	38 (15)
06Y513	L	9930 (12)	12.5 (24)	4.7 (25)	94 (22)	1 (1)	39 (19)
09Y3502	M	9820 (13)	15.4 (7)	4.9 (10)	91 (9)	1 (1)	41 (24)
09Y2173	MPQ	9750 (14)	14.9 (15)	4.8 (15)	94 (20)	1 (1)	40 (22)
10Y2081	MPQ	9740 (15)	16.3 (1)	4.7 (25)	91 (7)	1 (1)	40 (22)
09Y1067	LJ	9720 (16)	12.5 (23)	4.8 (13)	90 (5)	1 (1)	39 (17)
08Y2163	SPQ	9670 (17)	14.9 (14)	4.9 (4)	89 (2)	1 (1)	36 (5)
10Y1059	LJ	9580 (18)	12.1 (26)	4.7 (24)	92 (11)	1 (1)	39 (19)
10Y2120	MPQ	9260 (19)	14.9 (13)	4.9 (4)	92 (11)	1 (1)	39 (21)
M401	MPQ	8910 (20)	16.3 (2)	5.0 (1)	106 (30)	1 (1)	48 (29)
09Y2174	MPQ	8430 (21)	15.0 (12)	4.8 (15)	90 (3)	1 (1)	42 (25)
10Y1196	LJ	8200 (22)	12.7 (21)	4.7 (28)	98 (27)	1 (1)	37 (10)
10Y151	LB	8150 (23)	12.7 (20)	4.8 (13)	94 (22)	1 (1)	36 (3)
10Y150	LJ	8030 (24)	12.7 (22)	4.8 (22)	90 (6)	1 (1)	35 (2)
10Y1199	LB	6780 (25)	12.0 (28)	4.7 (25)	101 (28)	1 (1)	42 (28)
KOSH	SPQ	6760 (26)	15.5 (6)	4.9 (10)	101 (29)	1 (1)	49 (30)
CT202	LB	6640 (27)	12.1 (26)	4.6 (29)	96 (26)	1 (1)	36 (5)
10P1610	LB	6160 (28)	10.3 (30)	4.9 (4)	95 (25)	1 (1)	38 (14)
10P1597	LB	5720 (29)	11.6 (29)	4.9 (4)	95 (24)	1 (1)	34 (1)
10Y153	LB	5020 (30)	12.2 (25)	4.4 (30)	93 (14)	1 (1)	37 (8)
MEAN		9110	14	4.8	93	1	39
CV		4	3.6	1.4	1		4
LSD (.05)		750	1	0.1	2		3

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amalose; J = Jasmine; R = Newrex.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 17. 2011 Intermediate/Late Rice Variety Trial - Glenn

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	10010 (1)	12.3 (8)	5.0 (1)	95 (6)	1 (1)	41 (9)
M402	MPQ	9820 (2)	17.0 (1)	5.0 (1)	109 (9)	2 (3)	39 (6)
M205	M	9550 (3)	15.6 (3)	4.8 (9)	98 (8)	2 (3)	38 (5)
08Y3310	M	9280 (4)	15.6 (3)	5.0 (1)	95 (5)	1 (1)	37 (4)
04Y177	SPQ	9120 (5)	13.4 (6)	5.0 (1)	90 (1)	51 (7)	37 (2)
09Y2176	MPQ	9100 (6)	15.2 (5)	5.0 (1)	95 (6)	9 (6)	40 (7)
M202	M	9030 (7)	15.7 (2)	5.0 (1)	93 (4)	59 (9)	40 (8)
L206	L	8900 (8)	11.9 (9)	5.0 (1)	90 (1)	3 (5)	35 (1)
CH201	SPQ	8430 (9)	12.3 (7)	5.0 (1)	93 (3)	59 (8)	37 (3)
MEAN		9250	14.3	5.0	95	21	38
CV		4.2	3.2	1.6	1	111.7	3.4
LSD (.05)		560	0.7	0.1	1	34	2

