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CALIFORNIA RICE VARIETIES

DESCRIPTION AND PERFORMANCE SUMMARY OF THE 2009 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 2009. 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.

A mild dry spring and excellent planting conditions resulted in the timely planting of an estimated 549,000 acres of rice in 2009 (an increase of 6% compared to 2008). The estimated statewide yield was 8,500 lbs/ac, 5% greater than the 2008 average. Cool spring temperatures followed by relatively mild mid-summer temperatures (Table 2) helped reduce lodging, delayed heading and maturity, increased yields, and improved milling quality. The majority of the crop was harvested in ideal 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. Ten advanced breeding lines and seven commercial varieties were evaluated in Advanced Test at each of the following locations.

	Date Planted
• Butte County (RES)	5/04
• Sutter County (Lauppe)	5/06
• Yolo County (Webster)	5/18
• San Joaquin (Del Rio Partners)	5/07 (drill-seeded)

Commercial varieties included Calmochi-101, S-102, M-104, M-202, M-206, L-205, and L-206. Thirty-one experimental lines and three commercial varieties (M-203, M-206, and Calhkari-201) were evaluated in the preliminary test at each location. Advanced and preliminary experimental lines at each location were entries from the RES breeding program.

Early Maturity Group. Ten advanced lines and eight commercial varieties were evaluated in the advanced test at each of the following locations.

	Date Planted
• Butte County (RES)	5/04
• Butte County (Larriabee)	5/13
• Colusa County (Dennis)	5/08
• Yuba County (Marler Farms)	5/11

Commercial varieties included Calmochi-101, S-102, M-202, M-205, M-206, M-208, L-205, and L-206. Thirty-one preliminary lines and five commercial varieties (Calhkari-201, Calmati-201, A-201, M-203, and M-206) 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 eight advanced lines were evaluated in Advanced Test at the following locations.

	Date Planted
• Butte County (RES)	5/07
• Glenn County (Wiley)	4/25
• Sutter County (Tucker)	5/04

Commercial varieties included M-202, M-205, M-402, L-205, and L-206. Eighteen experimental lines and four commercial varieties (Calhkari-201, Calmati-201 Calmati-202, and M-205) were included in a separate preliminary test at each site. Advanced and preliminary non-commercial 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).

The Colusa, Yuba, and Sutter county tests were harvested with the ALMACO combine. The Butte, Glenn, San Joaquin, and Yolo tests were harvested with the SWECO 324 small plot combine and plots at the RES were harvested with a modified Allis-Chalmers combine. The harvest area for plots harvested by the SWECO, ALMACO, and Allis-Chalmers combines was 145, 153, and 150 ft² respectively. Grain moisture was assessed at harvest and yields adjusted to 14% moisture.

SUMMARY OF THE VERY EARLY RICE VARIETY TESTS

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

A four location combined yield and agronomic performance summary is given in Table 3. Agronomic performance data for individual entries at each Very Early location are presented in Tables 4 through 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 (2005-2009) is found in Table 8.

Grain yields in the advanced tests averaged 8740 lbs/acre at the RES, 9470 at Sutter, 11530 at Yolo, and 8130 at San Joaquin. Over the four locations, the highest yielding commercial variety was M-206 at 9840 lbs/acre (Table 3). Entry 06Y575, an advanced Rex-type long grain, was the highest yielding entry overall and at all four locations. There were no significant differences between the yields of M-206 and L-206 at three of the four locations. Over-all yields at Yolo were 1410 lbs/ac higher than in 2008 due in part to milder (warmer) temperatures, excellent weed control, optimum fertility, zero lodging, and the field was rotated out of a row crop.

The average days to 50% heading in 2009 was 4 days less than in 2008. Rain was not a significant factor in field preparation thus the majority of the rice was planted in a timely manner. As in 2008, relatively mild mid-summer temperatures slowed plant development resulting in reduced plant height (thus reduced lodging), delayed maturation, and an overall increase in head rice yield and grain quality.

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, L-204, L-205, and L-206 yielded 99.6%, 106%, 106%, 98%, 106%, 99%, and 105% (respectively) of the standard variety M-104. Over the 5-year period and across locations, S-102 was the highest yielding variety followed by M-206 and L-206 at 9402 lbs/ac, 9368 lbs/ac, and 9278 respectively lbs/ac (Table 8). The top four yielding lines in the preliminary tests had yields in excess of 10,000 lbs/ac and were not significantly different (Table 9).

SUMMARY OF THE EARLY RICE VARIETY TESTS (90-97 days to 50% heading at Biggs, CA)

A four location combined yield summary is given in Table 9. Agronomic performance data for individual entries at each early location are presented in Tables 10 through 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 (2005-2009) is found in Table 14.

Yields in the advanced tests averaged 9640 lb/acre at the RES, 9130 lb/acre at Butte, 8380 lb/ac at Yuba, and 8730 lb/acre at Colusa. L-206 was the highest yielding commercial variety overall, Biggs and at Yuba. The highest yielding entry overall, at Biggs, Butte and Yuba was the long grain (Newrex) advanced line 08Y1092 (Table 9). Overall, commercial varieties L-206 and M-205, yielded third and fifth respectively. Other leading advanced entries were the long-grain types 08Y1048 and 06Y513 (second and fourth, respectively). Commercial varieties L-205, M-208, M-202, and M-206 ranked 9th, 10th, 12th, and 13th in over-locations average yields. Of the preliminary lines, long-grain entries 08Y084, 07Y526, and 08Y1099 were the top three yielding varieties respectively.

Average days to 50% heading increased 6 days, lodging nearly doubled, and plant height were similar when compared to 2008.

Table 14 shows the over-year and over-location yields for selected commercial varieties. Common year-location entries are compared to give relative yield as a percentage of M-202, the early standard. An average of the early tests over the last 5 years shows that Cahikari-201, S-102, M-205, M-206, Calmati-201, and L-205 yielded 91%, 100%, 108%, 103%, 83%, and 101% of M-202 (respectively).

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

Agronomic performance data for individual entries at each intermediate-late location are presented in Tables 16 through 18. A three location combined yield summary is given in Table 15. Entries are ranked by grain yield with the highest yielding entry appearing first.

Average yields in the advanced Intermediate-Late tests were 9470 lb/acre at the RES, 10220 lb/acre at Glenn, and 7920 lb/acre at Sutter. Advanced line 07Y671, a stem-rot resistant

short grain, ranked 1st overall and 1st at two of three locations. The long grain advanced line 07Y576 yielded the highest at both the RES and Glenn. Long-grain cultivar L-206 was 7th in overall yield but not significantly different than either M-402 or M-205 (Table 15). Climatic conditions mentioned earlier resulted in a slight reduction in lodging and plant height and an increase of 4 days to 50% heading. In the preliminary tests, the long-grain stem-rot resistant entry 08Y1154 yielded highest overall (9490 lb/acre).

Table 19 compares intermediate-late maturing commercial cultivars in over-location and over-years tests. Using M-202 as the standard for comparison, M-205, M-402, L-205, and M-206 yielded 106%, 100%, 101%, and 103%, respectively, of M-202 over the last five years.

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Table 1. Characteristics of Public California Rice Varieties - 2009

CHARACTERISTICS OF PUBLIC CALIFORNIA RICE VARIETIES - 2009					
Grain Type	Maturity	Year Seed Widely Available	Stem Rot Score ¹	Seedling Vigor ²	Comments
			(0-10)	(1-5)	
Short Grain					
S-102 ⁶	Very Early ³	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.
Medium Grains					
M-104 ^{6,7}	Very Early ³	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-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 ^{6,7}	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. Not recommended for Escalon, Delta region or other cool areas.
M-206 ^{6,7}	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 ^{6,7}	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.
Long Grains					
L-205 ⁶	Early	2001	5.2	3.9	Newrex type, dry cooking long grain. High yield potential. Resistant to lodging. More resistant to blanking than L-204. Seedling vigor fair. Avoid early draining (requires 40-45 days after 50% heading to mature) and harvest at 16-18% grain moisture to maximize milling yield.
L-206 ^{6,7}	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.
Premium Quality					
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 ^{6,7}	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 ^{5,6,7}	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.
Specialty Rices⁵					
Calmochi-101 ⁵	Very Early ^{3,4}	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 ^{5,6}	Early ⁴	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-201 ^{5,6}	Early ⁴	2001	5.1	3.9	A basmati type aromatic long grain. Moderate yield potential. Five days later than L-204. Pubescent leaves and hull. Milling yield is considerably higher than A-201. Very susceptible to blanking and should not be grown in cool areas. Excessive nitrogen and late planting will delay maturity and increase blanking. Harvest at 17-18% grain moisture.
Calmati-202 ^{5,6,7}	Early ⁴	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.

1 Average stem rot score over last five years: 0 = no disease and 10 = severe disease.

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

3 Milling quality and yield may be reduced by early planting in warmer areas.

4 Specialty varieties should not be grown unless arrangements have first been made with a marketing agency.

5 These varieties are considered varieties of Commercial Impact (Tier 1) and are subject to production regulations.

6 Protected under the Plant Variety Protection Act and only to be sold as a class of certified seed.

7 Utility Patent

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Table 2. 2009 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	94	59	91	58	88	54	89	60	97	63	89	57	86	54
Aug 02	90	56	88	57	87	54	86	59	98	64	87	55	84	56
Aug 03	88	53	86	57	84	53	83	56	97	63	84	55	81	56
Aug 04	90	52	86	57	86	54	84	56	97	63	87	55	85	56
Aug 05	85	50	85	56	84	54	93	60	97	62	84	56	82	57
Aug 06	81	53	76	58	77	57	73	58	98	63	77	57	76	61
Aug 07	82	60	81	57	82	52	81	55	96	64	83	54	83	53
Aug 08	95	59	90	59	90	58	90	57	97	64	90	55	91	53
Aug 09	99	55	96	57	95	57	91	57	98	63	95	55	96	56
Aug 10	101	64	102	58	99	61	94	58	96	62	101	58	102	58
Aug 11	100	61	89	64	89	59	88	61	95	61	89	63	91	56
Aug 12	101	60	98	58	99	54	95	58	95	61	101	55	98	55
Aug 13	95	62	92	61	95	59	91	62	93	60	94	62	92	58
Aug 14	88	62	88	57	85	54	83	59	93	60	86	58	85	55
Aug 15	97	59	92	55	93	53	91	55	93	61	94	53	92	49
Aug 16	98	53	95	54	95	53	88	53	93	59	95	52	95	51
Aug 17	100	57	94	56	93	54	90	56	92	59	97	55	95	52
Aug 18	99	58	95	57	93	54	91	58	91	59	96	56	94	54
Aug 19	97	58	94	58	90	55	92	60	90	59	92	58	88	54
Aug 20	93	59	86	59	85	55	86	58	91	60	86	56	84	58
Aug 21	94	60	95	59	97	54	92	60	93	60	96	55	98	51
Aug 22	96	61	91	60	90	57	89	61	93	60	91	58	93	57
Aug 23	87	53	83	59	81	54	82	56	92	60	82	54	82	56
Aug 24	90	51	86	50	85	47	86	50	92	59	87	48	87	44
Aug 25	91	49	87	48	88	46	86	49	92	60	90	48	90	46
Aug 26	95	52	89	51	91	50	89	53	91	59	91	56	91	48
Aug 27	97	52	96	51	96	48	93	53	93	59	93	49	96	48
Aug 28	100	62	90	56	96	55	86	54	94	59	93	53	100	52
Aug 29	102	71	99	63	101	63	97	60	92	60	99	62	103	60
Aug 30	93	59	90	66	88	58	88	59	89	60	88	61	93	59
Aug 31	89	51	84	57	84	55	84	55	92	59	84	56	85	57
Sep 01	94	51	89	58	92	55	87	56	93	60	92	56	93	55
Sep 02	94	59	94	58	100	57	91	57	93	60	96	58	97	58
Sep 03	98	60	97	59	100	59	95	58	94	60	99	61	101	57
Sep 04	90	49	89	58	88	53	88	57	94	60	90	56	90	55
Sep 05	83	50	84	56	88	50	80	51	94	61	85	53	84	47
Sep 06	84	57	81	55	82	53	80	54	92	61	81	54	83	54
Sep 07	89	50	86	51	87	52	86	49	92	59	89	51	86	49
Sep 08	92	50	86	49	89	49	83	49	92	60	88	48	90	48
Sep 09	96	53	91	52	92	50	89	52	90	59	96	51	92	49
Sep 10	99	59	88	57	96	53	88	57	89	58	98	53	96	51
Sep 11	102	62	102	56	99	55	96	57	89	58	101	56	99	54
Sep 12	100	71	88	61	87	60	85	63	90	57	84	59	80	60
Sep 13	77	55	74	57	75	56	74	56	89	58	74	56	75	58
Sep 14	86	59	78	55	77	56	76	57	89	58	79	54	78	58
Sep 15	87	55	86	52	84	53	82	53	88	58	87	52	87	52
Sep 16	95	55	88	54	88	53	86	56	88	58	88	53	88	55
Sep 17	96	60	91	57	91	54	93	57	87	57	89	55	91	54
Sep 18	95	58	93	54	96	57	92	57	86	57	94	55	98	55
Sep 19	92	58	88	66	89	62	90	60	86	56	88	62	91	57
Sep 20	100	41	94	56	94	57	95	55	89	56	95	54	94	55
Sep 21	103	53	95	57	97	60	98	56	90	56	94	53	98	54
Sep 22	105	62	98	53	101	56	102	53	88	56	94	55	103	53
Sep 23	99	57	95	51	98	54	93	50	88	56	100	53	98	52
Sep 24	99	58	92	54	93	53	92	53	86	57	91	54	83	32
Sep 25	104	58	99	54	100	49	91	53	85	57	99	51	88	32
Sep 26	105	59	100	55	103	56	95	55	85	57	101	56	86	32
Sep 27	100	58	96	55	100	58	95	55	85	56	102	55	100	32
Sep 28	95	51	86	56	84	55	87	56	87	55	84	56	81	32
Sep 29	77	48	76	50	88	55	74	50	86	56	73	49	73	32
Sep 30	82	47	73	46	74	47	73	51	88	56	74	43	75	43
Oct 01	85	64	81	49	80	52	80	47	86	55	79	41	79	38
Oct 02	85	47	82	41	83	46	84	42	84	55	83	41	83	40
Oct 03	76	47	73	47	74	51	72	45	87	55	74	45	74	53
Oct 04	75	39	66	40	66	45	67	41	86	55	68	38	68	40
Oct 05	80	43	71	37	70	39	72	35	86	54	70	35	71	35
Oct 06	85	47	77	50	76	48	77	49	84	55	78	38	76	36
Oct 07	84	47	82	45	81	44	80	45	84	54	80	37	81	37
Oct 08	83	42	77	42	74	43	78	42	84	54	76	47	73	39
Oct 09	84	43	83	43	79	41	81	41	84	54	81	42	78	40
Oct 10	82	43	79	41	80	42	77	42	82	53	78	41	78	44
Oct 11	73	41	71	44	70	42	72	43	80	53	68	45	64	42
Oct 12	65	41	64	45	81	51	63	46	82	52	63	45	68	42
Oct 13	76	52	61	56	61	55	61	55	81	53	63	56	64	56
Oct 14	74	53	73	57	73	59	72	58	81	52	73	58	76	60
Oct 15	85	54	71	57	72	61	72	58	80	52	75	58	77	61
Oct 16	80	49	82	52	83	54	80	51	78	51	81	52	79	53
Oct 17	80	47	79	55	79	56	79	55	79	49	82	53	82	54
Oct 18	74	54	71	54	70	53	71	56	79	50	71	54	74	54
Oct 19	74	51	60	51	61	52	61	49	78	50	63	51	66	50
Oct 20	75	47	73	48	73	49	74	46	77	50	73	43	71	45
Oct 21	79	46	74	46	74	50	74	46	77	51	72	47	72	45
Oct 22	80	50	76	47	74	51	76	46	75	51	74	45	75	47
Oct 23	80	49	78	48	76	49	79	48	76	51	78	47	78	47
Oct 24	83	51	76	48	76	50	76	46	76	50	75	47	78	50
Oct 25	83	50	80	55	80	57	80	51	76	51	82	45	81	44
Oct 26	77	51	77	47	78	50	78	49	75	50	79	47	81	47
Oct 27	65	46	64	51	63	51	64	50	74	49	64	52	64	52
Oct 28	73	48	62	41	61	47	63	39	72	49	62	38	63	45
Oct 29	75	36	69	37	71	45	70	36	69	48	70	34	70	37
Oct 30	76	41	74	40	75	41	72	40	70	48	72	39	74	38
Oct 31	72	44	78	41	76	42	75	38	71	47	75	38	74	39

