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CALIFORNIA RICE VARIETIES

DESCRIPTION AND PERFORMANCE SUMMARY OF THE 2010 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 2010. 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 cool wet spring delayed field preparation and planting. Even with the extended planting season, an estimated 558,000 acres of rice was planted in 2010 (an increase of 1% compared to 2009). The estimated statewide yield was 8,020 lbs/ac, 6% less than the 2009 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. The November harvest was complicated by rain, lodging and wet field 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 Advanced Test at each of the following locations.

	Date Planted
• Butte County (RES)	5/18
• Sutter County (Lauppe)	5/28
• Yolo County (Webster)	5/18
• San Joaquin (Del Rio Partners)	5/04 (drill-seeded)

Commercial varieties included Calmochi-101, CH-201, S-102, M-104, M-202, M-206, and L-206. Thirty-two experimental lines and three commercial varieties (M-206, L-205 and Koshihikari) 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.

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

	Date Planted
• Butte County (RES)	5/20
• Butte County (Larriabee)	5/24
• Colusa County (Dennis)	5/18
• Yuba County (Marler Farms)	5/21

Commercial varieties included Calmochi-101, Calhkari-201, S-102, M-202, M-205, M-206, M-208, and L-206. Thirty preliminary lines and four commercial varieties (Koshihikari, Calmati-202, A-201 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.

Six commercial varieties and six advanced lines were evaluated in Advanced Test at the following locations.

	Date Planted
• Butte County (RES)	5/18
• Glenn County (Wiley)	5/07
• Sutter County (Tucker)	5/14

Commercial varieties included Koshihikari, Calhkari-201, M-202, M-205, M-402, and L-206. Twenty-two experimental lines and two commercial varieties (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 Butte and Yolo County tests were harvested with the ALMACO combine. The Colusa, Glenn, Sutter, San Joaquin and Yuba 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 ft^2 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 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 (2006-2010) is found in Table 8.

Grain yields in the advanced tests averaged 10,170 lbs/ac at Biggs-RES, 7,070 lbs/ac at Sutter, 7,920 lbs/ac at Yolo and 8,140 lb/ac at San Joaquin (Table 3). Over all locations, the three highest

yielding entries on average were advanced long grain line 06Y575, advanced waxy short grain line 05Y343, and M-206 (9,690, 8,860, and 8,740 lbs/ac respectively). Other top yielding commercial varieties L-206, CM-101, S-102, and M-202 ranked fourth, sixth, seventh, and thirteenth, respectively. Severe bird damage resulted in the extreme yield loss of M-104 at Biggs. M-104 was dropped from the advanced Biggs test and over location summaries. However, the yield for M-104 ranked fifth, seventh, and fourth at Sutter, Yolo, and San Joaquin respectively. Averaged across locations, cultivar yields in the preliminary tests ranged from 5,180 to 9,370 lbs/ac (Table 3).

The average number of days to 50% heading in 2010 was seven days more than in 2009. Spring rains delayed field preparation, planting, and prevented a significant percentage of the projected acreage from being planted. Cooler than normal daytime and nighttime temperatures increased the number of days to 50% heading and caused a slight increase in lodging.

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-205, and L-206 yielded 98%, 105%, 97%, 104%, 96%, and 104% (respectively) of the standard variety M-104. Over the 5-year period and across locations, M-206 was the highest yielding variety followed by L-206 and S-102 at 9487 lbs/ac, 9389 lbs/ac, and 9373 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 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 (2006-2010) is found in Table 14.

Yields in the advanced line tests averaged 10,490 lbs/ac at the RES; 8,160 lbs/ac at Butte, 10,460 lbs/ac at Colusa and 9,260 lbs/ac at Yuba (Table 9). Advanced waxy short grain 05Y343 was the highest yielding entry (10,630 lbs/ac) when averaged over four locations in 2010 (Table 9). Other entries with yields averaging greater than 10,000 lbs/ac were long grains 06Y575 and 08Y1092 and medium grains 05Y471 and M-206. The yield of commercial varieties M-202, M-205, L-206, M-208, and S-102, ranked sixth, seventh, ninth, eleventh, and fifteenth over all locations (Table 9).

Average days to 50% heading ranged from 89 days at Yuba and Biggs to 94 days at the Colusa County site. The commercial standard M-206 headed at 85 days at Yuba and 91 days at Colusa. Overall average days to 50% heading was 5 days longer than in 2009.

M-205 was the highest yielding commercial variety (9,461 lbs/ac) followed by M-206 (9,322 lbs/ac) when averaged over the last 5 years and across locations (Table 14).

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 through 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 (2006-2010) is found in Table 19.

Average yields in the advanced tests were 9,940 lbs/ac at the RES, 8,380 lbs/ac at Glenn and 9,130 lbs/ac at Sutter (Table 15). The 2010 advanced over location average yield was 50 lbs/ac less than the 2009 season average. The average yields at the RES and Sutter increased 470 and 1,210 lbs/ac respectively, while decreasing 280 lbs/ac at Glenn compared to the 2009 season. M-205 was the highest yielding commercial variety (9,810 lbs/ac), ranking third overall. L-206 and M-202 were the next highest yielding commercial varieties across locations, ranking fourth and fifth respectively (Table 15). The long grain Newrex entry 06Y575 was the highest yielding advanced entry across locations, at 10,620 lbs/ac.

Average days to 50% heading increased seven days compared to 2009, ranging from 97 days at the RES and Sutter locations to 100 days at the Glenn location. M-402 required the longest time to reach 50% heading among the commercial varieties at all locations, (average is 110 days).

Averaged over the last 5 years and across locations, M-205 is the highest yielding (9,334 lbs/ac) commercial variety. Both M-205 and L-206 produced 106% of the yield of M-202 on average over the last 5 years (Table 19).

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Table 1. Characteristics of Public California Rice Varieties - 2010