*Preliminary Lines and Varieties*

09Y3700	M	10010 (1)	15.7 (4)	5.0 (1)	98 (22)	1 (1)	38 (12)
M401	MPQ	9930 (2)	17.2 (1)	5.0 (1)	113 (30)	93 (28)	40 (23)
09Y3887	M	9830 (3)	16.5 (3)	5.0 (1)	96 (13)	1 (1)	40 (25)
06Y513	L	9780 (4)	12.1 (21)	5.0 (1)	96 (13)	11 (21)	38 (18)
08Y2163	SPQ	9710 (5)	14.2 (16)	5.0 (1)	97 (19)	1 (1)	37 (8)
10Y1012	L	9710 (6)	12.5 (18)	5.0 (1)	95 (8)	1 (1)	38 (16)
09Y3502	M	9700 (7)	15.1 (7)	5.0 (1)	96 (13)	26 (23)	40 (23)
09Y1079	L	9520 (8)	12.2 (19)	5.0 (1)	95 (8)	1 (1)	37 (6)
09Y3622	M	9280 (9)	16.8 (2)	5.0 (1)	98 (22)	1 (1)	40 (20)
09Y3610	M	9180 (10)	15.4 (5)	5.0 (1)	97 (19)	1 (1)	37 (8)
08Y3314	M	9180 (11)	15.1 (10)	5.0 (1)	96 (13)	1 (1)	38 (14)
10Y2081	MPQ	9150 (12)	15.0 (11)	5.0 (1)	93 (4)	41 (25)	37 (10)
09Y2174	MPQ	9050 (13)	15.4 (5)	5.0 (1)	95 (11)	99 (29)	43 (29)
09Y3607	M	8940 (14)	15.1 (7)	5.0 (1)	96 (12)	1 (1)	39 (19)
09Y3830	M	8860 (15)	14.6 (13)	5.0 (1)	98 (22)	1 (1)	40 (20)
09Y2173	MPQ	8690 (16)	15.1 (7)	5.0 (1)	96 (13)	31 (24)	40 (20)
10Y2120	MPQ	8640 (17)	15.0 (11)	5.0 (1)	95 (8)	55 (26)	41 (28)
10Y1196	LJ	8420 (18)	12.2 (19)	5.0 (1)	98 (25)	1 (1)	38 (12)
10Y1059	LJ	8410 (19)	11.6 (23)	5.0 (1)	91 (3)	1 (1)	38 (16)
08Y3338	M	8330 (20)	14.4 (15)	5.0 (1)	97 (21)	1 (1)	34 (2)
09Y4002	M	8250 (21)	14.4 (14)	5.0 (1)	90 (1)	1 (1)	37 (10)
09Y1067	LJ	8140 (22)	11.9 (22)	5.0 (1)	90 (1)	1 (1)	38 (14)
10Y150	LJ	7700 (23)	11.6 (23)	5.0 (1)	94 (6)	1 (1)	36 (4)
10Y151	LB	7330 (24)	10.9 (26)	5.0 (1)	93 (5)	1 (1)	35 (3)
10Y1199	LB	6990 (25)	10.6 (27)	5.0 (1)	98 (25)	70 (27)	40 (26)
10P1597	LB	6900 (26)	10.2 (29)	5.0 (1)	99 (27)	23 (22)	37 (6)
10P1610	LB	6780 (27)	9.8 (30)	5.0 (1)	100 (28)	1 (1)	41 (27)
CT202	LB	6770 (28)	11.5 (25)	5.0 (1)	94 (6)	1 (1)	34 (1)
KOSH	SPQ	6080 (29)	13.2 (17)	5.0 (1)	108 (29)	99 (29)	45 (30)
10Y153	LB	5520 (30)	10.4 (28)	4.7 (30)	96 (13)	1 (1)	36 (5)
MEAN		8490	13.5	5.0	96	19	38
CV		5.7	4.1		1.2	81.4	3.6
LSD (.05)		990	1.1		2	31	3

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amalose; J = Jasmine; R = Newrex.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.

Table 18. 2011 Intermediate/Late Rice Variety Trial - Sutter

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	10540 (1)	22.1 (8)	5.0 (3)	109 (8)	1 (1)	44 (9)
08Y3310	M	9820 (2)	29.0 (4)	4.6 (7)	102 (5)	1 (1)	40 (4)
L206	L	9780 (3)	21.5 (9)	5.0 (1)	101 (4)	1 (1)	37 (2)
04Y177	SPQ	9690 (4)	23.5 (6)	4.9 (4)	96 (1)	36 (9)	37 (1)
09Y2176	MPQ	9580 (5)	31.0 (2)	4.8 (5)	106 (7)	1 (1)	43 (8)
M205	M	9310 (6)	30.3 (3)	4.6 (8)	103 (6)	1 (1)	40 (6)
M202	M	9010 (7)	27.2 (5)	4.5 (9)	98 (3)	1 (1)	41 (7)
CH201	SPQ	8900 (8)	23.3 (7)	5.0 (1)	98 (2)	10 (8)	39 (3)
M402	MPQ	8000 (9)	32.6 (1)	4.8 (5)	115 (9)	1 (1)	40 (5)
MEAN		9400	26.7	4.8	103	6	40
CV		5.7	3.2	5.6	1.8	237.1	2.7
LSD (.05)		780	1.3		3	20	2