Table 3. 2009 Very Early Rice Variety Tests - Four Location Summary

Advanced Lines and Varieties

Variety	Grain Type	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)
		Biggs	Sutter	Yolo	San Joaquin							
06Y575	LR	10870 (1)	10710 (1)	10360 (1)	12920 (1)	9500 (1)	17.0 (12)	5.0 (3)	91 (13)	13 (15)	38 (16)	
07Y508	L	10410 (2)	9840 (4)	10230 (3)	12420 (3)	9160 (2)	17.3 (11)	4.9 (5)	86 (6)	1 (1)	37 (15)	
08Y1009	LSR	9910 (3)	10520 (2)	10280 (2)	11330 (10)	7500 (15)	17.5 (10)	4.9 (7)	91 (12)	1 (1)	34 (5)	
M206	M	9840 (4)	8940 (7)	9390 (10)	12570 (2)	8440 (5)	20.1 (4)	4.9 (9)	88 (11)	5 (12)	36 (12)	
06Y513	L	9790 (5)	10030 (3)	9820 (7)	10890 (12)	8430 (6)	16.3 (15)	4.9 (7)	91 (14)	1 (1)	34 (3)	
L206	L	9720 (6)	9710 (5)	10160 (5)	10880 (13)	8120 (10)	16.3 (16)	4.9 (14)	88 (9)	1 (1)	32 (1)	
05Y471E	M	9690 (7)	8170 (10)	10200 (4)	12210 (4)	8200 (8)	19.2 (6)	4.8 (16)	85 (5)	2 (8)	36 (13)	
05Y471L	M	9530 (8)	8050 (12)	9800 (8)	12100 (5)	8170 (9)	19.3 (5)	4.8 (17)	84 (3)	2 (8)	36 (11)	
M104	M	9380 (9)	7180 (17)	10040 (6)	11770 (7)	8530 (4)	18.3 (8)	4.9 (6)	82 (2)	2 (8)	35 (8)	
L205	LR	9310 (10)	9430 (6)	9630 (9)	11220 (11)	6970 (17)	16.6 (14)	4.8 (15)	93 (16)	2 (6)	34 (4)	
M202	M	9310 (11)	8080 (11)	9070 (12)	11400 (9)	8720 (3)	20.8 (1)	4.9 (10)	92 (15)	10 (14)	36 (14)	
04Y332-1	MPQ	9160 (12)	8640 (8)	9030 (13)	10600 (16)	8380 (7)	20.5 (2)	5.0 (3)	95 (17)	2 (6)	34 (7)	
S-102	S	9030 (13)	8230 (9)	8480 (16)	11930 (6)	7480 (16)	16.0 (17)	4.9 (13)	81 (1)	4 (11)	36 (10)	
04Y177	SPQ	8980 (14)	8020 (13)	8580 (15)	11690 (8)	7620 (13)	17.6 (9)	4.9 (11)	86 (7)	17 (16)	34 (2)	
07Y186	MPQ	8850 (15)	7970 (14)	8880 (14)	10720 (15)	7830 (11)	18.5 (7)	5.0 (1)	87 (8)	1 (5)	35 (9)	
06Y175	MPQ	8650 (16)	7470 (16)	9130 (11)	10510 (17)	7510 (14)	20.4 (3)	5.0 (1)	88 (9)	25 (17)	38 (17)	
CM-101	SWX	8480 (17)	7640 (15)	7870 (17)	10760 (14)	7650 (12)	17.0 (13)	4.9 (11)	84 (3)	9 (13)	34 (6)	
MEAN		9470	8740	9470	11530	8130	18.2	4.9	88	6	35	
CV		5.6	8.3	5.6	3.7	4.4	5.0	1.4	1.1	163.8	3.5	
LSD (.05)		370	1030	760	610	510	0.6	0	1	6	1	

Preliminary Lines and Varieties

09Y026	L	10260 (1)	9720 (1)	10340 (6)	12320 (6)	8660 (8)	18.5 (14)	5.0 (7)	93 (33)	1 (1)	33 (3)
07Y843	M	10050 (2)	8530 (17)	10230 (7)	12240 (7)	9180 (1)	20.2 (2)	5.0 (3)	86 (16)	1 (1)	36 (30)
09Y025	L	10040 (3)	9360 (4)	9420 (24)	12380 (5)	9010 (2)	16.6 (30)	5.0 (3)	87 (17)	3 (17)	35 (22)
08Y1047	L	10010 (4)	8700 (13)	10540 (4)	12130 (10)	8650 (9)	16.2 (32)	4.9 (25)	85 (11)	1 (1)	34 (14)
08Y3114	M	9920 (5)	8700 (13)	9550 (21)	12450 (4)	8990 (3)	19.7 (4)	4.9 (13)	87 (19)	5 (31)	35 (21)
08Y3117	M	9910 (6)	8720 (12)	10130 (8)	12540 (2)	8260 (19)	19.3 (7)	4.9 (21)	87 (20)	5 (27)	36 (32)
09Y024	L	9850 (7)	9470 (2)	8820 (32)	12200 (8)	8900 (5)	16.3 (31)	4.9 (21)	92 (32)	3 (17)	32 (1)
08Y1104	L	9820 (8)	9470 (3)	10670 (2)	11640 (16)	7520 (29)	15.7 (34)	4.9 (13)	93 (34)	1 (1)	33 (4)
08Y2044	SPQ	9730 (9)	8660 (16)	10720 (1)	11550 (17)	7990 (24)	17.3 (26)	4.9 (18)	90 (26)	18 (33)	35 (17)
08Y3026	M	9690 (10)	8740 (11)	9430 (23)	12530 (3)	8050 (23)	19.0 (10)	5.0 (1)	88 (23)	3 (21)	35 (24)
08Y3125	M	9680 (11)	8010 (23)	9870 (13)	12200 (9)	8640 (10)	19.6 (5)	4.9 (21)	87 (21)	3 (21)	37 (33)
07Y732	M	9660 (12)	8800 (9)	9850 (15)	11910 (11)	8060 (22)	19.2 (8)	5.0 (7)	89 (25)	5 (27)	35 (20)
08Y2049	SSR	9640 (13)	8860 (7)	9370 (25)	11710 (14)	8630 (11)	18.4 (15)	4.8 (33)	83 (9)	4 (26)	33 (7)
M206	M	9620 (14)	7980 (24)	9290 (28)	12690 (1)	8520 (12)	19.7 (3)	4.9 (21)	88 (24)	3 (21)	36 (28)
07Y1067	M	9610 (15)	7350 (31)	10540 (3)	11690 (15)	8840 (6)	17.7 (22)	5.0 (7)	83 (6)	1 (11)	36 (27)
08Y1027	L	9570 (16)	8700 (15)	9860 (14)	11440 (19)	8280 (18)	17.3 (27)	4.9 (25)	87 (21)	1 (1)	36 (29)
08Y3015	M	9500 (17)	8240 (21)	9960 (10)	11490 (18)	8310 (17)	17.6 (23)	5.0 (1)	82 (3)	2 (14)	34 (9)
08Y1059	LSR	9500 (18)	8280 (19)	9480 (22)	11870 (12)	8360 (15)	16.7 (29)	4.9 (30)	87 (17)	1 (1)	35 (18)
09Y023	LSR	9450 (19)	8140 (22)	9900 (12)	11850 (13)	7900 (26)	18.9 (11)	4.9 (13)	91 (31)	2 (14)	35 (19)
08Y3020	M	9420 (20)	7710 (28)	9980 (9)	11250 (24)	8730 (7)	17.8 (20)	5.0 (3)	81 (1)	1 (11)	35 (15)
08Y1048	L	9400 (21)	8900 (6)	9810 (16)	10460 (34)	8430 (14)	16.8 (28)	4.9 (28)	90 (29)	1 (1)	33 (6)
M203	MPQ	9370 (22)	7830 (26)	9580 (19)	11080 (29)	8970 (4)	20.6 (1)	4.9 (13)	90 (26)	37 (34)	38 (34)
08Y2042	SPQ	9320 (23)	8750 (10)	9220 (29)	11410 (20)	7900 (25)	17.7 (21)	4.9 (25)	84 (10)	1 (1)	34 (8)
07Y255	M	9300 (24)	7860 (25)	9790 (17)	11200 (27)	8330 (16)	18.1 (18)	5.0 (7)	82 (5)	3 (17)	34 (13)
08Y3115	M	9230 (25)	7580 (29)	10360 (5)	10920 (31)	8090 (21)	19.1 (9)	4.9 (18)	86 (15)	16 (32)	36 (25)
08Y3016	M	9170 (26)	6920 (34)	9940 (11)	11320 (22)	8520 (13)	17.8 (19)	5.0 (7)	82 (2)	1 (1)	34 (11)
08Y2048	SSR	9160 (27)	8960 (5)	9000 (30)	11210 (25)	7470 (30)	18.3 (16)	4.7 (34)	82 (4)	1 (1)	34 (10)
08Y2025	S	9160 (28)	8250 (20)	9760 (18)	10930 (30)	7710 (27)	18.8 (13)	4.9 (30)	85 (14)	3 (21)	36 (30)
08Y2037	SPQ	9080 (29)	8330 (18)	9550 (20)	11270 (23)	7170 (33)	18.9 (12)	4.9 (29)	83 (7)	1 (11)	36 (26)
08Y3017	M	9050 (30)	7270 (32)	9330 (27)	11400 (21)	8210 (20)	17.3 (25)	5.0 (3)	83 (7)	2 (14)	35 (16)
07Y204	MPQ	9050 (31)	8820 (8)	9330 (26)	10860 (32)	7200 (32)	19.4 (6)	4.9 (13)	90 (26)	3 (21)	35 (23)
CH-201	SPQ	8610 (32)	7370 (30)	8300 (33)	11090 (28)	7670 (28)	17.4 (24)	5.0 (7)	91 (30)	5 (27)	34 (12)
08Y2046	SPQ	8590 (33)	7770 (27)	8300 (34)	11210 (26)	7080 (34)	16.2 (32)	4.8 (32)	85 (13)	5 (27)	33 (5)
08Y2011	MPQ	8450 (34)	7000 (33)	8880 (31)	10630 (33)	7290 (31)	18.1 (17)	4.9 (18)	85 (11)	3 (17)	33 (2)
MEAN		9470	8350	9680	11620	8220	18.1	4.9	87	4	35
CV		4.7	7.3	3.5	3.4	5.0	3.5	1.1	0.8	188.8	4.1
LSD (.05)		440	1240	690	800	830	0.6	0.1	1	8	1

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex., SR = stem rot 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 4. 2009 Very Early Rice Variety Test - Biggs (RES)

Advanced Lines and Varieties

Variety	Grain Type	Grain Yield	Grain	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		at 14% Moisture lbs/acre	Moisture at Harvest (%)				
06Y575	LR	10710 (1)	16.0 (6)	4.8 (3)	87 (16)	15 (12)	41 (17)
08Y1009	LSR	10520 (2)	15.7 (8)	4.7 (8)	85 (15)	0 (1)	36 (8)
06Y513	L	10030 (3)	14.6 (15)	4.7 (8)	85 (13)	0 (1)	35 (4)
07Y508	L	9840 (4)	15.4 (11)	4.8 (5)	81 (11)	0 (1)	38 (14)
L206	L	9710 (5)	14.5 (16)	4.5 (16)	81 (10)	0 (1)	33 (1)
L205	LR	9430 (6)	15.9 (7)	4.4 (17)	89 (17)	3 (5)	36 (9)
M206	M	8940 (7)	16.9 (3)	4.8 (6)	79 (7)	18 (13)	38 (13)
04Y332-1	MPQ	8640 (8)	17.6 (1)	4.8 (3)	85 (13)	4 (7)	35 (4)
S-102	S	8230 (9)	13.9 (17)	4.6 (15)	78 (2)	8 (11)	36 (9)
05Y471E	M	8170 (10)	16.6 (5)	4.7 (12)	79 (4)	5 (8)	36 (11)
M202	M	8080 (11)	15.5 (10)	4.7 (10)	83 (12)	38 (15)	38 (15)
05Y471L	M	8050 (12)	17.1 (2)	4.7 (11)	79 (4)	5 (8)	37 (12)
04Y177	SPQ	8020 (13)	14.8 (14)	4.7 (12)	80 (9)	60 (16)	35 (2)
07Y186	MPQ	7970 (14)	15.6 (9)	4.9 (1)	78 (3)	3 (5)	36 (7)
CM-101	SWX	7640 (15)	15.4 (12)	4.6 (14)	79 (6)	28 (14)	35 (4)
06Y175	MPQ	7470 (16)	16.8 (4)	4.9 (1)	80 (8)	75 (17)	39 (16)
M104	M	7180 (17)	15.1 (13)	4.8 (6)	76 (1)	5 (8)	35 (3)
MEAN		8740	15.7	4.7	81	16	37
CV		8.3	4.6	1.5	0.9	96.1	3.9
LSD (.05)		1030	1	0.1	1	21	2