CHARACTERISTICS OF PUBLIC CALIFORNIA RICE VARIETIES - 2010

Grain Type	Maturity	Year Seed Widely Available	Stem Rot Score[1] (0-10)	Seedling Vigor[2] (1-5)	Comments
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 ares 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 yeald 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	*Premium quality* 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	*Premium quality* 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	*Premium quality* 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 Rices[5]					
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.
Calamylow-201[5,6]	Early[4]	2009	6.2	4.2	Low amylose content (≈6-7%), opaqued kernel and small short grain shape. Rough leaves and hull and not adapted to cool temerature 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 agen
5 These varieties are considered varieties of Commercial Impact (Tier 1)and are subject to production regualtions.
6 Protected un 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. 2010 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)	
	max		min		max		min		max		min		max		min		max		min		max		min		max		min	
Apr 01	61		39		61		41		64		45		62		42		62		43		62		38		60		38	
Apr 02	56		38		58		39		54		43		51		38		52		40		53		39		55		41	
Apr 03	58		34		60		35		61		39		59		33		58		35		58		34		60		40	
Apr 04	51		39		54		42		56		43		52		41		54		40		54		40		56		41	
Apr 05	64		35		60		34		62		42		59		37		60		37		59		36		60		42	
Apr 06	77		32		63		32		65		38		63		33		65		36		63		31		64		36	
Apr 07	78		42		73		47		71		45		71		46		71		40		71		34		72		38	
Apr 08	71		44		71		40		73		47		70		46		72		45		71		41		70		43	
Apr 09	72		48		72		48		72		51		71		47		74		48		72		41		73		46	
Apr 10	62		50		61		44		62		52		60		44		61		49		59		47		63		46	
Apr 11	59		45		53		47		55		52		53		46		54		48		58		46		57		47	
Apr 12	61		43		56		47		57		48		55		47		57		48		56		46		59		47	
Apr 13	62		47		64		44		64		44		62		32		63		46		64		44		64		43	
Apr 14	65		42		63		42		67		45		62		41		65		43		64		43		64		42	
Apr 15	73		41		68		41		70		47		69		32		71		41		69		37		70		41	
Apr 16	74		47		71		44		73		51		71		45		72		48		72		46		72		50	
Apr 17	77		45		73		47		74		50		75		44		74		44		74		45		73		47	
Apr 18	81		46		79		42		80		51		80		43		79		45		79		40		78		44	
Apr 19	77		47		71		49		74		53		72		45		72		49		72		48		71		47	
Apr 20	63		45		59		43		62		51		56		46		60		45		60		43		59		46	
Apr 21	74		41		63		32		58		47		63		44		63		45		59		39		54		45	
Apr 22	76		43		70		39		68		45		73		43		67		45		67		44		66		45	
Apr 23	77		43		73		40		76		47		75		41		73		43		72		40		73		47	
Apr 24	78		47		81		45		79		49		75		45		79		45		79		45		76		45	
Apr 25	81		48		82		47		83		54		81		46		83		49		81		44		82		48	
Apr 26	74		45		77		42		77		47		76		41		78		45		78		45		80		45	
Apr 27	69		45		70		47		66		55		66		45		65		47		65		45		67		49	
Apr 28	66		37		61		41		62		48		58		37		61		40		59		36		59		44	
Apr 29	70		33		65		33		68		39		65		33		67		37		65		34		65		37	
Apr 30	80		35		71		43		72		48		70		43		72		47		71		40		72		41	
May 01	82		47		80		42		81		52		77		46		81		42		80		38		79		45	
May 02	86		45		81		50		81		57		79		48		81		52		79		47		81		50	
May 03	88		53		87		45		89		57		84		44		85		48		84		42		86		46	
May 04	79		49		79		48		79		54		76		45		79		49		79		40		79		49	
May 05	73		38		72		43		73		52		69		52		73		47		71		39		73		49	
May 06	80		43		74		46		75		52		72		43		75		47		74		40		75		50	
May 07	81		41		79		37		81		47		78		36		79		40		79		34		79		41	
May 08	74		45		76		50		78		48		75		43		75		49		76		48		73		46	
May 09	65		50		68		48		68		50		65		51		66		50		64		47		66		46	
May 10	72		47		60		39		61		52		58		39		59		42		58		39		60		43	
May 11	81		35		73		33		72		41		72		34		72		39		71		35		71		38	
May 12	86		50		81		46		82		51		79		45		81		46		79		42		79		45	
May 13	87		47		86		46		86		52		84		45		85		47		85		48		82		46	
May 14	86		51		84		48		84		53		85		49		84		51		84		50		81		50	
May 15	86		52		85		50		86		52		83		50		86		51		84		49		85		49	
May 16	82		54		81		56		78		50		81		54		81		55		79		53		78		50	
May 17	71		53		64		53		63		55		61		53		61		53		64		52		66		52	
May 18	75		44		73		51		75		52		72		52		74		52		73		51		74		55	
May 19	74		48		65		46		69		54		63		52		66		55		66		54		69		50	
May 20	77		42		73		44		75		49		74		46		75		46		73		41		74		47	
May 21	68		41		68		40		70		51		67		41		71		45		68		40		66		47	
May 22	71		39		63		36		65		44		62		33		66		37		64		35		64		42	
May 23	75		41		73		43		75		46		74		40		75		43		74		39		73		41	
May 24	69		50		69		50		70		53		68		50		69		51		67		50		67		47	
May 25	70		44		65		50		66		50		65		45		67		47		66		48		67		43	
May 26	70		40		69		50		71		53		66		51		71		54		69		53		69		54	
May 27	70		46		62		50		65		52		60		47		64		48		63		50		65		46	
May 28	71		44		68		42		68		41		69		47		69		45		68		46		69		42	
May 29	84		46		81		50		83		54		80		46		83		49		80		48		82		48	
May 30	86		56		86		51		89		56		84		51		88		52		87		49		87		47	
May 31	80		63		77		62		85		60		75		60		81		60		78		60		78		59	
Jun 01	82		57		79		57		81		57		80		58		80		59		79		57		75		57	
Jun 02	82		58		83		58		87		56		78		60		85		57		83		56		81		55	
Jun 03	81		53		82		62		87		62		77		63		84		62		81		60		82		60	
Jun 04	87		59		77		64		80		64		77		63		79		65		80		63		82		63	
Jun 05	92		61		88		61		91		61		85		61		90		60		88		60		89		61	
Jun 06	94		61		88		64		93		63		88		63		92		64		91		62		85		60	
Jun 07	92		60		86		60		88		59		89		59		88		59		88		58		83		57	
Jun 08	89		58		86		60		90		58		83		59		89		58		84		57		79		53	
Jun 09	85		58		79		58		82		64		78		58		83		57		79		55		74		56	
Jun 10	84		52		77		53		78		52		77		50		80		51		78		52		76		54	
Jun 11	91		60		83		60		83		62		83		58		86		59		85		59		84		59	
Jun 12	97		60		90		62		91		64		86		54		93		62		90		61		89		61	
Jun 13	98		62		95		63		96		66		94		56		99		57		95		56		94		55	
Jun 14	93		58		90		60		94		62		89		55		96		61		91		63		91		55	
Jun 15	85		57		85		58		86		56		82		59		85		56		84		55		80		49	
Jun 16	85		61		82		55		83		56		82		56		84		56		82		51		82		53	
Jun 17	86		52		84		50		87		58		81		46		87		49		86		48		86		49	
Jun 18	86		52		82		55		82		55		80		49		85		55		79		54		77		48	
Jun 19	83		52		75		52		78		52		74		53		78		53		76		52		74		48	
Jun 20	83		51		83		48		81		51		83		49		85		49		81		50		81		45	
Jun 21	93		71		89		64		88		58		89		59		91		54		89		54		87		49	
Jun 22	91		55		90		58		93		59		87		54		93		57		93		60		90		51	
Jun 23	93		66		91		66		95		62		86		64		96		65		92		59		90		57	
Jun 24	89		65		84		60		87		59		85		65		88		59		85		57		80		55	
Jun 25	103		56		85		56		88		57		85		58		88		57		88		56		82		55	
Jun 26	103		62		100		61		98		60		99		60		97		60		96		57		89		57	
Jun 27	104		65		102		62		103		63		100		63		103		64		97		61		99		57	
Jun 28	102		65		100		66		104		71		96		62		105		67		101		67		99		63	
Jun 29	99		62		96		63		100		63		94		67		100		64		94		63		91		60	
Jun 30	90		61		88		57		90		59		86		58		92		61		87		58		84		56	
Jul 01	88		56		84		57		88		56		84		54		90		55		85		55		83		47	
Jul 02	94		57		88		56		89		58		87		56		89		56		87		56		85		52	
Jul 03	94		55		91		62		90		63		93		59		93		61		93		57		89		56	
Jul 04	94		65		95		61		96		65		95		58		100		59		94		57		94		53	
Jul 05	95		58		94		62		97		60		88		58		97		60		93		59		89		55	
Jul 06	90		61		87		58		91		57		87		61		91		59		85		56		77		55	
Jul 07	91		58		88		57		92		56		88		58		93		56		90		54		82		55	
Jul 08	91		60		90		60		91		57		89		61		94		58		88		56		83		55	
Jul 09	91		65		89		60		92		60		89		64		95		61		89		59		85		55	
Jul 10	97		65		95		63		101		60		94		63		100		62		95		58		92		55	
Jul 11	99		64		98		57		102		59		96		61		104		59		96		57		88		57	
Jul 12	91		64		87		62		93		59		86		65		91		62		84		59		79		58	
Jul 13	94		59		85		60		99		61		84		59		90		59		86		57		83		57	
Jul 14	99		62		92		59		91		56		91		65		96		57		94		57		91		56	
Jul 15	101		65		100		63		96		60		97		63		103		65		102		63		97		62	
Jul 16	101		69		100		67		97		59		99		64		105		68		99		65		93		62	
Jul 17	102		65		93		63		93		57		94		64		99		65		94		62		92		57	
Jul 18	100		65		97		63		97		57		96		65		104		66		96		62		95		58	
Jul 19	101		65		97		61		94		55		95		63		100		64		96		59		93		55	
Jul 20	93		62		92		59		87		53		92		62		96		59		89		57		85		53	
Jul 21	92		58		84		57		79		53		85		60		88		58		81		55		80		53	
Jul 22	94		58		91		56		90		50		90		56		97		54		90		53		89		52	
Jul 23	94		61		92		59		92		54		90		60		97		59		93		57		89		54	
Jul 24	98		61		96		58		92		54		95		59		100		58		94		54		90		56	
Jul 25	95		63		90		59		87		54		92		61		96		60		88		57		83		56	
Jul 26	89		59		84		58		81		54		85		58		87		57		81		55		75		56	
Jul 27	87		58		83		56		81		53		81		55		87		56		82		54		78		54	
Jul 28	89		54		87		55		86		50		88		53		91		54		91		53		82		54	
Jul 29	92		55		89		56		89		49		89		55		93		55		90		53		87		51	
Jul 30	91		56		88		57		88		48		89		54		92		54		88		53		86		52	
Jul 31	91		57		88		54		86		51		88		55		92		56		89		53		86		52	