*Preliminary Lines and Varieties*

10Y1012	L	10500 (1)	22.7 (22)	5.0 (1)	107 (25)	1 (1)	39 (11)
09Y1079	L	10440 (2)	22.5 (24)	5.0 (1)	106 (24)	1 (1)	38 (6)
10Y1196	LJ	10160 (3)	21.3 (30)	5.0 (1)	109 (27)	1 (1)	39 (8)
09Y3607	M	10110 (4)	30.3 (9)	4.8 (24)	104 (14)	1 (1)	39 (11)
09Y3830	M	9910 (5)	32.4 (2)	4.9 (23)	103 (9)	1 (1)	43 (25)
09Y3887	M	9850 (6)	31.6 (4)	4.9 (19)	102 (7)	1 (1)	39 (8)
09Y4002	M	9780 (7)	24.8 (17)	5.0 (1)	95 (1)	1 (1)	40 (16)
09Y1067	LJ	9730 (8)	22.7 (21)	5.0 (1)	102 (4)	1 (1)	40 (19)
06Y513	L	9620 (9)	22.3 (27)	5.0 (1)	105 (21)	1 (1)	39 (11)
09Y3502	M	9530 (10)	30.4 (7)	5.0 (1)	103 (11)	1 (1)	43 (24)
09Y3700	M	9470 (11)	29.7 (11)	5.0 (1)	103 (11)	1 (1)	38 (4)
09Y3610	M	9460 (12)	30.4 (8)	4.6 (29)	104 (14)	1 (1)	39 (11)
10Y2120	MPQ	9430 (13)	27.7 (14)	4.9 (19)	102 (4)	1 (1)	40 (17)
10Y2081	MPQ	9380 (14)	29.8 (10)	4.8 (24)	99 (2)	1 (1)	42 (23)
08Y2163	SPQ	9180 (15)	26.6 (16)	4.9 (19)	102 (4)	1 (1)	38 (6)
08Y3314	M	9170 (16)	30.7 (6)	5.0 (1)	104 (14)	1 (1)	39 (15)
09Y3622	M	9060 (17)	31.4 (5)	4.8 (26)	103 (11)	1 (1)	44 (28)
09Y2173	MPQ	9010 (18)	32.3 (3)	4.7 (27)	105 (21)	1 (1)	41 (22)
10Y1059	LJ	8990 (19)	22.6 (23)	5.0 (1)	100 (3)	1 (1)	40 (18)
09Y2174	MPQ	8910 (20)	29.5 (12)	4.9 (19)	103 (9)	11 (29)	41 (20)
10Y150	LJ	8820 (21)	22.8 (18)	5.0 (1)	104 (18)	1 (1)	37 (1)
08Y3338	M	8780 (22)	27.3 (15)	5.0 (1)	104 (14)	1 (1)	37 (2)
10Y1199	LB	8040 (23)	22.7 (19)	4.7 (27)	110 (28)	1 (1)	45 (29)
10Y151	LB	8030 (24)	22.4 (26)	5.0 (1)	102 (7)	1 (1)	37 (2)
M401	MPQ	7780 (25)	34.8 (1)	5.0 (1)	121 (30)	1 (1)	43 (25)
CT202	LB	7440 (26)	21.3 (29)	5.0 (1)	105 (21)	1 (1)	38 (4)
10P1597	LB	7310 (27)	22.3 (28)	5.0 (1)	104 (18)	1 (1)	39 (8)
10P1610	LB	6410 (28)	22.7 (20)	5.0 (1)	108 (26)	1 (1)	43 (25)
KOSH	SPQ	5780 (29)	28.9 (13)	5.0 (1)	111 (29)	95 (30)	46 (30)
10Y153	LB	4940 (30)	22.4 (25)	4.5 (30)	105 (20)	1 (1)	41 (20)
MEAN		8830	26.6	4.9	104	4	40
CV		8.1	2.9	1.8	0.9	55.1	2.9
LSD (.05)		1460	1.6	0.2	2	5	2

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amaloose; J = Jasmine; R = Newrex.

Subjective rating of 1-5 where 1 = poor and 5 = excellent seedling emergence.

Subjective rating of 1-99 where 1 = none and 99 = completely lodged.

Numbers in parentheses indicate relative rank in column.



Table 19. Grain Yield (lb/acre @14% moisture) Summary of Intermediate/  
Late Rice Varieties by Location and Year (2007-2011)

Location	Year	M-205	M-402	<b>M-202</b>	L-205	L-206
Biggs (RES)	2007	10080	8940	<b>8960</b>	9430	10390
	2008	10950	9220	<b>10310</b>	9890	10740
	2009	9290	9110	<b>8300</b>	9170	9950
	2010	11030	8240	<b>10430</b>	-	11610
	2011	10270	9200	<b>9160</b>	-	9990
<b>Location Mean</b>		10324	8942	<b>9432</b>	9497	10536
Glenn	2007	10400	9080	<b>9110</b>	9150	9670
	2008	8440	7240	<b>8300</b>	8820	8710
	2009	10120	10610	<b>9230</b>	9910	10440
	2010	9210	9360	<b>7970</b>	-	8340
	2011	9550	9820	<b>9030</b>	-	8900
<b>Location Mean</b>		9544	9222	<b>8728</b>	9293	9212
Sutter	2007	10320	8900	<b>9800</b>	10010	9580
	2008	8430	9180	<b>8780</b>	7760	7830
	2009	8180	8010	<b>7080</b>	6570	7470
	2010	9190	9300	<b>10500</b>	-	9390
	2011	9310	8000	<b>9010</b>	-	9780
<b>Location Mean</b>		9086	8678	<b>9034</b>	8113	8810
Loc/Years Mean		9651	8947	<b>9065</b>	8968	9519
<b>Yield % M-202</b>		<b>106.5</b>	<b>98.7</b>	<b>100</b>	<b>98.9</b>	<b>106.2</b>
Number of Tests		15	15	<b>15</b>	9	15