Preliminary Lines and Varieties

09Y026	L	9720 (1)	15.2 (16)	4.8 (7)	86 (32)	0 (1)	33 (7)
09Y024	L	9470 (2)	15.7 (9)	4.7 (23)	86 (32)	8 (18)	34 (12)
08Y1104	L	9470 (3)	14.0 (31)	4.8 (14)	86 (32)	0 (1)	32 (3)
09Y025	L	9360 (4)	14.9 (20)	4.9 (3)	83 (27)	8 (18)	36 (29)
08Y2048	SSR	8960 (5)	15.3 (14)	4.2 (34)	79 (13)	0 (1)	34 (12)
08Y1048	L	8900 (6)	15.3 (15)	4.6 (28)	85 (30)	0 (1)	35 (20)
08Y2049	SSR	8860 (7)	14.3 (29)	4.6 (28)	79 (13)	5 (14)	33 (4)
07Y204	MPQ	8820 (8)	16.0 (5)	4.8 (14)	82 (25)	10 (22)	37 (32)
07Y732	M	8800 (9)	16.7 (2)	4.8 (7)	80 (20)	15 (27)	33 (10)
08Y2042	SPQ	8750 (10)	14.8 (22)	4.6 (25)	80 (18)	0 (1)	33 (8)
08Y3026	M	8740 (11)	17.2 (1)	4.9 (1)	79 (9)	10 (22)	36 (31)
08Y3117	M	8720 (12)	16.7 (2)	4.7 (23)	79 (13)	15 (27)	36 (27)
08Y1047	L	8700 (13)	14.8 (22)	4.6 (25)	81 (23)	0 (1)	35 (20)
08Y3114	M	8700 (13)	16.2 (4)	4.8 (14)	79 (13)	15 (27)	35 (24)
08Y1027	L	8700 (15)	15.7 (10)	4.6 (25)	85 (29)	0 (1)	36 (27)
08Y2044	SPQ	8660 (16)	14.5 (26)	4.8 (7)	81 (23)	20 (32)	33 (10)
07Y843	M	8530 (17)	15.5 (12)	4.9 (3)	78 (7)	0 (1)	36 (29)
08Y2037	SPQ	8330 (18)	13.7 (33)	4.5 (31)	79 (9)	3 (11)	35 (20)
08Y1059	LSR	8280 (19)	14.8 (22)	4.5 (32)	82 (26)	0 (1)	34 (16)
08Y2025	S	8250 (20)	15.0 (19)	4.5 (32)	80 (18)	10 (22)	35 (19)
08Y3015	M	8240 (21)	14.7 (25)	4.9 (1)	77 (4)	5 (14)	33 (4)
09Y023	LSR	8140 (22)	15.9 (6)	4.8 (14)	84 (28)	5 (14)	34 (16)
08Y3125	M	8010 (23)	15.9 (7)	4.8 (14)	79 (9)	10 (22)	37 (33)
M206	M	7980 (24)	15.9 (7)	4.8 (14)	79 (13)	10 (22)	35 (23)
07Y255	M	7860 (25)	14.9 (21)	4.8 (7)	77 (5)	8 (18)	34 (14)
M203	MPQ	7830 (26)	15.6 (11)	4.8 (14)	80 (20)	100 (34)	38 (34)
08Y2046	SPQ	7770 (27)	14.1 (30)	4.6 (28)	80 (20)	15 (27)	31 (1)
08Y3020	M	7710 (28)	14.3 (28)	4.9 (3)	76 (1)	3 (11)	34 (14)
08Y3115	M	7580 (29)	15.5 (13)	4.7 (21)	79 (9)	25 (33)	35 (24)
CH-201	SPQ	7370 (30)	14.0 (31)	4.8 (7)	85 (30)	15 (27)	33 (8)
07Y1067	M	7350 (31)	15.1 (17)	4.8 (7)	76 (1)	3 (11)	36 (26)
08Y3017	M	7270 (32)	13.5 (34)	4.9 (3)	77 (5)	5 (14)	34 (18)
08Y2011	MPQ	7000 (33)	15.1 (17)	4.7 (21)	78 (7)	8 (18)	32 (2)
08Y3016	M	6920 (34)	14.5 (26)	4.8 (7)	76 (1)	0 (1)	33 (4)
MEAN		8350	15.1	4.7	80	10	34
CV		7.3	3.3	1.7	0.8	39.2	4.9
LSD (.05)		1240	1	0.2	1	8	

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex., SR = stem rot 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 5. 2009 Very Early Rice Variety Test - Sutter

<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)
06Y575	LR	10360 (1)	17.6 (17)	5.0 (1)	91 (12)	34 (17)	37 (15)
08Y1009	LSR	10280 (2)	20.4 (11)	5.0 (1)	91 (13)	1 (1)	35 (10)
07Y508	L	10230 (3)	20.5 (8)	5.0 (1)	85 (4)	1 (1)	37 (16)
05Y471E	M	10200 (4)	24.3 (2)	4.7 (16)	86 (6)	1 (1)	35 (9)
L206	L	10160 (5)	18.2 (15)	5.0 (12)	86 (6)	1 (1)	32 (1)
M104	M	10040 (6)	21.2 (6)	5.0 (1)	83 (3)	1 (1)	35 (8)
06Y513	L	9820 (7)	17.9 (16)	5.0 (1)	91 (13)	1 (1)	33 (3)
05Y471L	M	9800 (8)	23.1 (4)	4.4 (17)	87 (10)	1 (1)	35 (13)
L205	LR	9630 (9)	18.3 (14)	5.0 (1)	94 (16)	3 (12)	34 (6)
M206	M	9390 (10)	22.7 (5)	5.0 (12)	88 (11)	1 (1)	35 (11)
06Y175	MPQ	9130 (11)	23.5 (3)	5.0 (1)	87 (9)	22 (16)	38 (17)
M202	M	9070 (12)	25.0 (1)	5.0 (12)	91 (13)	1 (1)	34 (4)
04Y332-1	MPQ	9030 (13)	20.8 (7)	5.0 (1)	95 (17)	2 (11)	34 (7)
07Y186	MPQ	8880 (14)	20.4 (10)	5.0 (1)	86 (6)	1 (1)	35 (12)
04Y177	SPQ	8580 (15)	20.4 (9)	5.0 (12)	85 (4)	4 (13)	33 (2)
S-102	S	8480 (16)	18.4 (13)	5.0 (1)	77 (1)	5 (14)	35 (13)
CM-101	SWX	7870 (17)	19.7 (12)	5.0 (11)	80 (2)	6 (15)	34 (5)
MEAN		9470	20.7	4.9	87	5	35
CV		5.6	5.6	2.1	0.6	215.4	3.2
LSD (.05)		760	1.6	0.1	1	16	2
<i>Preliminary Lines and Varieties</i>							
08Y2044	SPQ	10720 (1)	19.5 (29)	5.0 (1)	91 (28)	50 (34)	35 (21)
08Y1104	L	10670 (2)	17.6 (34)	5.0 (1)	95 (34)	1 (1)	36 (30)
07Y1067	M	10540 (3)	20.7 (19)	5.0 (1)	83 (12)	1 (1)	37 (31)
08Y1047	L	10540 (4)	19.3 (30)	5.0 (1)	81 (6)	1 (1)	34 (10)
08Y3115	M	10360 (5)	23.4 (4)	5.0 (1)	86 (19)	36 (32)	35 (19)
09Y026	L	10340 (6)	21.1 (17)	5.0 (1)	94 (32)	1 (1)	33 (2)
07Y843	M	10230 (7)	23.8 (2)	5.0 (1)	84 (15)	1 (1)	36 (25)
08Y3117	M	10130 (8)	21.3 (16)	5.0 (1)	86 (19)	1 (1)	35 (21)
08Y3020	M	9980 (9)	21.7 (11)	5.0 (1)	80 (1)	1 (1)	35 (21)
08Y3015	M	9960 (10)	20.7 (20)	5.0 (1)	81 (6)	1 (1)	34 (9)
08Y3016	M	9940 (11)	21.5 (15)	5.0 (1)	81 (6)	1 (1)	35 (18)
09Y023	LSR	9900 (12)	22.5 (9)	5.0 (1)	91 (28)	1 (1)	34 (14)
08Y3125	M	9870 (13)	23.1 (6)	4.9 (31)	86 (23)	1 (1)	36 (24)
08Y1027	L	9860 (14)	20.0 (25)	5.0 (1)	85 (16)	1 (1)	37 (32)
07Y732	M	9850 (15)	21.7 (13)	5.0 (1)	91 (27)	1 (1)	33 (6)
08Y1048	L	9810 (16)	18.9 (31)	5.0 (1)	87 (25)	1 (1)	34 (10)
07Y255	M	9790 (17)	21.7 (13)	5.0 (1)	80 (3)	1 (1)	35 (19)
08Y2025	S	9760 (18)	20.3 (24)	5.0 (1)	81 (6)	1 (1)	37 (33)
M203	MPQ	9580 (19)	22.9 (8)	5.0 (1)	86 (19)	46 (33)	38 (34)
08Y2037	SPQ	9550 (20)	23.0 (7)	5.0 (1)	82 (11)	1 (1)	36 (29)
08Y3114	M	9550 (21)	23.5 (3)	5.0 (1)	85 (16)	3 (30)	36 (25)
08Y1059	LSR	9480 (22)	19.9 (27)	5.0 (1)	86 (19)	1 (1)	34 (14)
08Y3026	M	9430 (23)	22.1 (10)	5.0 (1)	86 (23)	1 (1)	35 (17)
09Y025	L	9420 (24)	20.3 (23)	5.0 (1)	85 (16)	1 (1)	36 (25)
08Y2049	SSR	9370 (25)	19.9 (28)	5.0 (1)	81 (6)	11 (31)	33 (4)
07Y204	MPQ	9330 (26)	24.2 (1)	5.0 (1)	91 (28)	1 (1)	34 (14)
08Y3017	M	9330 (27)	20.6 (21)	5.0 (1)	83 (12)	1 (1)	34 (13)
M206	M	9290 (28)	23.3 (5)	4.9 (31)	88 (26)	1 (1)	34 (12)
08Y2042	SPQ	9220 (29)	19.9 (26)	5.0 (1)	83 (14)	1 (1)	33 (4)
08Y2048	SSR	9000 (30)	21.7 (12)	4.9 (31)	80 (1)	1 (1)	33 (8)
08Y2011	MPQ	8880 (31)	20.5 (22)	5.0 (1)	80 (3)	1 (1)	33 (2)
09Y024	L	8820 (32)	17.7 (33)	5.0 (1)	94 (32)	1 (1)	33 (6)
CH-201	SPQ	8300 (33)	21.0 (18)	5.0 (1)	92 (31)	1 (1)	36 (25)
08Y2046	SPQ	8300 (34)	18.1 (32)	4.8 (34)	80 (3)	1 (1)	32 (1)
MEAN		9680	21.1	5.0	85	5	35
CV		3.5	3.3	0.8	0.7	300.7	2.8
LSD (.05)		690	1.4	0.1	1		2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex., SR = stem rot 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 6. 2009 Very Early Rice Variety Test - Yolo

Advanced Lines and Varieties

Variety	Grain Type	Grain Yield	Grain	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		at 14% Moisture lbs/acre	Moisture at Harvest (%)				
06Y575	LR	12920 (1)	16.2 (10)	5.0 (1)	86 (11)	1 (1)	41 (13)
M206	M	12570 (2)	20.3 (3)	5.0 (1)	86 (11)	1 (1)	40 (10)
07Y508	L	12420 (3)	16.0 (12)	5.0 (1)	80 (3)	1 (1)	41 (14)
05Y471E	M	12210 (4)	18.0 (7)	4.9 (17)	80 (5)	1 (1)	42 (16)
05Y471L	M	12100 (5)	19.2 (5)	5.0 (14)	80 (3)	1 (1)	40 (12)
S-102	S	11930 (6)	15.5 (14)	5.0 (1)	79 (2)	1 (1)	40 (10)
M104	M	11770 (7)	17.6 (8)	5.0 (1)	79 (1)	1 (1)	39 (8)
04Y177	SPQ	11690 (8)	17.0 (9)	5.0 (1)	84 (7)	1 (1)	38 (5)
M202	M	11400 (9)	21.0 (1)	5.0 (1)	89 (16)	1 (1)	41 (15)
08Y1009	LSR	11330 (10)	16.0 (11)	5.0 (1)	86 (9)	1 (1)	37 (2)
L205	LR	11220 (11)	14.7 (17)	5.0 (14)	87 (14)	1 (1)	37 (3)
06Y513	L	10890 (12)	15.3 (16)	5.0 (1)	89 (15)	1 (1)	37 (4)
L206	L	10880 (13)	15.6 (13)	5.0 (14)	86 (11)	1 (1)	35 (1)
CM-101	SWX	10760 (14)	15.5 (15)	5.0 (1)	81 (6)	1 (1)	38 (6)
07Y186	MPQ	10720 (15)	18.2 (6)	5.0 (1)	86 (10)	1 (1)	39 (9)
04Y332-1	MPQ	10600 (16)	20.6 (2)	5.0 (1)	91 (17)	1 (1)	38 (7)
06Y175	MPQ	10510 (17)	19.9 (4)	5.0 (1)	85 (8)	1 (1)	42 (17)
MEAN		11530	17.4	5.0	84	1	39
CV		3.7	6	1.1	1.5		3.2
LSD (.05)		610	1.5		2		2