Table 2. 2010 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	58	91	55	90	48	91	55	95	55	91	52	88	51
Aug 02	93	58	89	57	88	52	90	56	94	59	89	55	87	52
Aug 03	95	59	92	57	92	50	91	56	97	55	93	50	91	55
Aug 04	93	60	90	59	87	54	90	57	95	58	88	56	86	54
Aug 05	91	61	87	55	82	51	88	55	90	54	87	53	81	51
Aug 06	95	60	90	53	88	48	89	55	94	54	91	53	86	51
Aug 07	93	60	89	55	86	51	88	58	93	57	89	55	84	53
Aug 08	87	58	85	55	79	55	85	57	88	58	83	56	80	53
Aug 09	87	57	85	55	84	52	85	56	89	56	86	54	82	53
Aug 10	87	55	85	55	83	50	85	55	91	56	87	54	83	52
Aug 11	90	54	79	54	77	53	79	53	81	54	78	53	75	52
Aug 12	92	57	90	53	87	49	85	53	91	52	91	52	86	52
Aug 13	91	58	88	60	88	53	88	58	92	60	89	57	84	53
Aug 14	89	56	87	55	84	51	87	56	91	57	88	55	81	54
Aug 15	93	55	89	55	86	51	88	56	92	56	90	54	83	55
Aug 16	94	60	92	56	92	51	90	58	96	59	93	54	90	52
Aug 17	91	57	88	56	89	52	88	58	94	58	88	56	82	51
Aug 18	95	52	85	50	84	48	84	49	89	54	86	53	82	48
Aug 19	96	57	93	53	91	50	91	52	95	52	95	47	89	47
Aug 20	91	58	88	58	87	53	88	55	95	57	90	54	87	51
Aug 21	86	54	81	55	81	52	79	54	83	55	79	53	75	51
Aug 22	100	54	85	54	84	49	86	51	87	54	84	51	84	46
Aug 23	104	58	97	58	95	60	95	59	100	65	95	52	93	52
Aug 24	105	60	102	57	103	59	100	56	106	60	98	57	98	55
Aug 25	104	64	107	60	105	60	99	60	107	66	112	60	102	62
Aug 26	91	63	89	65	91	58	90	61	95	64	89	61	86	56
Aug 27	84	57	85	54	83	53	83	55	88	56	84	55	83	50
Aug 28	83	57	72	56	76	55	68	57	77	58	76	57	74	53
Aug 29	83	54	80	56	78	50	78	54	82	57	84	54	78	47
Aug 30	93	52	80	51	80	50	79	52	83	55	80	53	78	48
Aug 31	100	58	89	53	89	49	88	50	92	52	86	51	87	49
Sep 01	101	52	96	55	94	59	95	54	98	54	95	53	93	53
Sep 02	97	63	96	59	100	55	93	59	99	61	102	57	98	55
Sep 03	92	61	97	56	96	55	95	57	100	59	101	56	94	56
Sep 04	95	54	92	56	91	51	90	55	95	54	94	54	90	51
Sep 05	97	53	91	54	91	53	90	53	94	55	89	56	90	53
Sep 06	97	55	94	59	93	63	94	57	95	64	99	52	91	51
Sep 07	88	54	85	51	83	57	83	52	87	55	82	56	79	50
Sep 08	75	58	74	59	72	54	70	55	76	56	72	56	71	51
Sep 09	87	52	75	51	75	53	75	49	78	51	78	51	75	48
Sep 10	90	56	84	50	84	49	81	49	86	50	87	50	85	47
Sep 11	89	56	87	49	88	50	85	51	91	52	88	51	87	48
Sep 12	90	57	91	51	89	53	88	52	91	54	96	52	86	50
Sep 13	85	52	84	52	81	50	83	52	85	55	83	53	77	52
Sep 14	87	51	85	50	85	44	84	48	87	50	87	46	82	44
Sep 15	87	52	85	50	85	48	85	48	89	50	88	51	83	45
Sep 16	88	53	87	53	87	49	85	53	89	54	92	53	84	56
Sep 17	83	55	83	62	86	59	82	57	86	60	83	59	77	56
Sep 18	84	57	83	61	81	56	81	58	86	60	81	56	77	56
Sep 19	82	59	77	59	76	55	75	59	78	59	77	56	77	53
Sep 20	83	55	82	56	83	51	81	52	84	54	82	52	81	52
Sep 21	80	52	79	51	76	51	76	50	81	52	77	52	76	48
Sep 22	81	49	75	50	75	48	74	48	77	52	77	50	75	46
Sep 23	84	48	82	52	84	48	82	48	84	50	85	49	80	46
Sep 24	86	55	90	49	88	51	90	49	92	50	89	47	87	46
Sep 25	93	50	92	48	93	51	92	50	96	51	92	49	91	47
Sep 26	98	56	93	49	96	55	95	50	98	53	91	48	96	52
Sep 27	100	53	96	50	97	53	91	48	98	52	105	49	95	50
Sep 28	105	57	99	59	100	59	98	60	103	59	99	53	98	56
Sep 29	105	57	99	54	102	66	100	55	102	64	102	54	99	59
Sep 30	92	60	90	56	92	56	90	53	93	57	91	56	91	55
Oct 01	90	55	87	52	89	53	85	52	86	53	84	52	86	55
Oct 02	89	56	86	54	89	54	86	52	89	55	93	52	88	56
Oct 03	83	56	79	56	78	54	79	55	81	57	77	54	79	52
Oct 04	82	48	68	54	69	49	71	49	71	54	71	52	70	49
Oct 05	82	64	79	57	75	57	76	55	81	52	76	49	71	51
Oct 06	76	56	74	53	76	50	72	53	76	55	78	51	75	49
Oct 07	76	52	74	52	73	51	72	53	76	54	73	51	73	50
Oct 08	87	48	75	46	78	45	74	46	77	47	79	46	77	44
Oct 09	88	52	83	47	85	49	85	48	86	49	83	45	81	44
Oct 10	92	56	85	53	89	53	83	53	86	52	88	51	86	51
Oct 11	93	61	87	54	90	57	86	55	89	57	88	52	87	52
Oct 12	94	63	88	53	90	57	88	53	92	57	89	47	88	48
Oct 13	82	51	93	32	91	53	92	32	93	54	90	46	92	48
Oct 14	81	50	90	49	94	53	89	49	96	55	97	51	94	52
Oct 15	89	55	89	52	91	56	87	52	93	54	93	51	91	51
Oct 16	79	47	78	57	82	53	77	51	84	55	79	52	79	51
Oct 17	78	48	59	51	62	53	58	50	65	54	61	53	62	54
Oct 18	87	49	72	48	80	48	71	51	73	52	75	50	72	46
Oct 19	89	50	85	46	81	46	80	46	81	48	83	47	78	47
Oct 20	78	47	76	49	76	48	78	50	78	51	78	50	77	52
Oct 21	69	44	69	50	69	49	67	32	71	53	71	48	69	44
Oct 22	65	55	65	54	63	52	64	54	67	55	67	54	67	48
Oct 23	67	52	56	52	61	51	58	53	61	54	60	53	65	51
Oct 24	67	54	65	54	64	55	62	49	65	55	63	54	63	56
Oct 25	67	45	67	43	65	48	67	42	67	48	66	45	66	49
Oct 26	67	42	65	32	65	42	64	36	67	45	65	38	66	42
Oct 27	61	40	62	35	63	40	65	38	63	41	64	33	64	33
Oct 28	66	48	60	50	64	48	62	50	67	53	67	45	72	45
Oct 29	64	50	62	51	60	51	62	51	64	53	64	51	65	47
Oct 30	68	55	62	54	61	50	61	52	62	55	62	53	61	51
Oct 31	75	54	68	51	68	48	69	49	70	52	70	47	70	44
Nov 01	81	49	73	32	73	48	73	46	75	50	73	42	72	42
Nov 02	81	46	75	44	74	46	75	44	76	47	77	41	77	43
Nov 03	80	51	78	48	78	49	75	48	79	52	77	47	79	47
Nov 04	72	44	77	49	78	51	78	47	79	54	80	46	81	48
Nov 05	72	44	76	50	78	49	77	50	79	53	80	49	75	49
Nov 06	73	49	77	47	72	49	75	48	78	50	75	47	72	47
Nov 07	63	54	63	43	61	48	60	40	60	47	59	44	58	49
Nov 08	62	37	62	37	60	38	62	34	61	41	60	34	61	40
Nov 09	63	36	57	36	61	37	55	33	59	38	60	33	63	34
Nov 10	68	44	60	41	60	43	61	39	61	44	60	42	61	44
Nov 11	68	44	64	38	65	39	66	36	66	43	64	37	66	37
Nov 12	73	36	64	35	65	33	64	33	65	38	63	34	65	34
Nov 13	83	53	69	50	72	51	68	46	71	45	70	35	67	35
Nov 14	82	55	78	51	79	54	77	47	80	55	78	47	69	39
Nov 15	78	52	77	54	78	59	77	52	80	55	78	47	74	43
Nov 16	72	46	71	44	73	46	71	41	72	45	70	39	70	40
Nov 17	66	37	66	34	69	39	67	34	69	40	69	34	69	33
Nov 18	63	39	66	32	65	43	66	32	67	44	68	42	64	35
Nov 19	62	40	58	45	57	43	56	44	57	46	59	44	57	45
Nov 20	59	39	51	42	52	42	49	43	52	43	53	41	53	41
Nov 21	59	38	56	40	56	40	54	41	54	43	54	41	55	41
Nov 22	56	34	58	42	55	42	55	44	55	44	55	42	55	45
Nov 23	60	39	58	32	57	36	54	36	58	37	58	35	56	34
Nov 24	60	38	50	33	49	32	50	28	51	31	50	27	50	30
Nov 25	61	38	52	30	51	31	49	29	51	30	51	24	50	25
Nov 26	60	37	53	28	52	30	53	27	54	33	53	27	55	26
Nov 27	60	39	53	33	50	37	48	32	49	39	49	36	48	38
Nov 28	61	38	50	28	50	30	51	30	52	35	50	29	51	29
Nov 29	53	28	54	31	51	33	54	29	55	33	52	26	53	27
Nov 30	58	34	51	34	51	31	52	33	53	35	54	31	53	30

Table 3. 2010 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	**9690 (1)**	11030 (3)	9410 (2)	8860 (1)	9450 (1)	18.5 (10)	4.9 (7)	96 (10)	1 (7)	36 (16)
05Y343	SWX	**8860 (2)**	12140 (1)	6530 (13)	8000 (8)	8810 (2)	21.8 (1)	4.8 (16)	100 (17)	9 (14)	36 (10)
M206	M	**8740 (3)**	11290 (2)	7890 (7)	8210 (5)	7560 (18)	20.3 (4)	4.9 (7)	95 (9)	3 (11)	36 (13)
L206	L	**8660 (4)**	10200 (11)	8050 (6)	8230 (4)	8170 (8)	16.8 (16)	4.9 (13)	95 (7)	1 (1)	31 (1)
05Y471	M	**8650 (5)**	10600 (5)	8350 (4)	7430 (16)	8210 (7)	19.5 (7)	4.8 (17)	91 (3)	5 (12)	36 (15)
CM101	S	**8560 (6)**	9470 (13)	9500 (1)	7190 (17)	8070 (9)	17.7 (14)	5.0 (3)	90 (2)	39 (17)	35 (7)
S102	S	**8550 (7)**	9380 (14)	9360 (3)	7520 (14)	7950 (11)	16.7 (17)	4.9 (7)	87 (1)	32 (15)	35 (8)
07Y508	L	**8530 (8)**	10040 (12)	7820 (8)	8370 (3)	7890 (13)	18.4 (11)	4.9 (15)	94 (6)	1 (1)	37 (17)
07Y843	M	**8420 (9)**	10610 (4)	6810 (11)	7930 (10)	8340 (5)	20.0 (5)	5.0 (5)	93 (4)	2 (8)	36 (11)
06Y513	L	**8290 (10)**	10400 (7)	6620 (12)	7940 (9)	8220 (6)	17.8 (13)	4.9 (7)	98 (13)	1 (1)	33 (2)
04Y177	S	**8210 (11)**	8810 (16)	7350 (9)	8810 (2)	7870 (14)	17.9 (12)	4.9 (11)	93 (5)	38 (16)	33 (4)
09Y1094	L	**8180 (12)**	9180 (15)	7000 (10)	7760 (12)	8780 (3)	17.5 (15)	5.0 (5)	99 (16)	1 (1)	33 (3)
M202	M	**8160 (13)**	10470 (6)	6520 (14)	7890 (11)	7760 (15)	20.4 (3)	5.0 (2)	96 (11)	1 (6)	35 (9)
07Y186	MPQ	**8120 (14)**	10380 (8)	6510 (15)	7660 (13)	7910 (12)	19.9 (6)	5.0 (4)	95 (8)	2 (9)	36 (14)
07Y293	SPQ	**7460 (15)**	10300 (9)	3390 (18)	8120 (6)	8020 (10)	21.5 (2)	4.9 (11)	98 (15)	3 (10)	36 (12)
09Y1053	L	**7270 (16)**	10230 (10)	4160 (16)	7120 (18)	7570 (17)	19.0 (8)	4.9 (14)	98 (14)	1 (1)	34 (6)
CH201	S	**6800 (17)**	8340 (17)	3800 (17)	7450 (15)	7630 (16)	18.9 (9)	5.0 (1)	98 (12)	7 (13)	33 (5)
* M104	M	-	-	8270 (5)	8050 (7)	8360 (4)	-	-	-	-	-
MEAN		**8300**	10170	7070	7920	8140	19	4.9	95	9	35
CV		**7.8**	7.3	10.5	7.2	6.1	4.9	1.5	1.5	111.2	3.3
LSD (.05)		**450**	1060	1050	810	700	0.6	0.1	1	7	1