Preliminary Lines and Varieties

M206	M	12690 (1)	19.9 (2)	5.0 (1)	88 (30)	1 (1)	42 (33)
08Y3117	M	12540 (2)	19.2 (7)	5.0 (1)	87 (24)	1 (1)	41 (31)
08Y3026	M	12530 (3)	18.2 (10)	5.0 (1)	87 (24)	1 (1)	39 (15)
08Y3114	M	12450 (4)	19.5 (5)	5.0 (1)	87 (24)	1 (1)	38 (6)
09Y025	L	12380 (5)	14.5 (30)	5.0 (1)	81 (9)	1 (1)	38 (11)
09Y026	L	12320 (6)	16.8 (15)	5.0 (1)	88 (30)	1 (1)	36 (4)
07Y843	M	12240 (7)	19.6 (4)	5.0 (1)	85 (19)	1 (1)	41 (29)
09Y024	L	12200 (8)	13.9 (34)	5.0 (1)	86 (20)	1 (1)	34 (1)
08Y3125	M	12200 (9)	19.7 (3)	5.0 (1)	86 (20)	1 (1)	43 (34)
08Y1047	L	12130 (10)	14.3 (32)	5.0 (1)	83 (18)	1 (1)	38 (11)
07Y732	M	11910 (11)	19.3 (6)	5.0 (1)	86 (20)	1 (1)	42 (32)
08Y1059	LSR	11870 (12)	14.3 (31)	5.0 (1)	81 (11)	1 (1)	40 (24)
09Y023	LSR	11850 (13)	16.2 (23)	5.0 (1)	87 (24)	1 (1)	40 (23)
08Y2049	SSR	11710 (14)	18.8 (8)	4.8 (33)	82 (13)	1 (1)	38 (6)
07Y1067	M	11690 (15)	16.4 (21)	5.0 (1)	80 (8)	1 (1)	40 (21)
08Y1104	L	11640 (16)	14.1 (33)	5.0 (1)	88 (29)	1 (1)	35 (2)
08Y2044	SPQ	11550 (17)	15.8 (26)	4.9 (32)	87 (28)	1 (1)	38 (9)
08Y3015	M	11490 (18)	16.7 (18)	5.0 (1)	79 (3)	1 (1)	39 (18)
08Y1027	L	11440 (19)	15.5 (28)	5.0 (1)	82 (14)	1 (1)	39 (20)
08Y2042	SPQ	11410 (20)	16.7 (19)	5.0 (1)	81 (9)	1 (1)	38 (11)
08Y3017	M	11400 (21)	16.6 (20)	5.0 (1)	79 (3)	1 (1)	41 (29)
08Y3016	M	11320 (22)	16.4 (22)	5.0 (1)	79 (3)	1 (1)	39 (15)
08Y2037	SPQ	11270 (23)	18.2 (11)	5.0 (1)	79 (3)	1 (1)	40 (26)
08Y3020	M	11250 (24)	16.2 (25)	5.0 (1)	78 (2)	1 (1)	38 (9)
08Y2048	SSR	11210 (25)	17.3 (14)	4.8 (33)	79 (3)	1 (1)	37 (5)
08Y2046	SPQ	11210 (26)	15.5 (29)	5.0 (1)	83 (16)	1 (1)	39 (14)
07Y255	M	11200 (27)	16.2 (24)	5.0 (1)	81 (11)	1 (1)	39 (15)
CH-201	SPQ	11090 (28)	16.7 (17)	5.0 (1)	86 (20)	1 (1)	39 (18)
M203	MPQ	11080 (29)	20.7 (1)	5.0 (1)	89 (33)	1 (1)	40 (24)
08Y2025	S	10930 (30)	17.7 (12)	5.0 (1)	82 (14)	1 (1)	40 (21)
08Y3115	M	10920 (31)	17.4 (13)	5.0 (1)	83 (16)	1 (1)	40 (26)
07Y204	MPQ	10860 (32)	18.4 (9)	5.0 (1)	89 (33)	1 (1)	40 (28)
08Y2011	MPQ	10630 (33)	16.7 (16)	5.0 (1)	77 (1)	1 (1)	38 (6)
08Y1048	L	10460 (34)	15.6 (27)	5.0 (1)	88 (30)	1 (1)	35 (2)
MEAN		11620	17.0	5.0	83	1	39
CV		3.4	3.5	1.3	0.9		4.3
LSD (.05)		800	1.2		2		3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex., SR = stem rot 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 7. 2009 Very Early Rice Variety Test - San Joaquin

Advanced Lines and Varieties

Variety	Grain Type	Grain Yield	Grain	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		at 14% Moisture lbs/acre	Moisture at Harvest (%)				
06Y575	LR	9500 (1)	18.4 (7)	5.0 (1)	99 (11)	1 (1)	32 (16)
07Y508	L	9160 (2)	17.5 (13)	5.0 (1)	97 (6)	1 (1)	33 (17)
M202	M	8720 (3)	21.9 (2)	5.0 (1)	104 (16)	1 (1)	32 (13)
M104	M	8530 (4)	19.4 (6)	5.0 (1)	91 (2)	1 (1)	30 (8)
M206	M	8440 (5)	20.5 (4)	5.0 (1)	98 (9)	1 (1)	31 (11)
06Y513	L	8430 (6)	17.5 (12)	5.0 (1)	101 (14)	1 (1)	30 (5)
04Y332-1	MPQ	8380 (7)	22.9 (1)	5.0 (1)	109 (17)	1 (1)	30 (6)
05Y471E	M	8200 (8)	18.1 (9)	5.0 (1)	94 (4)	1 (1)	31 (12)
05Y471L	M	8170 (9)	17.8 (10)	5.0 (1)	92 (3)	1 (1)	30 (7)
L206	L	8120 (10)	16.9 (16)	5.0 (1)	98 (8)	1 (1)	28 (1)
07Y186	MPQ	7830 (11)	19.6 (5)	5.0 (1)	98 (9)	1 (1)	32 (15)
CM-101	SWX	7650 (12)	17.3 (15)	5.0 (1)	97 (7)	1 (1)	30 (9)
04Y177	SPQ	7620 (13)	18.3 (8)	5.0 (1)	95 (5)	1 (1)	29 (3)
06Y175	MPQ	7510 (14)	21.4 (3)	5.0 (1)	100 (12)	1 (1)	32 (13)
08Y1009	LSR	7500 (15)	17.7 (11)	5.0 (1)	101 (13)	1 (1)	29 (4)
S-102	S	7480 (16)	16.1 (17)	5.0 (1)	90 (1)	1 (1)	31 (10)
L205	LR	6970 (17)	17.5 (14)	5.0 (1)	101 (15)	1 (1)	29 (2)
MEAN		8130	18.8	5.0	98	1	30
CV		4.4	3.5		1.1		3.6
LSD (.05)		510	0.9		2		2

Preliminary Lines and Varieties

07Y843	M	9180 (1)	22.0 (3)	5.0 (1)	98 (14)	1 (1)	31 (26)
09Y025	L	9010 (2)	16.7 (33)	5.0 (1)	99 (20)	1 (1)	30 (12)
08Y3114	M	8990 (3)	19.5 (15)	5.0 (1)	98 (14)	1 (1)	31 (18)
M203	MPQ	8970 (4)	23.1 (1)	5.0 (1)	106 (34)	1 (1)	35 (34)
09Y024	L	8900 (5)	17.8 (29)	5.0 (1)	102 (28)	1 (1)	29 (2)
07Y1067	M	8840 (6)	18.5 (25)	5.0 (1)	93 (9)	1 (1)	31 (16)
08Y3020	M	8730 (7)	18.8 (19)	5.0 (1)	92 (5)	1 (1)	31 (18)
09Y026	L	8660 (8)	20.7 (5)	5.0 (1)	103 (30)	1 (1)	30 (14)
08Y1047	L	8650 (9)	16.6 (34)	5.0 (1)	93 (9)	1 (1)	31 (16)
08Y3125	M	8640 (10)	19.6 (12)	5.0 (1)	99 (21)	1 (1)	32 (29)
08Y2049	SSR	8630 (11)	20.7 (6)	5.0 (1)	92 (6)	1 (1)	30 (11)
M206	M	8520 (12)	19.6 (14)	5.0 (1)	98 (14)	1 (1)	31 (26)
08Y3016	M	8520 (13)	18.8 (21)	5.0 (1)	91 (1)	1 (1)	30 (7)
08Y1048	L	8430 (14)	17.6 (30)	5.0 (1)	101 (27)	1 (1)	29 (6)
08Y1059	LSR	8360 (15)	17.9 (27)	5.0 (1)	98 (14)	1 (1)	31 (18)
07Y255	M	8330 (16)	19.6 (11)	5.0 (1)	91 (3)	1 (1)	29 (5)
08Y3015	M	8310 (17)	18.6 (24)	5.0 (1)	91 (1)	1 (1)	30 (9)
08Y1027	L	8280 (18)	17.8 (28)	5.0 (1)	98 (14)	1 (1)	31 (18)
08Y3117	M	8260 (19)	19.9 (10)	5.0 (1)	98 (14)	1 (1)	32 (32)
08Y3017	M	8210 (20)	18.7 (22)	5.0 (1)	94 (11)	1 (1)	30 (7)
08Y3115	M	8090 (21)	20.1 (9)	5.0 (1)	98 (13)	1 (1)	31 (23)
07Y732	M	8060 (22)	19.1 (18)	5.0 (1)	99 (21)	1 (1)	31 (26)
08Y3026	M	8050 (23)	18.6 (23)	5.0 (1)	100 (26)	1 (1)	32 (30)
08Y2044	SPQ	7990 (24)	19.3 (16)	5.0 (1)	102 (28)	1 (1)	32 (30)
08Y2042	SPQ	7900 (25)	19.6 (13)	5.0 (1)	93 (7)	1 (1)	30 (9)
09Y023	LSR	7900 (26)	21.1 (4)	5.0 (1)	103 (30)	1 (1)	31 (23)
08Y2025	S	7710 (27)	22.2 (2)	5.0 (1)	99 (21)	1 (1)	32 (33)
CH-201	SPQ	7670 (28)	18.0 (26)	5.0 (1)	99 (21)	1 (1)	28 (1)
08Y1104	L	7520 (29)	16.9 (32)	5.0 (1)	103 (30)	1 (1)	29 (2)
08Y2048	SSR	7470 (30)	18.8 (20)	5.0 (1)	91 (3)	1 (1)	31 (23)
08Y2011	MPQ	7290 (31)	20.2 (8)	5.0 (1)	104 (33)	1 (1)	29 (2)
07Y204	MPQ	7200 (32)	19.2 (17)	5.0 (1)	99 (21)	1 (1)	30 (12)
08Y2037	SPQ	7170 (33)	20.6 (7)	5.0 (1)	93 (7)	1 (1)	31 (18)
08Y2046	SPQ	7080 (34)	17.1 (31)	5.0 (1)	97 (12)	1 (1)	30 (14)
MEAN		8220	19.2	5.0	97	1	31
CV		5	3.8		0.8		4
LSD (.05)		830	1.5		2		3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex., SR = stem rot 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 8. Grain Yield (lb/acre @ 14% moisture) Summary of Very Early Rice Varieties by Location and Year (2005-2009)

Location	Year	M-104	M-202	M-206	Calmochi			
					101	S-102	L-205	L-206
Biggs (RES)	2005	5860	7560	7970	7220	8350	8920	8400
	2006	7970	8960	9280	8490	9170	9350	9990
	2007	8930	10250	11030	6740	10730	9550	10360
	2008	10000	10170	10900	9960	10240	10010	11180
	2009	7180	8080	8940	7640	8230	9430	9710
Location Mean		7988	9004	9624	8010	9344	9452	9928
Sutter	2005	7800	7220	7570	7090	8510	7440	7310
	2006	8480	8580	8780	8640	9780	7970	9030
	2007	10680	10740	11250	11140	11100	10000	10440
	2008	10100	9540	9800	10010	10190	9490	9840
	2009	10040	9070	9390	7870	8480	9070	10160
Location Mean		9420	9030	9358	8950	9612	8794	9356
Yolo	2005	8830	9750	9600	8800	9460	9740	9640
	2006	8020	8700	8360	7610	8730	8570	8290
	2007	7510	7220	7350	7500	7140	7010	7520
	2008	9930	10140	10480	9830	10340	9590	10210
	2009	11770	11400	12570	10760	11930	11220	10880
Location Mean		9212	9442	9672	8900	9520	9226	9308
San Joaquin	2005	7810	7530	7550	8480	8430	7450	7190
	2006*	-	-	-	-	-	-	-
	2007	9050	6130	9380	9650	10340	7430	9850
	2008	9780	7770	9360	9470	10000	7580	8160
	2009	8530	8720	8440	7650	7480	6970	8120
Location Mean		8793	7538	8683	8813	9063	7358	8330
Loc/Years Mean		8856	8817	9368	8661	9402	8778	9278
Yield % M-104		100.0	99.6	105.8	97.8	106.2	99.1	104.8
Number of Tests		19	19	19	19	19	19	19

* Test location not planted in 2006.