Preliminary Lines and Varieties

08Y3076	M	**9370 (1)**	11070 (1)	8820 (8)	8580 (4)	9000 (1)	19.1 (14)	5.0 (4)	96 (17)	10 (24)	36 (23)
08Y2049	SSR	**9230 (2)**	10790 (3)	8970 (6)	8870 (1)	8280 (2)	19.1 (13)	5.0 (4)	89 (1)	12 (28)	34 (7)
09Y2036	S	**9020 (3)**	10270 (10)	9550 (3)	8450 (5)	7800 (7)	19.1 (15)	5.0 (9)	93 (8)	20 (30)	36 (27)
08Y3016	M	**8690 (4)**	9370 (26)	9190 (5)	8200 (8)	8010 (4)	19.5 (10)	5.0 (4)	90 (2)	11 (25)	35 (21)
08Y3224	M	**8580 (5)**	10900 (2)	7590 (17)	7870 (13)	7950 (5)	18.7 (20)	4.9 (17)	94 (11)	11 (25)	35 (16)
08Y3036	M	**8480 (6)**	9300 (28)	10020 (1)	6760 (28)	7830 (6)	18.1 (24)	4.9 (25)	91 (4)	3 (12)	35 (19)
08Y3225	M	**8460 (7)**	10110 (13)	7400 (20)	8680 (2)	7670 (9)	19.2 (12)	5.0 (9)	93 (10)	15 (29)	35 (13)
M206	M	**8420 (8)**	10620 (5)	7900 (12)	8140 (9)	7020 (13)	19.8 (9)	4.9 (17)	95 (15)	3 (14)	36 (25)
08Y3020	M	**8390 (9)**	9660 (21)	8860 (7)	7880 (12)	7170 (12)	19.4 (11)	5.0 (4)	91 (5)	5 (18)	35 (12)
09Y1099	L	**8390 (10)**	9950 (18)	7590 (16)	7800 (16)	8200 (3)	17.4 (27)	5.0 (9)	98 (27)	1 (1)	33 (3)
08Y3080	M	**8350 (11)**	10700 (4)	7160 (22)	8360 (6)	7170 (11)	18.5 (21)	4.9 (17)	96 (19)	5 (20)	36 (28)
09Y1043	L	**8200 (12)**	10090 (14)	7870 (13)	8000 (11)	6830 (18)	17.7 (25)	4.9 (25)	95 (14)	1 (1)	34 (11)
08Y3052	M	**8140 (13)**	9500 (23)	8760 (9)	7290 (21)	7000 (14)	18.7 (19)	4.6 (31)	90 (3)	7 (23)	36 (22)
08Y3040	M	**8100 (14)**	10280 (9)	7820 (14)	8050 (10)	6260 (23)	20.4 (5)	5.0 (9)	97 (23)	5 (19)	35 (20)
08Y3039	M	**7930 (15)**	9280 (29)	7940 (11)	8590 (3)	5910 (27)	20.2 (7)	4.9 (17)	94 (13)	4 (15)	35 (14)
08Y1092	L	**7930 (16)**	10570 (7)	5620 (30)	8280 (7)	7250 (10)	17.4 (28)	4.9 (17)	97 (25)	1 (1)	33 (6)
08Y2083	MPQ	**7900 (17)**	10380 (8)	6770 (25)	7860 (14)	6580 (20)	20.8 (3)	5.0 (9)	96 (20)	3 (12)	34 (10)
09Y1067	LJ	**7870 (18)**	10000 (15)	7590 (15)	7050 (24)	6850 (16)	18.2 (23)	5.0 (2)	97 (23)	1 (1)	35 (17)
09Y2062	SWX	**7860 (19)**	9370 (27)	9310 (4)	5910 (30)	6850 (15)	17.1 (29)	5.0 (9)	93 (9)	6 (22)	35 (17)
08Y2085	MPQ	**7860 (20)**	9980 (17)	7550 (18)	7060 (23)	6840 (17)	20.6 (4)	5.0 (4)	95 (15)	6 (21)	37 (29)
08Y2014	MPQ	**7800 (21)**	10580 (6)	6880 (24)	7080 (22)	6650 (19)	20.2 (6)	4.9 (25)	96 (22)	11 (27)	36 (24)
L205	LR	**7740 (22)**	10140 (12)	7450 (19)	7390 (18)	5970 (26)	16.8 (30)	4.9 (25)	99 (28)	1 (1)	34 (8)
08Y3041	M	**7620 (23)**	9470 (24)	7310 (21)	7350 (20)	6360 (22)	20.9 (2)	5.0 (9)	97 (25)	4 (15)	36 (26)
08Y2048	SSR	**7620 (24)**	9450 (25)	9730 (2)	6980 (25)	4310 (31)	19.9 (8)	4.9 (17)	92 (7)	1 (1)	33 (4)
08Y2025	S	**7570 (25)**	9700 (20)	6730 (26)	7640 (17)	6220 (24)	19.0 (16)	5.0 (2)	91 (6)	4 (15)	35 (15)
09Y1074	LIM	**7510 (26)**	9140 (30)	5790 (29)	7360 (19)	7760 (8)	17.7 (26)	4.9 (17)	96 (17)	1 (1)	31 (1)
08Y3185	M	**7500 (27)**	9990 (16)	6920 (23)	6640 (29)	6440 (21)	19.0 (18)	4.9 (29)	96 (20)	1 (1)	37 (30)
09Y1062	LJ	**7460 (28)**	10260 (11)	6630 (27)	7840 (15)	5120 (28)	16.8 (31)	4.9 (17)	94 (11)	1 (1)	33 (5)
09Y1013	Lsr	**7320 (29)**	9790 (19)	8050 (10)	6850 (27)	4590 (29)	19.0 (17)	4.8 (30)	101 (30)	1 (1)	34 (9)
09Y1038	L	**7260 (30)**	9630 (22)	6310 (28)	6910 (26)	6200 (25)	18.5 (22)	5.0 (9)	99 (29)	1 (1)	32 (2)
KOSH	SPQ	**5180 (31)**	5530 (31)	4810 (31)	5810 (31)	4560 (30)	21.9 (1)	5.0 (1)	104 (31)	73 (31)	42 (31)
MEAN		**7990**	9870	7710	7600	6800	19	4.9	95	7	35
CV		**8.3**	4.8	11	6.4	11.4	4.7	1.6	1.5	87.7	3.8
LSD (.05)		**660**	970	1730	1000	1580	0.9	0.1	1	6	1

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; SR = stem rot resistant, 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.

* M104 Not included in Biggs (bird damage) Advanced and over-location summaries.

Table 4. 2010 Very Early Rice Variety Test - 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)
05Y343	SWX	12140 (1)	21.4 (2)	4.8 (14)	90 (14)	28 (15)	37 (10)
M206	M	11290 (2)	22.4 (1)	4.8 (11)	88 (8)	9 (13)	40 (17)
06Y575	LR	11030 (3)	20.1 (5)	4.8 (11)	91 (16)	0 (1)	40 (17)
07Y843	M	10610 (4)	19.9 (7)	4.8 (6)	86 (6)	4 (10)	38 (12)
05Y471	M	10600 (5)	18.5 (11)	4.7 (16)	81 (2)	6 (12)	39 (16)
M202	M	10470 (6)	20.7 (4)	4.9 (2)	90 (15)	1 (9)	38 (11)
06Y513	L	10400 (7)	18.7 (10)	4.8 (11)	92 (18)	0 (1)	34 (3)
07Y186	MPQ	10380 (8)	19.9 (8)	4.9 (4)	89 (11)	0 (1)	39 (14)
07Y293	SPQ	10300 (9)	21.0 (3)	4.8 (6)	90 (13)	0 (1)	36 (7)
09Y1053	L	10230 (10)	18.7 (9)	4.7 (16)	89 (12)	0 (1)	36 (6)
L206	L	10200 (11)	16.4 (17)	4.7 (15)	87 (7)	0 (1)	32 (1)
07Y508	L	10040 (12)	20.0 (6)	4.6 (18)	88 (9)	0 (1)	39 (15)
CM101	S	9470 (13)	18.3 (12)	4.9 (3)	82 (4)	60 (17)	39 (13)
S102	S	9380 (14)	15.4 (18)	4.8 (5)	81 (3)	35 (16)	36 (8)
09Y1094	L	9180 (15)	18.1 (13)	4.8 (6)	92 (17)	0 (1)	35 (5)
04Y177	S	8810 (16)	16.6 (16)	4.8 (6)	85 (5)	70 (18)	34 (2)
CH201	S	8340 (17)	17.6 (14)	5.0 (1)	88 (9)	18 (14)	34 (4)
M104	M	- (-)	17.2 (15)	4.8 (6)	79 (1)	5 (11)	36 (9)
MEAN		10170	18.9	4.8	87	13	37
CV		7.3	7.6	1.2	1.5	74.3	3
LSD (.05)		1060	2	0.1	2	14	2

Preliminary Lines and Varieties

08Y3076	M	11070 (1)	19.4 (9)	4.9 (4)	87 (17)	25 (25)	37 (15)
08Y3224	M	10900 (2)	17.8 (23)	4.8 (17)	82 (4)	30 (27)	37 (11)
08Y2049	SSR	10790 (3)	18.8 (16)	4.9 (4)	83 (6)	3 (12)	36 (8)
08Y3080	M	10700 (4)	17.3 (27)	4.8 (17)	86 (12)	17 (20)	38 (24)
M206	M	10620 (5)	19.6 (7)	4.8 (17)	86 (12)	10 (16)	38 (19)
08Y2014	MPQ	10580 (6)	19.9 (6)	4.7 (25)	88 (19)	33 (28)	38 (19)
08Y1092	L	10570 (7)	18.8 (16)	4.7 (23)	90 (25)	0 (1)	35 (5)
08Y2083	MPQ	10380 (8)	20.6 (2)	4.8 (9)	88 (19)	8 (13)	36 (8)
08Y3040	M	10280 (9)	19.4 (9)	4.8 (9)	87 (17)	18 (21)	38 (19)
09Y2036	S	10270 (10)	17.9 (22)	4.8 (9)	87 (14)	70 (30)	38 (19)
09Y1062	LJ	10260 (11)	16.2 (30)	4.7 (25)	85 (11)	0 (1)	37 (10)
L205	LR	10140 (12)	18.1 (20)	4.7 (28)	92 (28)	0 (1)	35 (6)
08Y3225	M	10110 (13)	19.6 (7)	4.8 (9)	84 (8)	33 (28)	37 (12)
09Y1043	L	10090 (14)	19.1 (13)	4.7 (28)	88 (19)	0 (1)	36 (7)
09Y1067	LJ	10000 (15)	17.7 (24)	4.9 (3)	88 (23)	0 (1)	39 (27)
08Y3185	M	9990 (16)	17.5 (26)	4.7 (30)	87 (14)	0 (1)	39 (29)
08Y2085	MPQ	9980 (17)	20.0 (5)	4.9 (4)	90 (26)	18 (21)	40 (30)
09Y1099	L	9950 (18)	18.6 (19)	4.8 (17)	93 (30)	0 (1)	35 (3)
09Y1013	Lsr	9790 (19)	19.3 (11)	4.5 (31)	93 (29)	0 (1)	37 (13)
08Y2025	S	9700 (20)	16.0 (31)	4.9 (2)	82 (4)	13 (17)	38 (17)
08Y3020	M	9660 (21)	18.7 (18)	4.9 (4)	80 (1)	8 (13)	38 (17)
09Y1038	L	9630 (22)	19.3 (12)	4.8 (16)	92 (27)	0 (1)	35 (3)
08Y3052	M	9500 (23)	17.2 (28)	4.8 (9)	80 (3)	25 (25)	38 (26)
08Y3041	M	9470 (24)	20.1 (3)	4.8 (9)	88 (19)	13 (17)	39 (28)
08Y2048	SSR	9450 (25)	17.7 (24)	4.8 (17)	84 (8)	0 (1)	34 (1)
08Y3016	M	9370 (26)	20.1 (4)	4.9 (4)	80 (1)	20 (23)	38 (24)
09Y2062	SWX	9370 (27)	16.5 (29)	4.8 (9)	87 (14)	20 (23)	37 (16)
08Y3036	M	9300 (28)	17.9 (21)	4.7 (25)	83 (7)	8 (13)	38 (19)
08Y3039	M	9280 (29)	18.9 (15)	4.8 (17)	84 (10)	13 (17)	37 (13)
09Y1074	LIM	9140 (30)	19.0 (14)	4.7 (23)	90 (24)	0 (1)	34 (2)
KOSH	SPQ	5530 (31)	24.4 (1)	5.0 (1)	100 (31)	100 (31)	44 (31)
MEAN		9870	18.7	4.8	87	15	37
CV		4.8	8.1	1.2	2	42.4	3.5
LSD (.05)		970	3.1	0.1	3	13	3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; SR = stem rot resistant, 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.