Table 9. 2009 Early Rice Variety Tests - Four Location Summary

<i>Advanced Lines and Varieties</i>												
Variety	Grain Type	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)
		Biggs	Butte	Yuba	Colusa							
08Y1092	LR	10170 (1)	11410 (1)	10210 (1)	9510 (1)	9550 (2)	13.7 (16)	4.9 (8)	82 (8)	8 (1)	36 (3)	
08Y1048	L	9690 (2)	11400 (2)	9620 (5)	8850 (6)	8910 (7)	14.4 (13)	4.9 (9)	82 (9)	17 (2)	36 (4)	
L206	L	9550 (3)	10840 (3)	9610 (6)	9150 (3)	8600 (12)	13.5 (17)	4.9 (12)	81 (7)	19 (4)	35 (1)	
06Y513	L	9510 (4)	10680 (4)	9320 (8)	9220 (2)	8830 (9)	13.4 (18)	5.0 (5)	86 (12)	19 (3)	35 (2)	
M205	M	9430 (5)	9430 (9)	9830 (3)	8790 (7)	9680 (1)	17.4 (2)	4.9 (10)	90 (17)	25 (5)	37 (6)	
06Y575	LR	9230 (6)	10480 (5)	9130 (9)	8870 (5)	8440 (15)	14.0 (14)	5.0 (4)	84 (10)	41 (9)	41 (18)	
04Y308	MPQ	9140 (7)	9050 (13)	9880 (2)	8560 (9)	9080 (3)	16.3 (7)	5.0 (1)	87 (15)	43 (11)	38 (10)	
06Y322	MPQ	9090 (8)	9420 (10)	8830 (11)	9070 (4)	9060 (4)	15.8 (9)	5.0 (2)	87 (16)	46 (15)	37 (9)	
L205	LR	8840 (9)	9570 (8)	8790 (12)	8570 (8)	8420 (16)	13.9 (15)	4.9 (14)	86 (11)	29 (6)	37 (7)	
M208	M	8810 (10)	9170 (11)	9400 (7)	7930 (14)	8730 (11)	16.1 (8)	5.0 (3)	87 (14)	43 (14)	39 (13)	
04Y332-1	MPQ	8810 (11)	9590 (7)	9020 (10)	7700 (16)	8930 (6)	18.1 (1)	4.9 (11)	92 (18)	47 (16)	37 (8)	
M202	M	8780 (12)	8940 (15)	9690 (4)	7940 (13)	8560 (13)	17.0 (3)	4.9 (6)	86 (13)	48 (17)	39 (16)	
M206	M	8780 (13)	9080 (12)	8710 (14)	8530 (10)	8800 (10)	16.3 (6)	4.9 (6)	81 (6)	43 (12)	39 (14)	
05Y471L	M	8590 (14)	9030 (14)	8560 (16)	7810 (15)	8960 (5)	16.4 (5)	4.9 (12)	78 (2)	39 (8)	40 (17)	
05Y471E	M	8560 (15)	8690 (17)	8530 (17)	8160 (11)	8880 (8)	16.8 (4)	4.7 (17)	79 (3)	34 (7)	39 (15)	
S-102	S	8400 (16)	9700 (6)	7800 (18)	7950 (12)	8130 (17)	14.9 (12)	4.8 (16)	75 (1)	42 (10)	39 (12)	
04Y177A	SPQ	8220 (17)	8280 (18)	8590 (15)	7490 (17)	8530 (14)	15.6 (10)	4.5 (18)	81 (5)	58 (18)	36 (5)	
CM-101	SWX	7780 (18)	8700 (16)	8740 (13)	6670 (18)	6990 (18)	15.3 (11)	4.8 (15)	79 (4)	43 (13)	38 (11)	
MEAN		8970	9640	9130	8380	8730	15.5	4.9	83	36	38	
CV		7.1	5.8	8.6	7.2	6.5	5.9	3.1	1.3	35	3.5	
LSD (.05)		440	790	1110	850	800	0.6	0.1	1	9	1	
<i>Preliminary Lines and Varieties</i>												
08Y084	L	9980 (1)	10360 (3)	10910 (2)	9690 (1)	8980 (4)	13.8 (29)	5.0 (11)	84 (24)	32 (13)	38 (20)	
07Y526	LJ	9870 (2)	10780 (1)	11020 (1)	9160 (7)	8500 (8)	13.3 (32)	4.9 (32)	86 (32)	19 (10)	38 (27)	
08Y1009	LSR	9530 (3)	10690 (2)	9970 (4)	8330 (23)	9140 (2)	13.1 (34)	5.0 (8)	83 (20)	18 (9)	35 (2)	
07Y599	LJ	9430 (4)	9910 (5)	9820 (5)	9060 (9)	8930 (5)	12.6 (36)	5.0 (7)	84 (23)	7 (7)	37 (12)	
07Y293	SPQ	9120 (5)	9240 (9)	9530 (8)	9250 (6)	8450 (9)	16.0 (3)	4.9 (13)	82 (16)	35 (17)	36 (4)	
07Y603	LA	9080 (6)	9380 (8)	9790 (6)	8670 (17)	8500 (7)	13.1 (35)	4.9 (13)	83 (22)	4 (5)	36 (10)	
07Y255	M	9010 (7)	8000 (23)	9320 (14)	9650 (2)	9060 (3)	16.0 (4)	5.0 (1)	81 (5)	34 (15)	38 (29)	
07Y257	M	8990 (8)	8040 (20)	9450 (12)	9340 (5)	9150 (1)	16.4 (1)	4.9 (13)	81 (8)	39 (20)	38 (17)	
08Y1167	L	8960 (9)	9400 (7)	10090 (3)	8630 (19)	7720 (15)	14.0 (28)	4.9 (29)	87 (35)	3 (3)	36 (3)	
A201	LA	8760 (10)	9960 (4)	9310 (16)	7960 (28)	7830 (14)	14.4 (26)	5.0 (2)	87 (35)	3 (3)	38 (18)	
08Y2098	MPQ	8610 (11)	8610 (14)	9460 (11)	8680 (16)	7590 (21)	14.6 (25)	5.0 (6)	85 (28)	47 (32)	40 (35)	
M203	MPQ	8550 (12)	8810 (12)	8890 (29)	9070 (8)	7450 (26)	15.6 (14)	4.9 (13)	84 (24)	80 (36)	40 (36)	
07Y489	LA	8520 (13)	8930 (11)	9420 (13)	8080 (27)	7670 (19)	13.6 (31)	5.0 (8)	77 (1)	2 (2)	36 (9)	
07Y3199	M	8510 (14)	8300 (17)	9640 (7)	8990 (12)	7120 (31)	15.7 (12)	4.9 (21)	81 (7)	45 (30)	39 (31)	
08Y3126	M	8500 (15)	7690 (27)	9460 (10)	9520 (4)	7360 (27)	15.0 (22)	4.9 (21)	81 (4)	45 (31)	38 (25)	
07Y280	M	8500 (16)	8000 (22)	9260 (19)	9020 (11)	7710 (16)	15.8 (10)	4.9 (31)	82 (18)	35 (16)	36 (6)	
07Y414	M	8440 (17)	8390 (15)	9260 (18)	8520 (21)	7590 (22)	15.9 (7)	4.8 (35)	82 (16)	43 (23)	40 (34)	
08Y3122	M	8440 (18)	7830 (26)	9060 (24)	8890 (15)	7970 (12)	15.8 (9)	4.9 (21)	81 (12)	32 (12)	39 (30)	
08Y3121	M	8420 (19)	8350 (16)	8930 (27)	9550 (3)	6840 (33)	15.3 (20)	4.9 (13)	81 (8)	42 (22)	38 (26)	
07Y1044	M	8380 (20)	7130 (34)	9160 (21)	8950 (13)	8290 (10)	15.3 (19)	4.9 (21)	83 (20)	40 (21)	37 (15)	
08Y2089	MPQ	8370 (21)	8060 (19)	8840 (30)	8360 (22)	8220 (11)	15.6 (13)	5.0 (8)	83 (19)	50 (34)	39 (32)	
07Y251	M	8350 (22)	7630 (29)	9510 (9)	8570 (20)	7680 (18)	15.5 (17)	4.9 (13)	81 (10)	44 (29)	38 (21)	
08Y3120	M	8330 (23)	7370 (32)	9310 (15)	9040 (10)	7610 (20)	16.1 (2)	4.9 (21)	81 (12)	43 (23)	38 (22)	
07Y253	M	8320 (24)	8010 (21)	9110 (22)	8640 (18)	7540 (24)	15.7 (11)	4.9 (32)	82 (14)	43 (23)	38 (24)	
M206	M	8220 (25)	7490 (30)	8890 (28)	8920 (14)	7570 (23)	15.3 (21)	4.9 (13)	81 (10)	43 (23)	37 (14)	
08Y1109	LJ	8180 (26)	9500 (6)	9030 (25)	7050 (34)	7130 (30)	13.2 (33)	4.9 (27)	86 (33)	16 (8)	37 (16)	
07Y350	S	8150 (27)	7900 (24)	9300 (17)	8170 (26)	7210 (29)	15.8 (8)	4.9 (27)	82 (14)	43 (23)	36 (8)	
08Y2087	MPQ	8110 (28)	7410 (31)	8770 (32)	8310 (24)	7940 (13)	14.7 (23)	5.0 (2)	84 (26)	49 (33)	38 (19)	
07Y832	M	8050 (29)	7040 (35)	9210 (20)	8250 (25)	7700 (17)	15.9 (6)	4.9 (29)	86 (31)	28 (11)	37 (11)	
CH-201	SPQ	8000 (30)	9090 (10)	8690 (33)	7350 (32)	6880 (32)	14.6 (24)	5.0 (2)	85 (29)	51 (35)	36 (7)	
07Y343	MPQ	7960 (31)	7850 (25)	8820 (31)	7870 (29)	7310 (28)	16.0 (5)	4.9 (13)	84 (27)	44 (28)	38 (23)	
08Y2096	MPQ	7930 (32)	7220 (33)	8340 (34)	7570 (31)	8600 (6)	15.3 (18)	5.0 (2)	81 (5)	38 (19)	38 (28)	
08Y1115	LA	7930 (33)	8740 (13)	9100 (23)	7650 (30)	6230 (34)	14.1 (27)	4.9 (21)	85 (29)	1 (1)	36 (4)	
07Y364	SLA	7580 (34)	6800 (36)	8940 (26)	7060 (33)	7500 (25)	15.6 (16)	4.9 (34)	80 (3)	33 (14)	37 (13)	
07Y369	SBG	7220 (35)	8080 (18)	8290 (35)	6850 (35)	5680 (35)	15.6 (15)	4.6 (36)	80 (2)	35 (17)	39 (33)	
CT202	LB	6730 (36)	7650 (28)	7780 (36)	5960 (36)	5510 (36)	13.6 (30)	5.0 (11)	86 (34)	5 (6)	34 (1)	
MEAN		8470	8430	9270	8460	7730	14.9	4.9	83	32	38	
CV		6.1	6.9	3.8	5.3	8.4	5.7	2.3	1.6	34.5	4.4	
LSD (.05)		510	1180	710	910	1310	0.8	0.1	1	11	2	

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; LA=low amalose; J=Jasmine; BG=bold grain; A = aromatic; B=Basmati.

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 10 . 2009 Early Rice Variety Test - Biggs

Advanced Lines and Varieties

Variety	Grain Type	Grain Yield	Grain	Seedling	Days to	Lodging	Plant
		at 14% Moisture lbs/acre	Moisture at Harvest (%)	Vigor (1-5)	50% Heading	(1-99)	Height (in)
08Y1092	LR	11410 (1)	11.5 (16)	4.7 (10)	82 (8)	0 (1)	36 (3)
08Y1048	L	11400 (2)	12.9 (11)	4.7 (10)	83 (11)	5 (2)	38 (14)
L206	L	10840 (3)	11.6 (14)	4.6 (16)	81 (6)	28 (3)	37 (7)
06Y513	L	10680 (4)	10.6 (18)	4.8 (5)	86 (17)	38 (6)	36 (6)
06Y575	LR	10480 (5)	12.4 (13)	4.9 (4)	84 (14)	65 (10)	41 (18)
S-102	S	9700 (6)	11.2 (17)	4.7 (13)	77 (1)	53 (8)	37 (13)
04Y332-1	MPQ	9590 (7)	16.9 (1)	4.8 (9)	86 (16)	88 (14)	37 (11)
L205	LR	9570 (8)	11.6 (15)	4.6 (18)	89 (18)	44 (7)	37 (8)
M205	M	9430 (9)	15.6 (2)	4.7 (13)	86 (15)	30 (4)	37 (8)
06Y322	MPQ	9420 (10)	13.8 (8)	4.9 (2)	84 (13)	91 (15)	38 (15)
M208	M	9170 (11)	13.3 (9)	4.9 (3)	83 (12)	93 (17)	39 (17)
M206	M	9080 (12)	15.3 (3)	4.8 (7)	80 (5)	71 (12)	37 (11)
04Y308	MPQ	9050 (13)	14.1 (7)	5.0 (1)	82 (8)	73 (13)	36 (4)
05Y471L	M	9030 (14)	14.9 (5)	4.8 (5)	78 (2)	53 (8)	37 (10)
M202	M	8940 (15)	14.8 (6)	4.8 (7)	83 (10)	96 (18)	39 (16)
CM-101	SWX	8700 (16)	13.1 (10)	4.7 (10)	78 (3)	68 (11)	36 (2)
05Y471E	M	8690 (17)	15.3 (4)	4.7 (13)	78 (3)	33 (5)	36 (5)
04Y177A	SPQ	8280 (18)	12.5 (12)	4.6 (17)	82 (7)	92 (16)	35 (1)
MEAN		9640	13.4	4.8	82	57	37
CV		5.8	5.3	2.1	0.7	25.6	4.1
LSD (.05)		790	1	0.1	1	21	2

Preliminary Lines and Varieties

07Y526	LJ	10780 (1)	11.7 (27)	4.5 (34)	86 (34)	0 (1)	37 (28)
08Y1009	LSR	10690 (2)	11.7 (27)	4.9 (8)	83 (29)	0 (1)	34 (13)
08Y084	L	10360 (3)	12.5 (17)	4.8 (11)	85 (33)	30 (11)	36 (27)
A201	LA	9960 (4)	12.1 (23)	5.0 (2)	89 (36)	0 (1)	38 (34)
07Y599	LJ	9910 (5)	10.9 (35)	4.9 (7)	82 (28)	0 (1)	33 (5)
08Y1109	LJ	9500 (6)	12.0 (24)	4.7 (29)	84 (31)	13 (9)	35 (19)
08Y1167	L	9400 (7)	11.4 (32)	4.6 (32)	86 (34)	0 (1)	34 (14)
07Y603	LA	9380 (8)	10.7 (36)	4.8 (13)	84 (32)	8 (8)	34 (9)
07Y293	SPQ	9240 (9)	11.4 (32)	4.8 (13)	78 (13)	40 (12)	32 (1)
CH-201	SPQ	9090 (10)	12.4 (20)	5.0 (2)	81 (24)	93 (34)	33 (2)
07Y489	LA	8930 (11)	11.9 (25)	4.9 (8)	80 (23)	5 (7)	33 (5)
M203	MPQ	8810 (12)	13.5 (10)	4.8 (13)	79 (16)	97 (35)	38 (35)
08Y1115	LA	8740 (13)	11.6 (29)	4.7 (21)	83 (30)	0 (1)	37 (28)
08Y2098	MPQ	8610 (14)	12.8 (16)	5.0 (6)	79 (16)	85 (32)	39 (36)
07Y414	M	8390 (15)	15.0 (2)	4.7 (21)	79 (16)	70 (23)	37 (28)
08Y3121	M	8350 (16)	13.6 (9)	4.8 (13)	78 (8)	65 (21)	36 (25)
07Y3199	M	8300 (17)	13.9 (6)	4.7 (21)	78 (8)	78 (30)	37 (31)
07Y369	SBG	8080 (18)	11.6 (29)	4.2 (36)	79 (16)	40 (12)	37 (31)
08Y2089	MPQ	8060 (19)	14.0 (4)	4.9 (8)	78 (8)	97 (35)	37 (33)
07Y257	M	8040 (20)	15.0 (1)	4.8 (13)	77 (4)	60 (19)	34 (15)
07Y253	M	8010 (21)	14.0 (5)	4.6 (32)	78 (8)	70 (23)	35 (21)
07Y280	M	8000 (22)	13.1 (12)	4.7 (29)	76 (2)	45 (15)	33 (5)
07Y255	M	8000 (23)	11.4 (31)	5.3 (1)	76 (2)	55 (18)	35 (21)
07Y350	S	7900 (24)	12.5 (17)	4.7 (29)	80 (22)	70 (23)	35 (17)
07Y343	MPQ	7850 (25)	14.3 (3)	4.8 (13)	81 (24)	75 (28)	35 (21)
08Y3122	M	7830 (26)	13.7 (8)	4.7 (21)	78 (13)	50 (16)	36 (25)
08Y3126	M	7690 (27)	12.4 (19)	4.7 (21)	77 (4)	80 (31)	35 (17)
CT202	LB	7650 (28)	10.9 (34)	4.8 (11)	82 (27)	15 (10)	35 (16)
07Y251	M	7630 (29)	13.9 (6)	4.8 (13)	77 (6)	75 (28)	36 (24)
M206	M	7490 (30)	13.0 (15)	4.8 (13)	78 (8)	70 (23)	34 (9)
08Y2087	MPQ	7410 (31)	12.4 (20)	5.0 (2)	79 (21)	90 (33)	35 (19)
08Y3120	M	7370 (32)	13.4 (11)	4.7 (21)	77 (6)	70 (23)	34 (9)
08Y2096	MPQ	7220 (33)	12.2 (22)	5.0 (2)	76 (1)	50 (16)	33 (5)
07Y1044	M	7130 (34)	11.8 (26)	4.7 (21)	79 (16)	60 (19)	33 (2)
07Y832	M	7040 (35)	13.0 (14)	4.7 (21)	81 (24)	40 (12)	34 (9)
07Y364	SLA	6800 (36)	13.1 (12)	4.5 (34)	78 (13)	65 (21)	33 (2)
MEAN		8430	12.6	4.8	80	49	35
CV		6.9	7.5	3.8	1.4	26.4	4.8
LSD (.05)		1180	1.9	0.4	2	26	3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; LA=low amaloose; J=Jasmine;
BG=bold grain; A = aromatic; B=Basmati.

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. 2009 Early Rice Variety Test - Butte

<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)
08Y1092	LR	10210 (1)	15.4 (15)	5.0 (1)	82 (10)	1 (1)	37 (3)
04Y308	MPQ	9880 (2)	18.0 (3)	5.0 (1)	86 (16)	1 (1)	38 (6)
M205	M	9830 (3)	18.9 (2)	5.0 (1)	91 (17)	1 (1)	39 (9)
M202	M	9690 (4)	17.8 (4)	5.0 (1)	84 (12)	1 (1)	41 (16)
08Y1048	L	9620 (5)	15.6 (14)	5.0 (1)	80 (8)	1 (1)	38 (5)
L206	L	9610 (6)	14.1 (18)	5.0 (1)	79 (4)	1 (1)	35 (1)
M208	M	9400 (7)	17.1 (7)	5.0 (1)	84 (12)	1 (1)	40 (14)
06Y513	L	9320 (8)	15.0 (17)	5.0 (1)	83 (11)	1 (1)	37 (4)
06Y575	LR	9130 (9)	15.7 (13)	5.0 (1)	81 (9)	1 (1)	42 (18)
04Y332-1	MPQ	9020 (10)	20.4 (1)	5.0 (1)	91 (18)	1 (1)	38 (8)
06Y322	MPQ	8830 (11)	17.0 (8)	5.0 (1)	85 (15)	1 (1)	38 (6)
L205	LR	8790 (12)	15.1 (16)	5.0 (1)	84 (12)	1 (1)	39 (10)
CM-101	SWX	8740 (13)	16.2 (12)	5.0 (16)	79 (5)	6 (17)	39 (13)
M206	M	8710 (14)	16.9 (10)	5.0 (1)	80 (7)	1 (1)	40 (15)
04Y177A	SPQ	8590 (15)	17.0 (9)	4.8 (18)	79 (5)	19 (18)	36 (2)
05Y471L	M	8560 (16)	17.5 (6)	5.0 (1)	74 (2)	2 (14)	41 (17)
05Y471E	M	8530 (17)	17.8 (5)	4.9 (17)	75 (3)	4 (16)	39 (10)
S-102	S	7800 (18)	16.3 (11)	5.0 (1)	71 (1)	3 (15)	39 (10)
MEAN		9130	16.8	5.0	82	3	39
CV		8.6	7.6	1.4	1.9	324.1	3.3
LSD (.05)		1110	1.8		2		2
<i>Preliminary Lines and Varieties</i>							
07Y526	LJ	11020 (1)	13.2 (30)	5.0 (1)	84 (25)	1 (1)	40 (27)
08Y084	L	10910 (2)	13.4 (28)	5.0 (1)	84 (25)	1 (1)	41 (29)
08Y1167	L	10090 (3)	13.5 (26)	5.0 (1)	85 (35)	1 (1)	38 (10)
08Y1009	LSR	9970 (4)	13.4 (29)	5.0 (1)	84 (29)	1 (1)	36 (1)
07Y599	LJ	9820 (5)	11.6 (36)	5.0 (1)	83 (21)	1 (1)	40 (24)
07Y603	LA	9790 (6)	13.0 (32)	5.0 (1)	84 (25)	1 (1)	38 (9)
07Y3199	M	9640 (7)	17.1 (3)	5.0 (1)	80 (7)	1 (1)	40 (18)
07Y293	SPQ	9530 (8)	17.5 (1)	5.0 (1)	82 (18)	1 (1)	38 (10)
07Y251	M	9510 (9)	16.3 (17)	5.0 (1)	81 (12)	1 (1)	38 (4)
08Y3126	M	9460 (10)	15.8 (22)	5.0 (1)	80 (2)	1 (1)	38 (10)
08Y2098	MPQ	9460 (11)	15.7 (23)	5.0 (1)	84 (29)	1 (1)	40 (24)
07Y257	M	9450 (12)	16.7 (9)	5.0 (1)	80 (2)	1 (1)	40 (23)
07Y489	LA	9420 (13)	12.9 (33)	5.0 (1)	73 (1)	1 (1)	38 (5)
07Y255	M	9320 (14)	16.7 (10)	5.0 (1)	80 (2)	1 (1)	40 (18)
08Y3120	M	9310 (15)	16.4 (15)	5.0 (1)	82 (15)	1 (1)	40 (24)
A201	LA	9310 (16)	13.4 (27)	5.0 (1)	84 (29)	1 (1)	38 (5)
07Y350	S	9300 (17)	16.9 (6)	5.0 (1)	82 (18)	1 (1)	38 (5)
07Y414	M	9260 (18)	16.7 (8)	4.9 (36)	80 (2)	1 (1)	41 (31)
07Y280	M	9260 (19)	15.9 (21)	5.0 (1)	82 (15)	1 (1)	40 (18)
07Y832	M	9210 (20)	16.8 (7)	5.0 (1)	83 (23)	1 (1)	38 (10)
07Y1044	M	9160 (21)	16.4 (16)	5.0 (1)	81 (12)	1 (1)	40 (18)
07Y253	M	9110 (22)	15.9 (20)	5.0 (1)	80 (7)	1 (1)	39 (15)
08Y1115	LA	9100 (23)	12.7 (34)	5.0 (1)	84 (25)	1 (1)	38 (5)
08Y3122	M	9060 (24)	16.4 (14)	5.0 (1)	80 (7)	1 (1)	39 (16)
08Y1109	LJ	9030 (25)	13.0 (31)	5.0 (1)	88 (36)	1 (1)	41 (30)
07Y364	SLA	8940 (26)	16.6 (11)	5.0 (1)	81 (12)	1 (1)	41 (34)
08Y3121	M	8930 (27)	16.6 (12)	5.0 (1)	80 (7)	1 (1)	40 (18)
M206	M	8890 (28)	16.9 (5)	5.0 (1)	81 (11)	1 (1)	39 (16)
M203	MPQ	8890 (29)	17.4 (2)	5.0 (1)	83 (23)	99 (36)	41 (31)
08Y2089	MPQ	8840 (30)	16.3 (18)	5.0 (1)	82 (15)	1 (1)	42 (35)
07Y343	MPQ	8820 (31)	16.5 (13)	5.0 (1)	82 (18)	1 (1)	41 (31)
08Y2087	MPQ	8770 (32)	15.6 (24)	5.0 (1)	83 (21)	6 (34)	39 (14)
CH-201	SPQ	8690 (33)	14.3 (25)	5.0 (1)	84 (29)	11 (35)	37 (3)
08Y2096	MPQ	8340 (34)	16.1 (19)	5.0 (1)	84 (29)	1 (1)	42 (36)
07Y369	SBG	8290 (35)	17.1 (4)	5.0 (1)	80 (2)	1 (1)	40 (27)
CT202	LB	7780 (36)	12.0 (35)	5.0 (1)	84 (29)	1 (1)	37 (2)
MEAN		9270	15.3	5.0	82	4	39
CV		3.8	2.9	0.2	1.5	59.6	3.7
LSD (.05)		710	0.9	0	3	5	3

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

BG=bold grain; A = aromatic; B=Basmati.

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. 2009 Early Rice Variety Test - 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)
08Y1092	LR	9510 (1)	13.5 (16)	5.0 (1)	81 (5)	29 (1)	34 (3)
06Y513	L	9220 (2)	13.7 (15)	5.0 (1)	86 (11)	35 (2)	34 (2)
L206	L	9150 (3)	13.4 (17)	5.0 (12)	81 (5)	46 (3)	34 (1)
06Y322	MPQ	9070 (4)	14.9 (8)	5.0 (1)	90 (15)	90 (8)	37 (7)
06Y575	LR	8870 (5)	13.1 (18)	5.0 (1)	86 (10)	97 (12)	40 (16)
08Y1048	L	8850 (6)	13.8 (14)	5.0 (12)	82 (9)	63 (4)	35 (4)
M205	M	8790 (7)	15.5 (3)	5.0 (1)	94 (17)	68 (5)	36 (5)
L205	LR	8570 (8)	14.5 (11)	4.9 (15)	87 (12)	70 (6)	38 (10)
04Y308	MPQ	8560 (9)	14.8 (9)	5.0 (1)	89 (13)	96 (11)	38 (11)
M206	M	8530 (10)	14.4 (12)	5.0 (1)	81 (7)	99 (14)	39 (14)
05Y471E	M	8160 (11)	15.2 (5)	5.0 (1)	80 (3)	99 (14)	40 (18)
S-102	S	7950 (12)	15.1 (7)	4.8 (17)	75 (1)	99 (14)	39 (13)
M202	M	7940 (13)	16.1 (1)	5.0 (1)	90 (16)	95 (10)	38 (12)
M208	M	7930 (14)	15.4 (4)	5.0 (1)	90 (14)	79 (7)	37 (9)
05Y471L	M	7810 (15)	13.9 (13)	5.0 (12)	80 (2)	99 (14)	40 (17)
04Y332-1	MPQ	7700 (16)	14.7 (10)	5.0 (1)	95 (18)	98 (13)	37 (8)
04Y177A	SPQ	7490 (17)	15.6 (2)	4.7 (18)	82 (8)	99 (14)	36 (6)
CM-101	SWX	6670 (18)	15.2 (6)	4.9 (16)	80 (4)	94 (9)	39 (15)
MEAN		8380	14.6	5.0	85	81	37
CV		7.2	6.1	1.4	1.4	20.3	3.6
LSD (.05)		850	1.3	0.1	2	23	2

Preliminary Lines and Varieties

07Y257	M	9150 (1)	15.2 (19)	5.0 (1)	84 (15)	95 (16)	37 (10)
08Y1009	LSR	9140 (2)	12.8 (36)	5.0 (1)	82 (2)	70 (10)	35 (4)
07Y255	M	9060 (3)	18.6 (1)	5.0 (1)	83 (10)	80 (14)	39 (28)
08Y084	L	8980 (4)	14.6 (23)	5.0 (1)	84 (15)	97 (17)	37 (8)
07Y599	LJ	8930 (5)	14.3 (27)	5.0 (1)	85 (21)	25 (7)	38 (17)
08Y2096	MPQ	8600 (6)	16.2 (6)	5.0 (1)	82 (8)	99 (19)	41 (36)
07Y603	LA	8500 (7)	14.6 (23)	5.0 (1)	83 (10)	8 (4)	37 (9)
07Y526	LJ	8500 (8)	12.8 (35)	5.0 (1)	90 (30)	75 (12)	38 (16)
07Y293	SPQ	8450 (9)	16.1 (7)	5.0 (1)	84 (15)	99 (19)	38 (13)
07Y1044	M	8290 (10)	15.9 (11)	5.0 (1)	88 (27)	99 (19)	39 (22)
08Y2089	MPQ	8220 (11)	15.5 (16)	5.0 (1)	85 (19)	99 (19)	40 (32)
08Y3122	M	7970 (12)	15.1 (21)	5.0 (1)	84 (15)	75 (12)	40 (29)
08Y2087	MPQ	7940 (13)	14.1 (28)	5.0 (1)	88 (27)	99 (19)	38 (13)
A201	LA	7830 (14)	17.3 (4)	5.0 (1)	87 (25)	8 (5)	39 (22)
08Y1167	L	7720 (15)	16.1 (8)	5.0 (1)	91 (35)	8 (5)	35 (2)
07Y280	M	7710 (16)	16.6 (5)	4.9 (33)	87 (26)	92 (15)	35 (2)
07Y832	M	7700 (17)	16.0 (9)	5.0 (1)	90 (30)	70 (10)	40 (29)
07Y251	M	7680 (18)	14.5 (25)	5.0 (1)	83 (12)	99 (19)	39 (19)
07Y489	LA	7670 (19)	14.8 (22)	5.0 (1)	75 (1)	1 (1)	36 (6)
08Y3120	M	7610 (20)	15.6 (14)	5.0 (1)	83 (12)	99 (19)	39 (25)
08Y2098	MPQ	7590 (21)	14.1 (28)	5.0 (1)	89 (29)	99 (19)	40 (32)
07Y414	M	7590 (22)	13.8 (31)	4.7 (35)	85 (21)	99 (19)	41 (35)
M206	M	7570 (23)	13.8 (31)	5.0 (1)	83 (12)	99 (19)	38 (12)
07Y253	M	7540 (24)	15.8 (13)	4.9 (33)	85 (19)	99 (19)	39 (19)
07Y364	SLA	7500 (25)	15.4 (17)	5.0 (1)	82 (2)	65 (9)	38 (15)
M203	MPQ	7450 (26)	14.3 (26)	5.0 (1)	85 (21)	99 (19)	40 (32)
08Y3126	M	7360 (27)	14.0 (30)	5.0 (1)	82 (2)	99 (19)	40 (31)
07Y343	MPQ	7310 (28)	15.3 (18)	5.0 (1)	86 (24)	97 (17)	39 (25)
07Y350	S	7210 (29)	15.9 (10)	5.0 (1)	82 (2)	99 (19)	36 (7)
08Y1109	LJ	7130 (30)	15.2 (20)	5.0 (1)	90 (30)	50 (8)	39 (19)
07Y3199	M	7120 (31)	13.8 (31)	5.0 (1)	82 (8)	99 (19)	39 (25)
CH-201	SPQ	6880 (32)	15.5 (15)	5.0 (1)	90 (30)	99 (19)	37 (10)
08Y3121	M	6840 (33)	13.2 (34)	5.0 (1)	82 (2)	99 (19)	39 (22)
08Y1115	LA	6230 (34)	18.1 (2)	5.0 (1)	90 (30)	1 (1)	35 (4)
07Y369	SBG	5680 (35)	15.8 (12)	4.6 (36)	82 (2)	99 (19)	39 (18)
CT202	LB	5510 (36)	17.6 (3)	5.0 (1)	91 (35)	1 (1)	34 (1)
MEAN		7730	15.2	5.0	85	75	38
CV		8.4	8.3	2.1	1.7	22.9	5.7
LSD (.05)		1310	2.6		3	35	

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

BG=bold grain; A = aromatic; B=Basmati.