* M104 Yield not included in Advanced test (bird damage).

Table 5. 2010 Very Early 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)
CM101	S	9500 (1)	19.6 (12)	5.0 (1)	82 (2)	94 (18)	34 (7)
06Y575	LR	9410 (2)	18.8 (14)	5.0 (1)	91 (12)	1 (1)	35 (11)
S102	S	9360 (3)	19.0 (13)	5.0 (14)	81 (1)	84 (17)	35 (14)
05Y471	M	8350 (4)	19.8 (9)	5.0 (14)	86 (4)	11 (14)	35 (13)
M104	M	8270 (5)	20.2 (8)	5.0 (1)	84 (3)	22 (15)	36 (16)
L206	L	8050 (6)	18.4 (16)	5.0 (14)	89 (7)	1 (1)	30 (1)
M206	M	7890 (7)	19.7 (11)	5.0 (1)	90 (10)	1 (1)	35 (12)
07Y508	L	7820 (8)	18.6 (15)	5.0 (1)	87 (5)	1 (1)	36 (18)
04Y177	S	7350 (9)	19.7 (10)	5.0 (14)	87 (5)	49 (16)	34 (7)
09Y1094	L	7000 (10)	17.9 (18)	5.0 (1)	93 (15)	1 (1)	32 (4)
07Y843	M	6810 (11)	21.4 (4)	5.0 (1)	90 (8)	1 (1)	36 (15)
06Y513	L	6620 (12)	18.2 (17)	5.0 (1)	95 (16)	1 (1)	31 (2)
05Y343	SWX	6530 (13)	23.4 (2)	5.0 (1)	93 (14)	1 (1)	34 (9)
M202	M	6520 (14)	20.7 (6)	5.0 (1)	91 (12)	1 (1)	34 (6)
07Y186	MPQ	6510 (15)	21.4 (5)	5.0 (1)	90 (9)	1 (1)	35 (10)
09Y1053	L	4160 (16)	20.6 (7)	5.0 (1)	90 (10)	1 (1)	32 (3)
CH201	S	3800 (17)	22.8 (3)	5.0 (1)	96 (17)	1 (1)	33 (5)
07Y293	SPQ	3390 (18)	24.3 (1)	5.0 (14)	96 (18)	1 (1)	36 (17)
MEAN		7070	20.3	5.0	89	15	34
CV		10.5	3.6	0.9	0.7	84.9	3.3
LSD (.05)		1050	1		1	18	2

Preliminary Lines and Varieties

08Y3036	M	10020 (1)	18.8 (23)	5.0 (1)	82 (3)	1 (1)	34 (15)
08Y2048	SSR	9730 (2)	21.3 (6)	5.0 (1)	80 (2)	1 (1)	34 (8)
09Y2036	S	9550 (3)	20.3 (13)	5.0 (1)	84 (5)	8 (24)	36 (28)
09Y2062	SWX	9310 (4)	18.5 (25)	5.0 (1)	85 (7)	1 (1)	35 (19)
08Y3016	M	9190 (5)	20.8 (8)	5.0 (1)	88 (11)	21 (28)	34 (8)
08Y2049	SSR	8970 (6)	20.7 (11)	5.0 (1)	79 (1)	45 (30)	34 (8)
08Y3020	M	8860 (7)	20.1 (15)	5.0 (1)	85 (7)	11 (25)	35 (18)
08Y3076	M	8820 (8)	19.3 (21)	5.0 (1)	91 (21)	11 (25)	36 (25)
08Y3052	M	8760 (9)	19.1 (22)	4.3 (31)	83 (4)	1 (1)	34 (8)
09Y1013	Lsr	8050 (10)	17.7 (30)	5.0 (1)	95 (27)	1 (1)	32 (5)
08Y3039	M	7940 (11)	21.1 (7)	5.0 (1)	89 (12)	1 (1)	34 (12)
M206	M	7900 (12)	20.0 (16)	5.0 (1)	90 (14)	1 (1)	36 (27)
09Y1043	L	7870 (13)	18.1 (27)	5.0 (1)	86 (9)	1 (1)	35 (23)
08Y3040	M	7820 (14)	21.5 (5)	5.0 (1)	90 (14)	1 (1)	35 (24)
09Y1067	LJ	7590 (15)	19.6 (20)	5.0 (1)	91 (21)	1 (1)	35 (19)
09Y1099	L	7590 (16)	17.8 (29)	5.0 (1)	93 (26)	1 (1)	31 (4)
08Y3224	M	7590 (17)	19.6 (19)	5.0 (1)	90 (14)	11 (25)	35 (19)
08Y2085	MPQ	7550 (18)	20.7 (12)	5.0 (1)	90 (14)	1 (1)	36 (28)
L205	LR	7450 (19)	16.5 (31)	5.0 (1)	91 (21)	1 (1)	33 (6)
08Y3225	M	7400 (20)	19.9 (17)	5.0 (1)	90 (14)	21 (28)	34 (12)
08Y3041	M	7310 (21)	22.5 (2)	5.0 (1)	95 (28)	1 (1)	34 (17)
08Y3080	M	7160 (22)	20.2 (14)	5.0 (1)	95 (28)	1 (1)	35 (19)
08Y3185	M	6920 (23)	20.8 (9)	5.0 (1)	91 (21)	1 (1)	36 (30)
08Y2014	MPQ	6880 (24)	20.7 (10)	5.0 (1)	95 (28)	1 (1)	36 (25)
08Y2083	MPQ	6770 (25)	22.2 (3)	5.0 (1)	90 (14)	1 (1)	34 (12)
08Y2025	S	6730 (26)	21.7 (4)	5.0 (1)	84 (5)	1 (1)	34 (15)
09Y1062	LJ	6630 (27)	17.8 (28)	5.0 (1)	86 (9)	1 (1)	31 (2)
09Y1038	L	6310 (28)	19.7 (18)	5.0 (1)	91 (21)	1 (1)	31 (3)
09Y1074	LIM	5790 (29)	18.6 (24)	5.0 (1)	90 (14)	1 (1)	30 (1)
08Y1092	L	5620 (30)	18.2 (26)	5.0 (1)	89 (12)	1 (1)	33 (7)
KOSH	SPQ	4810 (31)	23.4 (1)	5.0 (1)	95 (28)	97 (31)	43 (31)
MEAN		7710	19.9	5.0	89	8	34
CV		11	3	2.6	0.4	133.4	2.7
LSD (.05)		1730	1.2	0.3	1	22	2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; SR = stem rot resistant, 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 6. 2010 Very Early Rice Variety Test - Yolo

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	8860 (1)	20.3 (9)	5.0 (1)	99 (15)	3 (11)	39 (14)
04Y177	S	8810 (2)	18.9 (15)	5.0 (1)	91 (4)	33 (18)	35 (6)
07Y508	L	8370 (3)	19.5 (12)	5.0 (1)	96 (12)	1 (1)	39 (18)
L206	L	8230 (4)	18.1 (16)	5.0 (1)	96 (14)	1 (1)	33 (1)
M206	M	8210 (5)	21.4 (4)	5.0 (1)	95 (9)	2 (9)	38 (10)
07Y293	SPQ	8120 (6)	21.4 (5)	5.0 (1)	96 (10)	11 (17)	39 (16)
M104	M	8050 (7)	20.2 (10)	5.0 (1)	90 (3)	1 (1)	38 (12)
05Y343	SWX	8000 (8)	22.7 (1)	4.6 (18)	103 (16)	6 (13)	38 (8)
06Y513	L	7940 (9)	19.9 (11)	5.0 (1)	96 (12)	1 (1)	35 (3)
07Y843	M	7930 (10)	20.9 (7)	5.0 (1)	91 (5)	2 (9)	38 (8)
M202	M	7890 (11)	22.4 (3)	5.0 (1)	92 (6)	1 (1)	39 (15)
09Y1094	L	7760 (12)	19.3 (13)	5.0 (1)	103 (17)	1 (1)	35 (2)
07Y186	MPQ	7660 (13)	20.9 (8)	5.0 (1)	93 (7)	7 (14)	39 (16)
S102	S	7520 (14)	16.9 (18)	5.0 (1)	88 (1)	9 (16)	38 (11)
CH201	S	7450 (15)	19.0 (14)	5.0 (1)	96 (11)	8 (15)	35 (4)
05Y471	M	7430 (16)	22.6 (2)	4.7 (17)	94 (8)	1 (1)	38 (13)
CM101	S	7190 (17)	17.0 (17)	5.0 (1)	90 (2)	3 (11)	36 (7)
09Y1053	L	7120 (18)	21.1 (6)	5.0 (1)	104 (18)	1 (1)	35 (5)
MEAN		7920	20.1	5.0	95	5	37
CV		7.2	3.4	2.5	1.4	210	2.9
LSD (.05)		810	1	0.2	2	15	2