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. 2009 Early Rice Variety Test - Colusa

<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)
M205	M	9680 (1)	19.6 (2)	5.0 (1)	91 (17)	1 (1)	36 (6)
08Y1092	LR	9550 (2)	14.6 (15)	5.0 (1)	82 (5)	1 (1)	35 (4)
04Y308	MPQ	9080 (3)	18.2 (8)	5.0 (1)	90 (16)	1 (1)	38 (11)
06Y322	MPQ	9060 (4)	17.4 (9)	5.0 (1)	90 (14)	1 (1)	37 (7)
05Y471L	M	8960 (5)	19.1 (4)	4.8 (15)	80 (3)	1 (1)	40 (17)
04Y332-1	MPQ	8930 (6)	20.3 (1)	4.9 (13)	96 (18)	1 (1)	37 (8)
08Y1048	L	8910 (7)	15.4 (13)	5.0 (1)	85 (11)	1 (1)	35 (3)
05Y471E	M	8880 (8)	19.1 (5)	4.2 (17)	82 (6)	1 (1)	40 (18)
06Y513	L	8830 (9)	14.5 (18)	5.0 (1)	88 (12)	1 (1)	34 (1)
M206	M	8800 (10)	18.7 (6)	5.0 (1)	84 (8)	1 (1)	39 (14)
M208	M	8730 (11)	18.5 (7)	5.0 (1)	90 (15)	1 (1)	38 (9)
L206	L	8600 (12)	15.0 (14)	5.0 (11)	84 (8)	1 (1)	34 (2)
M202	M	8560 (13)	19.2 (3)	5.0 (1)	89 (13)	1 (1)	38 (13)
04Y177A	SPQ	8530 (14)	17.2 (10)	4.0 (18)	81 (4)	23 (18)	38 (12)
06Y575	LR	8440 (15)	14.6 (15)	5.0 (1)	84 (8)	1 (1)	40 (16)
L205	LR	8420 (16)	14.6 (15)	5.0 (11)	83 (7)	1 (1)	35 (5)
S-102	S	8130 (17)	16.9 (11)	4.8 (14)	77 (1)	13 (17)	39 (15)
CM-101	SWX	6990 (18)	16.6 (12)	4.8 (15)	78 (2)	6 (16)	38 (10)
MEAN		8730	17.2	4.9	85	3	37
CV		6.5	3.8	5.5	1	284.6	3
LSD (.05)		800	0.9	0.4	1		2
<i>Preliminary Lines and Varieties</i>							
08Y084	L	9690 (1)	14.6 (30)	5.0 (1)	83 (5)	1 (1)	38 (19)
07Y255	M	9650 (2)	17.3 (16)	5.0 (1)	85 (21)	1 (1)	39 (25)
08Y3121	M	9550 (3)	17.9 (9)	5.0 (1)	85 (21)	1 (1)	39 (23)
08Y3126	M	9520 (4)	17.8 (11)	5.0 (1)	85 (21)	1 (1)	39 (27)
07Y257	M	9340 (5)	18.6 (3)	5.0 (1)	85 (16)	1 (1)	38 (22)
07Y293	SPQ	9250 (6)	19.1 (1)	5.0 (1)	85 (16)	1 (1)	34 (3)
07Y526	LJ	9160 (7)	15.4 (26)	5.0 (1)	84 (8)	1 (1)	38 (18)
M203	MPQ	9070 (8)	17.3 (19)	5.0 (1)	88 (30)	26 (36)	41 (35)
07Y599	LJ	9060 (9)	13.7 (35)	5.0 (1)	85 (16)	1 (1)	37 (15)
08Y3120	M	9040 (10)	18.8 (2)	5.0 (1)	84 (8)	1 (1)	39 (25)
07Y280	M	9020 (11)	17.5 (13)	5.0 (1)	85 (21)	1 (1)	36 (9)
07Y3199	M	8990 (12)	18.1 (5)	5.0 (1)	84 (8)	1 (1)	40 (29)
07Y1044	M	8950 (13)	17.3 (16)	5.0 (1)	86 (26)	1 (1)	38 (21)
M206	M	8920 (14)	17.5 (13)	5.0 (1)	84 (8)	1 (1)	39 (23)
08Y3122	M	8890 (15)	17.9 (9)	5.0 (1)	84 (8)	1 (1)	40 (33)
08Y2098	MPQ	8780 (16)	15.9 (25)	5.0 (1)	87 (29)	1 (1)	40 (34)
07Y603	LA	8670 (17)	14.0 (32)	5.0 (1)	84 (6)	1 (1)	35 (8)
07Y253	M	8640 (18)	17.2 (20)	5.0 (1)	85 (16)	1 (1)	39 (27)
08Y1167	L	8630 (19)	15.1 (27)	5.0 (1)	86 (28)	1 (1)	35 (4)
07Y251	M	8570 (20)	17.5 (15)	5.0 (1)	84 (8)	1 (1)	40 (29)
07Y414	M	8520 (21)	18.1 (5)	4.8 (35)	85 (21)	1 (1)	40 (29)
08Y2089	MPQ	8360 (22)	16.8 (23)	5.0 (1)	88 (30)	3 (34)	38 (19)
08Y1009	LSR	8330 (23)	14.6 (30)	5.0 (1)	85 (16)	1 (1)	35 (4)
08Y2087	MPQ	8310 (24)	16.9 (21)	5.0 (1)	88 (30)	3 (34)	40 (29)
07Y832	M	8250 (25)	18.0 (7)	4.9 (33)	89 (35)	1 (1)	36 (12)
07Y350	S	8170 (26)	18.1 (4)	5.0 (1)	84 (6)	1 (1)	35 (7)
07Y489	LA	8080 (27)	14.8 (29)	5.0 (1)	81 (3)	1 (1)	37 (14)
A201	LA	7960 (28)	14.9 (28)	5.0 (1)	88 (30)	1 (1)	36 (10)
07Y343	MPQ	7870 (29)	17.8 (11)	5.0 (1)	89 (34)	1 (1)	37 (13)
08Y1115	LA	7650 (30)	13.9 (34)	5.0 (1)	84 (8)	1 (1)	33 (2)
08Y2096	MPQ	7570 (31)	16.9 (22)	5.0 (1)	82 (4)	1 (1)	37 (17)
CH-201	SPQ	7350 (32)	16.4 (24)	5.0 (1)	86 (26)	1 (1)	36 (11)
07Y364	SLA	7060 (33)	17.3 (18)	4.9 (33)	80 (2)	1 (1)	37 (15)
08Y1109	LJ	7050 (34)	12.8 (36)	5.0 (1)	84 (8)	1 (1)	35 (4)
07Y369	SBG	6850 (35)	17.9 (8)	4.5 (36)	80 (1)	1 (1)	42 (36)
CT202	LB	5960 (36)	14.0 (32)	5.0 (1)	89 (35)	1 (1)	32 (1)
MEAN		8460	16.6	5.0	85	2	37
CV		5.3	3.1	1.6	1.5	324.5	3
LSD (.05)		910	1.1	0.2	3		2

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

BG=bold grain; A = aromatic; B=Basmati.

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 (2005-2009)

Location	Year	Calhikari				Calmati		
		201	M-202	S-102	M-205	M-206	201	L-205
Biggs (RES)	2005	7740	7350	7950	7980	7890	6900	8760
	2006	8650	9000	9740	9250	9560	7480	9280
	2007	6230	6940	8730	8920	9430	6960	8420
	2008	9520	10580	10950	10800	10620	8120	9700
	2009	9090	8940	9700	9430	9080	-	9570
Location Mean		8246	8562	9414	9276	9316	7365	9146
Butte	2005	7100	8990	7520	9740	7010	6550	8620
	2006	6930	7970	8430	8820	8080	7230	8090
	2007	7430	7640	8580	8310	8060	7640	8940
	2008	6360	7150	7470	8220	8450	6780	8220
	2009	8690	9690	7800	9830	8170	-	8790
Location Mean		7302	8288	7960	8984	7954	7050	8532
Yuba	2005	7470	7100	7630	8150	7670	7110	7490
	2006	-	-	-	-	-	-	-
	2007	5910	7040	6170	7480	7960	5550	6370
	2008	8880	10140	9830	10500	10720	7660	9890
	2009	6880	7940	7950	8790	8530	-	8570
Location Mean		7285	8055	7895	8730	8720	6773	8080
Colusa	2005	7580	8030	6970	9330	8160	7330	8570
	2006	8530	9970	9060	10720	9300	7590	8660
	2007	8270	9030	9040	9630	9960	7190	8770
	2008	8640	9950	9870	10080	10080	6610	9140
	2009	7350	8560	8130	9680	8800	-	8420
Location Mean		8074	9108	8614	9888	9260	7180	8712
Loc/Years Mean		7750	8527	8501	9245	8817	7113	8646
Yield % M-202		90.9	100	99.7	108.4	103.4	83.4	101.4
Number of Tests		19	19	19	19	19	15	19

Table15. 2009 Intermediate/Late Rice Variety Tests - Three Location Summary

Advanced Lines and Varieties

Variety	Grain Type	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)
			Biggs	Glenn	Sutter					
07Y671	SSR	10100 (1)	10630 (1)	10930 (2)	8730 (1)	16.5 (5)	4.8 (6)	86 (2)	26 (9)	37 (2)
08Y1168	L	9720 (2)	10240 (2)	11200 (1)	7720 (8)	15.4 (9)	4.8 (8)	92 (10)	2 (2)	37 (3)
07Y576	L	9590 (3)	9630 (6)	10500 (6)	8630 (3)	14.7 (10)	4.7 (11)	92 (10)	1 (1)	40 (12)
07Y301	SPQ	9550 (4)	9190 (8)	10840 (4)	8640 (2)	17.2 (3)	4.9 (2)	92 (9)	20 (8)	38 (7)
05Y343	SWX	9530 (5)	10090 (3)	10840 (3)	7660 (10)	16.6 (4)	4.8 (9)	89 (4)	47 (13)	40 (11)
06Y513	L	9340 (6)	9950 (4)	10020 (9)	8040 (6)	13.8 (13)	4.8 (7)	91 (7)	2 (3)	38 (8)
L206	L	9290 (7)	9950 (5)	10440 (7)	7470 (11)	14.1 (12)	4.7 (12)	85 (1)	10 (6)	36 (1)
M-402	MPQ	9240 (8)	9110 (10)	10610 (5)	8010 (7)	18.0 (1)	5.0 (1)	104 (13)	6 (5)	42 (13)
07Y726	M	9210 (9)	9110 (11)	9990 (10)	8520 (4)	17.9 (2)	4.9 (3)	90 (6)	17 (7)	39 (9)
M205	M	9200 (10)	9290 (7)	10120 (8)	8180 (5)	16.5 (6)	4.9 (5)	91 (8)	29 (10)	38 (4)
L205	LR	8550 (11)	9170 (9)	9910 (11)	6570 (13)	14.4 (11)	4.4 (13)	94 (12)	4 (4)	38 (6)
M202	M	8200 (12)	8300 (13)	9230 (12)	7080 (12)	16.1 (7)	4.8 (10)	89 (5)	34 (11)	39 (10)
8Y2094	MPQ	8140 (13)	8490 (12)	8210 (13)	7710 (9)	15.5 (8)	4.9 (4)	87 (3)	40 (12)	38 (5)
MEAN		9200	9470	10220	7920	15.9	4.8	91	18	39
CV		5.2	5.7	4.4	5.7	4.9	2.6	1.5	74.4	2.3
LSD (.05)		390	780	650	640	0.6	0.1	1	11	1

Preliminary Lines and Varieties

08Y1154	LSR	9490 (1)	9810 (2)	10690 (2)	7970 (5)	14.9 (15)	4.9 (7)	96 (19)	1 (1)	35 (1)
07Y722	M	9440 (2)	10150 (1)	9900 (8)	8260 (2)	16.5 (3)	4.8 (15)	95 (17)	9 (10)	38 (11)
08Y2103	MPQ	9200 (3)	8410 (13)	10410 (3)	8770 (1)	16.6 (2)	4.9 (4)	90 (11)	61 (22)	40 (19)
08Y3135	M	9170 (4)	9450 (5)	9960 (7)	8090 (3)	17.0 (1)	4.7 (18)	86 (1)	1 (1)	37 (5)
07Y697	M	9000 (5)	9780 (3)	10050 (5)	7190 (13)	15.3 (11)	4.6 (21)	93 (15)	19 (14)	36 (2)
07Y477	M	9000 (6)	9610 (4)	9740 (11)	7640 (7)	15.3 (12)	5.4 (1)	90 (7)	19 (14)	37 (6)
M205	M	8940 (7)	8670 (10)	10840 (1)	7320 (12)	16.0 (4)	4.8 (9)	92 (14)	9 (10)	37 (8)
07Y700	M	8900 (8)	9150 (6)	9990 (6)	7540 (9)	15.6 (7)	4.9 (6)	89 (6)	5 (9)	38 (9)
07Y691	M	8750 (9)	9080 (7)	9840 (10)	7340 (11)	15.5 (8)	4.7 (17)	88 (4)	28 (16)	37 (7)
07Y466	M	8720 (10)	8740 (9)	10260 (4)	7170 (14)	15.1 (14)	4.8 (9)	90 (10)	14 (12)	38 (12)
07Y1174	LJ	8700 (11)	9070 (8)	8990 (16)	8030 (4)	14.4 (17)	4.8 (13)	98 (22)	16 (13)	39 (17)
08Y3134	M	8530 (12)	8590 (11)	9360 (12)	7640 (8)	15.2 (13)	4.7 (20)	86 (2)	4 (8)	38 (14)
07Y692	M	8440 (13)	8070 (16)	9870 (9)	7360 (10)	15.4 (9)	4.9 (7)	90 (9)	32 (18)	38 (13)
08Y1114	LJ	8220 (14)	8440 (12)	8260 (19)	7950 (6)	14.0 (20)	4.8 (9)	97 (20)	1 (1)	40 (20)
08Y2162	SPQ	8130 (15)	8090 (15)	9130 (14)	7160 (16)	14.1 (18)	5.0 (3)	92 (13)	31 (17)	38 (9)
08Y2082	MPQ	8080 (16)	7880 (17)	9330 (13)	7020 (17)	15.9 (5)	4.9 (5)	89 (5)	57 (21)	38 (15)
CT201	LB	7870 (17)	7850 (19)	9010 (15)	6740 (18)	14.1 (19)	4.8 (9)	94 (16)	1 (1)	40 (21)
CH-201	SPQ	7810 (18)	7860 (18)	8410 (17)	7170 (15)	15.4 (10)	5.0 (2)	87 (3)	47 (20)	37 (3)
08Y2147	MPQ	7390 (19)	7710 (20)	8390 (18)	6060 (19)	15.7 (6)	4.8 (13)	91 (12)	40 (19)	39 (18)
09Y139	LB	7180 (20)	8280 (14)	8100 (20)	5170 (21)	13.8 (21)	4.6 (22)	96 (18)	1 (1)	39 (16)
CT202	LB	6960 (21)	7620 (21)	7970 (21)	5290 (20)	13.7 (22)	4.7 (16)	90 (7)	1 (1)	37 (4)
08Y138	LB	6420 (22)	7190 (22)	7140 (22)	4940 (22)	14.7 (16)	4.7 (19)	97 (21)	1 (1)	41 (22)
MEAN		8380	8610	9350	7170	15.2	4.8	91	18	38
CV		5.7	6.6	3.4	7.0	3.6	5.6	1.8	84.9	2.9
LSD (.05)		550	1190	650	1050	0.6	0.3	2	18	1

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stemrot resistant; B = Basmati; J = Jasmine.