Preliminary Lines and Varieties

08Y2049	SSR	8870 (1)	19.3 (23)	5.0 (1)	91 (4)	1 (1)	35 (6)
08Y3225	M	8680 (2)	20.4 (14)	5.0 (1)	92 (7)	8 (29)	37 (15)
08Y3039	M	8590 (3)	21.6 (7)	5.0 (1)	91 (4)	1 (1)	37 (17)
08Y3076	M	8580 (4)	20.9 (11)	5.0 (1)	95 (19)	3 (26)	38 (19)
09Y2036	S	8450 (5)	20.3 (16)	5.0 (1)	92 (7)	1 (1)	38 (21)
08Y3080	M	8360 (6)	19.8 (20)	5.0 (1)	92 (10)	3 (26)	39 (27)
08Y1092	L	8280 (7)	18.0 (29)	5.0 (1)	99 (27)	1 (1)	35 (5)
08Y3016	M	8200 (8)	19.8 (19)	5.0 (1)	90 (3)	1 (1)	38 (22)
M206	M	8140 (9)	22.1 (3)	5.0 (1)	94 (16)	1 (1)	39 (24)
08Y3040	M	8050 (10)	22.1 (5)	5.0 (1)	94 (16)	1 (1)	37 (15)
09Y1043	L	8000 (11)	19.0 (24)	5.0 (1)	96 (23)	1 (1)	35 (8)
08Y3020	M	7880 (12)	21.5 (8)	5.0 (1)	92 (7)	1 (1)	35 (10)
08Y3224	M	7870 (13)	20.6 (13)	5.0 (1)	95 (21)	1 (1)	38 (22)
08Y2083	MPQ	7860 (14)	22.5 (2)	5.0 (1)	95 (19)	1 (1)	35 (8)
09Y1062	LJ	7840 (15)	18.6 (27)	5.0 (1)	96 (22)	1 (1)	36 (11)
09Y1099	L	7800 (16)	18.5 (28)	5.0 (1)	97 (25)	1 (1)	34 (4)
08Y2025	S	7640 (17)	18.8 (25)	5.0 (1)	89 (2)	1 (1)	36 (12)
L205	LR	7390 (18)	17.9 (30)	5.0 (1)	102 (31)	1 (1)	35 (7)
09Y1074	LIM	7360 (19)	18.8 (26)	5.0 (1)	97 (24)	1 (1)	32 (1)
08Y3041	M	7350 (20)	22.1 (3)	5.0 (1)	93 (12)	1 (1)	39 (25)
08Y3052	M	7290 (21)	21.9 (6)	4.5 (31)	93 (11)	1 (1)	39 (27)
08Y2014	MPQ	7080 (22)	21.5 (9)	5.0 (1)	93 (12)	11 (30)	40 (30)
08Y2085	MPQ	7060 (23)	23.4 (1)	5.0 (1)	91 (4)	3 (26)	39 (29)
09Y1067	LJ	7050 (24)	20.0 (18)	5.0 (1)	98 (26)	1 (1)	37 (14)
08Y2048	SSR	6980 (25)	20.8 (12)	5.0 (1)	94 (15)	1 (1)	33 (3)
09Y1038	L	6910 (26)	20.2 (17)	5.0 (1)	101 (29)	1 (1)	33 (2)
09Y1013	Lsr	6850 (27)	19.6 (21)	4.7 (30)	101 (28)	1 (1)	36 (12)
08Y3036	M	6760 (28)	19.5 (22)	5.0 (1)	89 (1)	1 (1)	37 (17)
08Y3185	M	6640 (29)	20.4 (14)	5.0 (1)	94 (16)	1 (1)	39 (25)
09Y2062	SWX	5910 (30)	17.8 (31)	5.0 (1)	93 (12)	1 (1)	38 (20)
KOSH	SPQ	5810 (31)	20.9 (10)	5.0 (1)	101 (29)	93 (31)	42 (31)
MEAN		7600	20.3	5.0	94	5	37
CV		6.4	2.7	1.5	1.4	59.3	5
LSD (.05)		1000	1.1	0.1	3	6	4

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; SR = stem rot resistant, 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 7. 2010 Very Early Rice Variety Test - 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	9450 (1)	15.0 (15)	5.0 (1)	104 (4)	1 (1)	33 (16)
05Y343	SWX	8810 (2)	19.6 (1)	5.0 (1)	115 (18)	1 (1)	33 (17)
09Y1094	L	8780 (3)	14.8 (16)	5.0 (1)	109 (10)	1 (1)	30 (5)
M104	M	8360 (4)	17.8 (4)	5.0 (1)	101 (2)	1 (1)	30 (5)
07Y843	M	8340 (5)	17.7 (5)	5.0 (1)	104 (5)	1 (1)	31 (9)
06Y513	L	8220 (6)	14.5 (18)	5.0 (1)	109 (10)	1 (1)	30 (5)
05Y471	M	8210 (7)	17.0 (8)	5.0 (1)	103 (3)	1 (1)	32 (13)
L206	L	8170 (8)	14.5 (17)	5.0 (1)	106 (7)	1 (1)	30 (2)
CM101	S	8070 (9)	16.0 (11)	5.0 (1)	107 (8)	1 (1)	31 (8)
07Y293	SPQ	8020 (10)	19.4 (2)	5.0 (1)	112 (16)	1 (1)	32 (12)
S102	S	7950 (11)	15.5 (13)	5.0 (1)	99 (1)	1 (1)	30 (2)
07Y186	MPQ	7910 (12)	17.3 (7)	5.0 (1)	109 (9)	1 (1)	32 (14)
07Y508	L	7890 (13)	15.6 (12)	5.0 (1)	105 (6)	1 (1)	33 (18)
04Y177	S	7870 (14)	16.4 (9)	5.0 (1)	110 (14)	1 (1)	30 (1)
M202	M	7760 (15)	17.8 (3)	5.0 (1)	111 (15)	1 (1)	31 (10)
CH201	S	7630 (16)	16.1 (10)	5.0 (1)	112 (17)	1 (1)	30 (4)
09Y1053	L	7570 (17)	15.5 (14)	5.0 (1)	110 (13)	1 (1)	32 (14)
M206	M	7560 (18)	17.6 (6)	5.0 (1)	109 (10)	1 (1)	31 (11)
MEAN		8140	16.6	5.0	107	1	31
CV		6.1	3.1		1.9		3.8
LSD (.05)		700	0.7		3		2

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08Y3076	M	9000 (1)	16.9 (18)	5.0 (1)	110 (15)	1 (1)	33 (29)
08Y2049	SSR	8280 (2)	17.8 (12)	5.0 (1)	102 (1)	1 (1)	30 (2)
09Y1099	L	8200 (3)	14.7 (27)	5.0 (1)	109 (8)	1 (1)	31 (11)
08Y3016	M	8010 (4)	17.4 (13)	5.0 (1)	103 (2)	1 (1)	32 (18)
08Y3224	M	7950 (5)	16.7 (21)	5.0 (1)	109 (8)	1 (1)	31 (6)
08Y3036	M	7830 (6)	16.4 (22)	5.0 (1)	109 (8)	1 (1)	32 (18)
09Y2036	S	7800 (7)	17.9 (11)	5.0 (1)	109 (8)	1 (1)	33 (26)
09Y1074	LIM	7760 (8)	14.3 (31)	5.0 (1)	106 (4)	1 (1)	29 (1)
08Y3225	M	7670 (9)	17.0 (17)	5.0 (1)	108 (6)	1 (1)	31 (9)
08Y1092	L	7250 (10)	14.6 (30)	5.0 (1)	109 (8)	1 (1)	30 (4)
08Y3080	M	7170 (11)	16.7 (20)	5.0 (1)	110 (18)	1 (1)	33 (28)
08Y3020	M	7170 (12)	17.4 (14)	5.0 (1)	108 (6)	1 (1)	31 (11)
M206	M	7020 (13)	17.4 (15)	5.0 (1)	112 (25)	1 (1)	32 (21)
08Y3052	M	7000 (14)	16.9 (19)	5.0 (1)	105 (3)	1 (1)	31 (11)
09Y2062	SWX	6850 (15)	15.7 (23)	5.0 (1)	107 (5)	1 (1)	31 (11)
09Y1067	LJ	6850 (16)	15.5 (24)	5.0 (1)	109 (8)	1 (1)	31 (6)
08Y2085	MPQ	6840 (17)	18.5 (9)	5.0 (1)	110 (18)	1 (1)	33 (26)
09Y1043	L	6830 (18)	14.6 (28)	5.0 (1)	110 (18)	1 (1)	32 (18)
08Y2014	MPQ	6650 (19)	18.8 (7)	5.0 (1)	110 (18)	1 (1)	31 (9)
08Y2083	MPQ	6580 (20)	18.0 (10)	5.0 (1)	111 (22)	1 (1)	32 (25)
08Y3185	M	6440 (21)	17.1 (16)	5.0 (1)	112 (25)	1 (1)	34 (30)
08Y3041	M	6360 (22)	19.0 (5)	5.0 (1)	111 (22)	1 (1)	32 (23)
08Y3040	M	6260 (23)	18.7 (8)	5.0 (1)	115 (29)	1 (1)	31 (16)
08Y2025	S	6220 (24)	19.5 (2)	5.0 (1)	110 (15)	1 (1)	32 (21)
09Y1038	L	6200 (25)	14.8 (25)	5.0 (1)	113 (28)	1 (1)	30 (5)
L205	LR	5970 (26)	14.8 (26)	5.0 (1)	109 (8)	1 (1)	31 (17)
08Y3039	M	5910 (27)	19.1 (4)	5.0 (1)	113 (27)	1 (1)	31 (11)
09Y1062	LJ	5120 (28)	14.6 (29)	5.0 (1)	110 (15)	1 (1)	30 (3)
09Y1013	LSR	4590 (29)	19.3 (3)	5.0 (1)	118 (30)	1 (1)	32 (23)
KOSH	SPQ	4560 (30)	18.9 (6)	5.0 (1)	120 (31)	1 (1)	38 (31)
08Y2048	SSR	4310 (31)	19.8 (1)	5.0 (1)	111 (22)	1 (1)	31 (6)
MEAN		6800	17.1	5.0	110	1	32
CV		11.4	3.1		1.8		3.2
LSD (.05)		1580	1.1		4		2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; SR = stem rot resistant, 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 8. Grain Yield (lb/acre @14% moisture) Summary of Very Early Rice Varieties by Location and Year (2006-2010)

Location	Year	**M-104**	M-202	M-206	Calmochi 101	S-102	L-205	L-206
	2006	**7970**	8960	9280	8490	9170	9350	9990
Biggs (RES)	2007	**8930**	10250	11030	6740	10730	9550	10360
	2008	**10000**	10170	10900	9960	10240	10010	11180
	2009	**7180**	8080	8940	7640	8230	9430	9710
	2010	-	10470	11290	9470	9380	10140	10200
Location Mean		**8520**	9586	10288	8460	9550	9696	10288
	2006	**8480**	8580	8780	8640	9780	7970	9030
Sutter	2007	**10680**	10740	11250	11140	11100	10000	10440
	2008	**10100**	9540	9800	10010	10190	9490	9840
	2009	**10040**	9070	9390	7870	8480	9070	10160
	2010	**8270**	6520	7890	9500	9360	7450	8050
Location Mean		**9514**	8890	9422	9432	9782	8796	9504
	2006	**8020**	8700	8360	7610	8730	8570	8290
Yolo	2007	**7510**	7220	7350	7500	7140	7010	7520
	2008	**9930**	10140	10480	9830	10340	9590	10210
	2009	**11770**	11400	12570	10760	11930	11220	10880
	2010	**8050**	7890	8210	7190	7520	7390	8230
Location Mean		**9056**	9070	9394	8578	9132	8756	9026
	2006*	**-**	**-**	**-**	**-**	**-**	**-**	**-**
San Joaquin	2007	**9050**	6130	9380	9650	10340	7430	9850
	2008	**9780**	7770	9360	9470	10000	7580	8160
	2009	**8530**	8720	8440	7650	7480	6970	8120
	2010	**8360**	7760	7560	8070	7950	5970	8170
Location Mean		**8930**	7595	8685	8710	8943	6988	8575
Loc/Years Mean		**9036**	8848	9487	8799	9373	8642	9389
Yield % M-104		**100.0**	**97.9**	**105.0**	**97.4**	**103.7**	**95.6**	**103.9**
Number of Tests		**18**	19	19	19	19	19	19

* Test location not planted in 2006.

Table 9. 2010 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 Biggs	Butte	Colusa	Yuba	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
05Y343	SWX	**10630 (1)**	11870 (1)	8880 (3)	11890 (1)	9890 (5)	22.0 (2)	4.9 (17)	91 (14)	19 (13)	40 (13)
06Y575	LR	**10360 (2)**	11010 (6)	9020 (2)	11700 (2)	9720 (6)	19.0 (12)	5.0 (4)	91 (13)	1 (1)	41 (18)
05Y471	M	**10260 (3)**	11530 (2)	8530 (6)	10930 (5)	10040 (3)	19.4 (10)	4.8 (18)	83 (3)	9 (12)	40 (17)
08Y1092	L	**10160 (4)**	11480 (3)	9410 (1)	10600 (8)	9140 (11)	17.5 (14)	4.9 (14)	88 (8)	1 (1)	36 (3)
M206	M	**10080 (5)**	10990 (7)	8440 (7)	10560 (9)	10330 (1)	20.1 (8)	4.9 (13)	85 (6)	2 (10)	40 (14)
M202	M	**9880 (6)**	10210 (14)	8190 (10)	10910 (6)	10220 (2)	21.6 (3)	5.0 (6)	90 (11)	2 (9)	41 (19)
M205	M	**9830 (7)**	10790 (9)	7950 (12)	11190 (3)	9370 (9)	22.4 (1)	4.9 (12)	93 (19)	1 (1)	38 (8)
08Y2098	MPQ	**9800 (8)**	10970 (8)	7880 (14)	10870 (7)	9470 (7)	20.7 (6)	5.0 (6)	89 (9)	24 (14)	40 (16)
L206	L	**9750 (9)**	11090 (5)	8400 (8)	10440 (10)	9070 (12)	15.7 (19)	4.9 (16)	84 (4)	1 (1)	36 (1)
09Y1013	LSR	**9750 (10)**	10720 (12)	8550 (5)	10260 (12)	9470 (8)	19.3 (11)	4.5 (19)	92 (18)	1 (1)	39 (9)
M208	M	**9700 (11)**	11370 (4)	8210 (9)	10390 (11)	8840 (15)	20.1 (7)	5.0 (10)	90 (12)	1 (1)	39 (11)
07Y732	M	**9470 (12)**	10610 (13)	7870 (15)	10120 (16)	9290 (10)	20.7 (5)	4.9 (15)	88 (7)	3 (11)	36 (2)
06Y513	L	**9390 (13)**	10770 (11)	8140 (11)	10200 (13)	8450 (17)	16.9 (17)	5.0 (2)	91 (16)	1 (8)	37 (5)
09Y1094	L	**9380 (14)**	10770 (10)	8560 (4)	10130 (15)	8070 (19)	17.1 (16)	5.0 (6)	91 (17)	1 (1)	37 (7)
S102	S	**9230 (15)**	9400 (15)	7330 (18)	10190 (14)	10010 (4)	15.9 (18)	5.0 (3)	79 (1)	42 (16)	39 (11)
08Y2082	MPQ	**9110 (16)**	9370 (17)	7660 (16)	10930 (4)	8460 (16)	21.2 (4)	5.0 (6)	91 (15)	51 (18)	40 (15)
CH201	SPQ	**8790 (17)**	9390 (16)	7900 (13)	9510 (17)	8350 (18)	17.9 (13)	5.0 (1)	89 (10)	38 (15)	37 (6)
04Y177	SPQ	**8450 (18)**	8950 (18)	7390 (17)	8510 (19)	8960 (13)	19.4 (9)	5.0 (11)	85 (5)	67 (19)	37 (4)
CM101	SWX	**8260 (19)**	7990 (19)	6770 (19)	9390 (18)	8870 (14)	17.5 (15)	5.0 (4)	83 (2)	49 (17)	39 (10)
MEAN		**9590**	10490	8160	10460	9260	19.2	4.9	88	16	38
CV		**5.4**	5.9	5.3	5.4	4.6	6.2	2	1.2	80.1	3.2
LSD (.05)		**360**	870	610	800	610	0.8	0.1	1	9	1

Preliminary Lines and Varieties

09Y2141	SWX	**10940 (1)**	10740 (13)	9540 (1)	12380 (1)	11110 (1)	20.5 (17)	4.9 (30)	84 (2)	10 (28)	41 (33)
07Y671	SSR	**10480 (2)**	11190 (3)	8960 (8)	11180 (2)	10590 (3)	22.7 (4)	4.9 (28)	89 (16)	3 (22)	38 (22)
08Y3269	M	**10430 (3)**	10930 (8)	9380 (3)	11110 (3)	10320 (7)	21.5 (6)	5.0 (6)	92 (26)	1 (3)	39 (27)
08Y3126	M	**10260 (4)**	11780 (1)	8960 (7)	10080 (19)	10220 (8)	20.3 (19)	5.0 (13)	85 (6)	6 (25)	40 (32)
08Y3168	M	**10250 (5)**	11120 (4)	9520 (2)	10310 (9)	10050 (9)	20.5 (16)	5.0 (13)	86 (13)	17 (32)	38 (21)
08Y3197	M	**10220 (6)**	11060 (6)	9030 (5)	10290 (12)	10510 (5)	20.1 (20)	5.0 (13)	86 (12)	7 (26)	39 (29)
07Y414	M	**10150 (7)**	11100 (5)	8870 (10)	10730 (5)	9880 (14)	20.7 (12)	5.0 (13)	86 (10)	4 (23)	40 (31)
08Y3182	M	**10120 (8)**	10910 (9)	8780 (13)	10230 (13)	10570 (4)	22.2 (5)	5.0 (6)	90 (20)	1 (3)	37 (12)
M206	M	**10100 (9)**	10680 (14)	8330 (17)	10870 (4)	10500 (6)	20.6 (13)	5.0 (3)	85 (7)	5 (24)	40 (30)
09Y2171	MPQ	**9970 (10)**	11490 (2)	8200 (21)	10690 (6)	9500 (19)	20.5 (15)	5.0 (6)	90 (18)	54 (33)	39 (28)
08Y3175	M	**9880 (11)**	10760 (12)	9000 (6)	10300 (10)	9480 (21)	23.2 (3)	4.9 (26)	92 (27)	1 (3)	38 (19)
08Y3140	M	**9850 (12)**	9770 (24)	8660 (16)	9890 (24)	11090 (2)	20.4 (18)	4.9 (23)	85 (8)	1 (3)	38 (25)
09Y1122	L	**9820 (13)**	10640 (15)	8740 (14)	9930 (23)	9970 (11)	17.2 (31)	4.9 (25)	90 (21)	1 (3)	36 (7)
08Y3239	M	**9750 (14)**	10870 (11)	8900 (9)	9490 (26)	9750 (17)	19.4 (23)	4.9 (28)	86 (11)	2 (20)	36 (8)
09Y1053	L	**9710 (15)**	10360 (19)	9170 (4)	10180 (16)	9150 (22)	18.5 (28)	5.0 (13)	88 (14)	1 (3)	37 (13)
08Y3232	M	**9700 (16)**	10890 (10)	7600 (27)	10390 (8)	9920 (13)	21.5 (7)	4.9 (21)	91 (22)	1 (2)	37 (11)
09Y2163	MPQ	**9660 (17)**	10590 (17)	8190 (23)	10220 (15)	9650 (18)	21.3 (9)	5.0 (12)	90 (17)	2 (19)	38 (20)
08Y3181	M	**9630 (18)**	10600 (16)	8100 (25)	9980 (21)	9840 (15)	19.5 (22)	5.0 (6)	84 (5)	10 (29)	38 (23)
08Y2101	MPQ	**9630 (19)**	10530 (18)	8790 (12)	10140 (17)	9050 (23)	20.7 (11)	5.0 (5)	91 (23)	9 (27)	36 (9)
09Y2184	SPQ	**9630 (20)**	10190 (22)	8690 (15)	10120 (18)	9500 (20)	21.0 (10)	4.9 (31)	94 (28)	14 (30)	37 (15)
09Y2136	SPQ	**9620 (21)**	10290 (20)	7960 (26)	10290 (11)	9920 (12)	21.4 (8)	4.9 (26)	85 (9)	14 (31)	37 (17)
08Y3240	M	**9490 (22)**	9410 (26)	8300 (19)	10460 (7)	9790 (16)	19.6 (21)	4.9 (22)	84 (4)	1 (1)	38 (24)
09Y1077	L	**9430 (23)**	10230 (21)	8810 (11)	9930 (22)	8740 (26)	19.4 (24)	5.0 (1)	89 (15)	2 (20)	36 (5)
08Y3147	M	**9380 (24)**	11050 (7)	7190 (29)	9310 (27)	9980 (10)	20.6 (14)	4.9 (23)	84 (3)	1 (3)	39 (26)
08Y1167	L	**9340 (25)**	10070 (23)	8190 (22)	10220 (14)	8880 (25)	18.9 (25)	5.0 (6)	94 (28)	1 (3)	34 (1)
09Y1183	LIM	**9100 (26)**	9770 (25)	8300 (18)	10050 (20)	8280 (27)	18.3 (29)	4.9 (32)	95 (30)	1 (3)	35 (4)
07Y599	LJ	**8410 (27)**	8820 (29)	8180 (24)	9160 (29)	7480 (30)	15.5 (34)	5.0 (13)	90 (19)	1 (3)	37 (18)
07Y301	SPQ	**8320 (28)**	8600 (31)	6130 (33)	9660 (25)	8900 (24)	23.3 (2)	5.0 (4)	95 (31)	1 (3)	36 (10)
07Y489	LA	**8260 (29)**	8950 (27)	8210 (20)	8300 (31)	7590 (28)	17.4 (30)	4.9 (32)	82 (1)	1 (3)	36 (6)
08Y1109	LJ	**8000 (30)**	8520 (33)	6860 (31)	9250 (28)	7360 (31)	18.6 (27)	4.8 (34)	95 (32)	1 (3)	37 (16)
A201	LA	**7960 (31)**	8530 (32)	7110 (30)	8690 (30)	7520 (29)	18.8 (26)	5.0 (1)	95 (32)	1 (3)	37 (14)
08Y1115	LA	**7720 (32)**	8910 (28)	7440 (28)	7640 (32)	6890 (32)	17.2 (32)	5.0 (13)	91 (24)	1 (3)	35 (3)
CT202	LB	**6420 (33)**	8730 (30)	6770 (32)	4690 (34)	5470 (33)	16.2 (33)	5.0 (6)	91 (25)	1 (3)	35 (2)
KOSH	SPQ	**4980 (34)**	5580 (34)	4650 (34)	4880 (33)	4820 (34)	24.6 (1)	5 (13)	98 (34)	98 (34)	46 (34)
MEAN		**9240**	10110	8060	9670	9110	20	4.9	89	8	38
CV		**5.3**	5.8	6.6	3.6	4.8	5.8	1.9	1.3	132.3	2.9
LSD (.05)		360	1190	770	500	630	0.9	0.1	1	8	1