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. 2009 Intermediate/Late Rice Variety Test - Biggs (RES)

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)
07Y671	SSR	10630 (1)	14.3 (10)	4.7 (7)	85 (2)	68 (9)	33 (2)
08Y1168	L	10240 (2)	16.3 (1)	4.5 (9)	92 (9)	3 (2)	36 (9)
05Y343	SWX	10090 (3)	15.0 (6)	4.7 (6)	90 (8)	93 (12)	36 (8)
06Y513	L	9950 (4)	13.7 (13)	4.4 (10)	93 (10)	3 (2)	37 (10)
L206	L	9950 (5)	14.6 (9)	4.4 (10)	85 (3)	28 (6)	34 (3)
07Y576	L	9630 (6)	15.1 (5)	4.3 (12)	98 (12)	0 (1)	39 (12)
M205	M	9290 (7)	14.7 (8)	4.8 (2)	86 (5)	80 (10)	34 (5)
07Y301	SPQ	9190 (8)	14.3 (10)	4.8 (5)	89 (7)	51 (8)	35 (7)
L205	LR	9170 (9)	14.8 (7)	4.2 (13)	97 (11)	10 (4)	38 (11)
M-402	MPQ	9110 (10)	16.3 (1)	5.0 (1)	104 (13)	11 (5)	41 (13)
07Y726	M	9110 (11)	16.2 (3)	4.8 (2)	87 (6)	40 (7)	34 (6)
8Y2094	MPQ	8490 (12)	14.1 (12)	4.8 (4)	83 (1)	98 (13)	33 (1)
M202	M	8300 (13)	15.1 (4)	4.6 (8)	85 (3)	85 (11)	34 (3)
MEAN		9470	15.0	4.6	90	44	36
CV		5.7	6.3	2.8	2	49.4	2
LSD (.05)		780	1.4	0.2	3	31	1

Preliminary Lines and Varieties

07Y722	M	10150 (1)	14.2 (12)	4.9 (3)	90 (16)	25 (11)	35 (16)
08Y1154	LSR	9810 (2)	14.6 (6)	4.7 (13)	96 (18)	0 (1)	38 (18)
07Y697	M	9780 (3)	14.4 (11)	4.8 (12)	88 (14)	55 (14)	35 (14)
07Y477	M	9610 (4)	14.1 (14)	5.0 (2)	86 (7)	55 (14)	34 (7)
08Y3135	M	9450 (5)	14.8 (4)	4.6 (14)	86 (5)	0 (1)	34 (5)
07Y700	M	9150 (6)	14.2 (12)	4.9 (3)	86 (5)	13 (10)	34 (5)
07Y691	M	9080 (7)	14.1 (17)	4.6 (15)	86 (7)	70 (16)	34 (7)
07Y1174	LJ	9070 (8)	14.7 (5)	4.6 (15)	99 (22)	0 (1)	39 (22)
07Y466	M	8740 (9)	13.4 (21)	4.9 (3)	86 (7)	40 (13)	34 (7)
M205	M	8670 (10)	14.1 (14)	4.8 (8)	87 (10)	25 (11)	34 (10)
08Y3134	M	8590 (11)	14.5 (9)	4.5 (17)	85 (3)	8 (9)	33 (3)
08Y1114	LJ	8440 (12)	14.0 (19)	4.5 (17)	97 (19)	0 (1)	38 (19)
08Y2103	MPQ	8410 (13)	15.1 (2)	4.8 (8)	87 (10)	95 (18)	34 (10)
09Y139	LB	8280 (14)	14.5 (10)	4.1 (22)	98 (20)	0 (1)	39 (20)
08Y2162	SPQ	8090 (15)	12.9 (22)	4.9 (3)	89 (15)	90 (17)	35 (15)
07Y692	M	8070 (16)	15.9 (1)	4.8 (8)	85 (3)	95 (18)	33 (3)
08Y2082	MPQ	7880 (17)	14.6 (8)	4.9 (7)	83 (1)	100 (22)	32 (1)
CH-201	SPQ	7860 (18)	14.1 (14)	5.0 (1)	83 (2)	95 (18)	33 (2)
CT201	LB	7850 (19)	14.6 (6)	4.5 (17)	92 (17)	0 (1)	36 (17)
08Y2147	MPQ	7710 (20)	13.7 (20)	4.8 (8)	87 (13)	95 (18)	34 (13)
CT202	LB	7620 (21)	14.1 (17)	4.4 (20)	87 (10)	0 (1)	34 (10)
08Y138	LB	7190 (22)	14.9 (3)	4.3 (21)	98 (20)	0 (1)	39 (20)
MEAN		8610	14.3	4.7	89	39	35
CV		6.6	4.2	3.1	1.2	41	1.2
LSD (.05)		1190		0.3	2	33	1

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stemrot resistant;

B = Basmati; J = Jasmine.

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. 2009 Intermediate/Late Rice Variety Test - 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)
08Y1168	L	11200 (1)	14.0 (9)	5.0 (1)	93 (10)	1 (1)	40 (2)
07Y671	SSR	10930 (2)	16.2 (5)	4.9 (9)	90 (3)	9 (9)	42 (5)
05Y343	SWX	10840 (3)	16.6 (4)	4.8 (12)	91 (6)	48 (13)	44 (12)
07Y301	SPQ	10840 (4)	15.9 (7)	5.0 (1)	94 (11)	8 (8)	41 (3)
M-402	MPQ	10610 (5)	16.6 (2)	5.0 (1)	104 (13)	7 (7)	43 (11)
07Y576	L	10500 (6)	13.2 (11)	5.0 (1)	92 (7)	1 (1)	43 (6)
L206	L	10440 (7)	13.0 (13)	5.0 (6)	88 (1)	1 (1)	40 (1)
M205	M	10120 (8)	16.6 (3)	5.0 (6)	94 (11)	6 (6)	43 (6)
06Y513	L	10020 (9)	13.1 (12)	5.0 (1)	92 (7)	3 (5)	43 (6)
07Y726	M	9990 (10)	17.3 (1)	5.0 (6)	91 (4)	11 (10)	43 (10)
L205	LR	9910 (11)	13.5 (10)	4.7 (13)	92 (7)	1 (1)	41 (4)
M202	M	9230 (12)	16.2 (6)	4.9 (11)	90 (2)	15 (11)	44 (13)
8Y2094	MPQ	8210 (13)	15.9 (8)	4.9 (10)	91 (4)	20 (12)	43 (6)
MEAN		10220	15.2	4.9	92	10	42
CV		4.4	2.9	1.9	1.2	92.6	2.3
LSD (.05)		650	0.6	0.1	2	13	1

Preliminary Lines and Varieties

M205	M	10840 (1)	16.2 (3)	5.0 (2)	96 (14)	1 (1)	41 (6)
08Y1154	LSR	10690 (2)	13.2 (16)	5.0 (2)	98 (19)	1 (1)	35 (1)
08Y2103	MPQ	10410 (3)	16.5 (1)	5.0 (2)	90 (3)	80 (22)	44 (21)
07Y466	M	10260 (4)	15.6 (10)	4.8 (18)	92 (10)	1 (1)	43 (16)
07Y697	M	10050 (5)	15.5 (11)	4.5 (22)	98 (19)	1 (1)	40 (2)
07Y700	M	9990 (6)	16.1 (4)	5.0 (2)	91 (4)	1 (1)	43 (15)
08Y3135	M	9960 (7)	16.1 (5)	4.6 (21)	86 (1)	1 (1)	41 (4)
07Y722	M	9900 (8)	15.6 (8)	4.8 (18)	98 (17)	1 (1)	40 (3)
07Y692	M	9870 (9)	15.3 (13)	5.0 (2)	91 (5)	1 (1)	42 (13)
07Y691	M	9840 (10)	15.9 (7)	4.9 (16)	90 (2)	11 (18)	42 (10)
07Y477	M	9740 (11)	15.4 (12)	6.2 (1)	91 (5)	1 (1)	42 (8)
08Y3134	M	9360 (12)	15.3 (14)	4.7 (20)	91 (5)	3 (17)	42 (13)
08Y2082	MPQ	9330 (13)	16.0 (6)	5.0 (2)	91 (5)	70 (21)	44 (18)
08Y2162	SPQ	9130 (14)	14.0 (15)	5.0 (2)	97 (16)	1 (1)	42 (10)
CT201	LB	9010 (15)	12.2 (22)	5.0 (2)	96 (14)	1 (1)	44 (18)
07Y1174	LJ	8990 (16)	12.6 (19)	5.0 (2)	98 (17)	48 (20)	41 (6)
CH-201	SPQ	8410 (17)	15.6 (9)	5.0 (2)	91 (5)	1 (1)	42 (10)
08Y2147	MPQ	8390 (18)	16.2 (2)	4.9 (16)	94 (12)	25 (19)	43 (17)
08Y1114	LJ	8260 (19)	13.0 (17)	5.0 (2)	98 (19)	1 (1)	44 (20)
09Y139	LB	8100 (20)	12.5 (20)	5.0 (2)	96 (13)	1 (1)	42 (8)
CT202	LB	7970 (21)	12.9 (18)	5.0 (2)	92 (11)	1 (1)	41 (5)
08Y138	LB	7140 (22)	12.3 (21)	5.0 (2)	99 (22)	1 (1)	44 (22)
MEAN		9350	14.7	5.0	94	11	42
CV		3.4	2.6	8.3	2.7	140.8	3.3
LSD (.05)		650	0.8		5	34	3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stemrot resistant;

B = Basmati; J = Jasmine.

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. 2009 Intermediate/Late Rice Variety Test - 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)
07Y671	SSR	8730 (1)	19.0 (4)	4.9 (5)	85 (3)	1 (1)	37 (6)
07Y301	SPQ	8640 (2)	21.5 (1)	5.0 (1)	92 (7)	1 (1)	39 (8)
07Y576	L	8630 (3)	15.9 (9)	4.9 (7)	87 (4)	1 (1)	40 (11)
07Y726	M	8520 (4)	20.3 (3)	4.9 (6)	93 (10)	1 (1)	39 (8)
M205	M	8180 (5)	18.1 (6)	4.9 (8)	94 (12)	1 (1)	36 (5)
06Y513	L	8040 (6)	14.5 (13)	5.0 (1)	88 (5)	1 (1)	36 (4)
M-402	MPQ	8010 (7)	21.0 (2)	5.0 (1)	103 (13)	1 (1)	41 (13)
08Y1168	L	7720 (8)	15.8 (10)	4.9 (8)	92 (9)	1 (1)	36 (3)
8Y2094	MPQ	7710 (9)	16.6 (8)	5.0 (4)	88 (6)	1 (1)	38 (7)
05Y343	SWX	7660 (10)	18.4 (5)	4.8 (10)	84 (2)	1 (1)	39 (10)
L206	L	7470 (11)	14.6 (12)	4.7 (12)	82 (1)	1 (1)	35 (1)
M202	M	7080 (12)	17.1 (7)	4.8 (11)	93 (10)	1 (1)	40 (12)
L205	LR	6570 (13)	15.0 (11)	4.1 (13)	92 (8)	1 (1)	35 (2)
MEAN		7920	17.5	4.8	90	1	38
CV		5.7	4.9	3	1.3		2.4
LSD (.05)		640	1.2	0.2	2		1

Preliminary Lines and Varieties

08Y2103	MPQ	8770 (1)	18.2 (3)	5.0 (1)	94 (17)	8 (21)	40 (19)
07Y722	M	8260 (2)	19.6 (2)	4.7 (19)	97 (21)	1 (1)	38 (13)
08Y3135	M	8090 (3)	20.0 (1)	4.9 (10)	87 (3)	1 (1)	37 (11)
07Y1174	LJ	8030 (4)	15.8 (16)	4.9 (7)	97 (21)	1 (1)	38 (13)
08Y1154	LSR	7970 (5)	17.0 (7)	4.9 (7)	95 (19)	1 (1)	33 (1)
08Y1114	LJ	7950 (6)	15.1 (19)	5.0 (1)	95 (19)	1 (1)	39 (17)
07Y477	M	7640 (7)	16.3 (12)	5.0 (1)	92 (7)	1 (1)	36 (3)
08Y3134	M	7640 (8)	15.9 (15)	4.8 (12)	83 (1)	1 (1)	39 (17)
07Y700	M	7540 (9)	16.5 (9)	4.8 (12)	92 (7)	1 (1)	36 (9)
07Y692	M	7360 (10)	14.9 (20)	4.8 (12)	93 (11)	1 (1)	38 (15)
07Y691	M	7340 (11)	16.5 (10)	4.7 (19)	88 (4)	2 (20)	36 (8)
M205	M	7320 (12)	17.6 (4)	4.7 (18)	93 (11)	1 (1)	37 (11)
07Y697	M	7190 (13)	16.1 (14)	4.6 (22)	93 (11)	1 (1)	33 (2)
07Y466	M	7170 (14)	16.3 (12)	4.9 (10)	93 (9)	1 (1)	37 (10)
CH-201	SPQ	7170 (15)	16.4 (11)	5.0 (1)	86 (2)	46 (22)	36 (3)
08Y2162	SPQ	7160 (16)	15.5 (18)	5.0 (1)	90 (5)	1 (1)	36 (3)
08Y2082	MPQ	7020 (17)	17.3 (5)	4.9 (7)	93 (11)	1 (1)	39 (16)
CT201	LB	6740 (18)	15.6 (17)	5.0 (1)	93 (11)	1 (1)	42 (22)
08Y2147	MPQ	6060 (19)	17.2 (6)	4.8 (12)	93 (9)	1 (1)	40 (19)
CT202	LB	5290 (20)	14.1 (22)	4.8 (12)	90 (5)	1 (1)	36 (3)
09Y139	LB	5170 (21)	14.4 (21)	4.7 (19)	93 (11)	1 (1)	36 (3)
08Y138	LB	4940 (22)	16.9 (8)	4.8 (12)	94 (17)	1 (1)	41 (21)
MEAN		7170	16.5	4.8	92	3	37
CV		7	3.9	3.2	0.6	397.8	3.4
LSD (.05)		1050	1.3		1		3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; R = Newrex; SR = stemrot resistant;

B = Basmati; J = Jasmine.

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 (2005-2009)

Location	Year	M-205	M-402	M-202	L-205	L-206
Biggs (RES)	2005	9110	8570	8610	9110	7900
	2006	8830	8280	8620	8920	9210
	2007	10080	8940	8960	9430	10390
	2008	10950	9220	10310	9890	10740
	2009	9290	9110	8300	9170	9950
Location Mean		9652	8824	8960	9304	9638
Glenn	2005	8190	9040	8430	7510	7570
	2006	7050	7990	6820	6780	6700
	2007	10400	9080	9110	9150	9670
	2008	8440	7240	8300	8820	8710
	2009	10120	10610	9230	9910	10440
Location Mean		8840	8792	8378	8434	8618
Sutter	2005	10040	7530	9500	9560	9790
	2006	8490	7290	7760	8730	8810
	2007	10320	8900	9800	10010	9580
	2008	8430	9180	8780	7760	7830
	2009	8180	8010	7080	6570	7470
Location Mean		9092	8182	8584	8526	8696
Loc/Years Mean		9195	8599	8641	8755	8984
Yield % M-202		106.4	99.5	100	101.3	102.6
Number of Tests		15	15	15	15	15