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 10. 2010 Early Rice Variety Test- 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)
05Y343	SWX	11870 (1)	22.1 (3)	4.6 (15)	91 (16)	23 (14)	38 (15)
05Y471	M	11530 (2)	19.7 (11)	4.6 (17)	82 (3)	31 (15)	39 (17)
08Y1092	L	11480 (3)	20.3 (9)	4.7 (14)	87 (7)	0 (1)	35 (4)
M208	M	11370 (4)	19.9 (10)	4.8 (10)	90 (10)	0 (1)	37 (12)
L206	L	11090 (5)	18.4 (16)	4.6 (18)	85 (6)	0 (1)	34 (1)
06Y575	LR	11010 (6)	21.3 (5)	4.9 (4)	90 (11)	0 (1)	39 (17)
M206	M	10990 (7)	19.1 (13)	4.7 (13)	84 (5)	0 (1)	37 (11)
08Y2098	MPQ	10970 (8)	21.0 (6)	4.9 (6)	90 (11)	5 (11)	39 (19)
M205	M	10790 (9)	20.9 (7)	4.8 (12)	92 (17)	0 (1)	36 (8)
09Y1094	L	10770 (10)	18.7 (15)	4.9 (6)	90 (11)	0 (1)	35 (4)
06Y513	L	10770 (11)	19.2 (12)	5.0 (2)	91 (15)	0 (1)	35 (6)
09Y1013	LSR	10720 (12)	21.6 (4)	4.5 (19)	93 (18)	0 (1)	37 (10)
07Y732	M	10610 (13)	20.9 (8)	4.6 (15)	88 (8)	6 (12)	34 (2)
M202	M	10210 (14)	22.6 (2)	4.9 (6)	91 (14)	0 (1)	38 (14)
S102	S	9400 (15)	14.7 (19)	5.0 (3)	79 (1)	65 (16)	38 (13)
CH201	SPQ	9390 (16)	18.8 (14)	5.0 (1)	90 (9)	74 (18)	35 (7)
08Y2082	MPQ	9370 (17)	22.7 (1)	4.9 (6)	93 (19)	18 (13)	38 (16)
04Y177	SPQ	8950 (18)	18.4 (16)	4.8 (11)	84 (4)	93 (19)	35 (3)
CM101	SWX	7990 (19)	18.2 (18)	4.9 (4)	81 (2)	65 (16)	37 (9)
MEAN		10490	19.9	4.8	88	20	37
CV		5.9	8.6	1.7	1	37	3.4
LSD (.05)		870	2.4	0.1	1	10	2

Preliminary Lines and Varieties

08Y3126	M	11780 (1)	21.1 (11)	4.8 (16)	85 (9)	13 (28)	39 (31)
09Y2171	MPQ	11490 (2)	21.1 (13)	4.8 (9)	91 (25)	43 (33)	38 (30)
07Y671	SSR	11190 (3)	21.1 (11)	4.6 (34)	88 (16)	8 (27)	35 (10)
08Y3168	M	11120 (4)	20.9 (15)	4.8 (16)	87 (14)	35 (31)	36 (24)
07Y414	M	11100 (5)	21.6 (5)	4.8 (16)	84 (7)	5 (26)	38 (28)
08Y3197	M	11060 (6)	20.3 (18)	4.8 (16)	86 (10)	23 (29)	38 (28)
08Y3147	M	11050 (7)	21.3 (10)	4.7 (23)	83 (3)	0 (1)	37 (25)
08Y3269	M	10930 (8)	19.7 (23)	4.8 (9)	90 (18)	0 (1)	37 (26)
08Y3182	M	10910 (9)	22.1 (4)	4.8 (9)	91 (20)	0 (1)	35 (18)
08Y3232	M	10890 (10)	21.4 (7)	4.9 (6)	91 (20)	0 (1)	36 (20)
08Y3239	M	10870 (11)	18.9 (26)	4.7 (28)	86 (10)	0 (1)	35 (18)
08Y3175	M	10760 (12)	24.1 (1)	4.7 (23)	92 (26)	0 (1)	36 (21)
09Y2141	SWX	10740 (13)	17.8 (31)	4.8 (16)	83 (3)	0 (1)	40 (33)
M206	M	10680 (14)	19.4 (25)	4.9 (3)	83 (3)	0 (1)	39 (32)
09Y1122	L	10640 (15)	18.3 (30)	4.6 (29)	91 (20)	0 (1)	34 (7)
08Y3181	M	10600 (16)	21.3 (9)	4.8 (9)	83 (1)	33 (30)	38 (27)
09Y2163	MPQ	10590 (17)	23.3 (2)	4.8 (16)	92 (26)	0 (1)	35 (15)
08Y2101	MPQ	10530 (18)	22.2 (3)	4.9 (6)	91 (20)	0 (1)	35 (12)
09Y1053	L	10360 (19)	19.9 (21)	4.7 (23)	86 (12)	0 (1)	35 (17)
09Y2136	SPQ	10290 (20)	20.0 (20)	4.8 (9)	87 (14)	40 (32)	35 (12)
09Y1077	L	10230 (21)	20.4 (17)	5.0 (1)	86 (13)	0 (1)	33 (4)
09Y2184	SPQ	10190 (22)	19.8 (22)	4.6 (32)	93 (29)	0 (1)	34 (9)
08Y1167	L	10070 (23)	18.5 (29)	4.8 (15)	91 (20)	0 (1)	33 (4)
08Y3140	M	9770 (24)	20.1 (19)	4.7 (23)	85 (8)	0 (1)	36 (23)
09Y1183	LIM	9770 (25)	18.8 (27)	4.6 (29)	93 (30)	0 (1)	33 (6)
08Y3240	M	9410 (26)	18.5 (28)	4.8 (16)	83 (3)	0 (1)	35 (11)
07Y489	LA	8950 (27)	19.6 (24)	4.6 (32)	83 (2)	0 (1)	32 (1)
08Y1115	LA	8910 (28)	17.7 (32)	4.7 (23)	90 (19)	0 (1)	34 (7)
07Y599	LJ	8820 (29)	17.5 (34)	4.9 (5)	89 (17)	0 (1)	35 (15)
CT202	LB	8730 (30)	17.6 (33)	4.8 (9)	93 (31)	0 (1)	33 (2)
07Y301	SPQ	8600 (31)	21.5 (6)	4.9 (3)	95 (32)	0 (1)	33 (3)
A201	LA	8530 (32)	20.6 (16)	5.0 (1)	97 (33)	0 (1)	35 (14)
08Y1109	LJ	8520 (33)	21.0 (14)	4.6 (29)	92 (28)	0 (1)	36 (22)
KOSH	SPQ	5580 (34)	21.4 (7)	4.9 (6)	99 (34)	96 (34)	45 (34)
MEAN		10110	20.2	4.8	89	9	36
CV		5.8	8.5	1.4	1.3	138.5	1.9
LSD (.05)		1190		0.1	2	24	1

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 11. 2010 Early Rice Variety Test- 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)
08Y1092	L	9410 (1)	18.3 (14)	5.0 (1)	84 (7)	1 (1)	35 (2)
06Y575	LR	9020 (2)	20.1 (10)	5.0 (1)	86 (15)	1 (1)	40 (19)
05Y343	SWX	8880 (3)	22.3 (4)	5.0 (1)	85 (12)	1 (1)	40 (18)
09Y1094	L	8560 (4)	18.3 (13)	5.0 (1)	86 (16)	1 (1)	35 (4)
09Y1013	LSR	8550 (5)	19.9 (11)	5.0 (1)	87 (17)	1 (1)	38 (9)
05Y471	M	8530 (6)	19.2 (12)	5.0 (1)	76 (1)	1 (1)	39 (10)
M206	M	8440 (7)	21.7 (7)	5.0 (1)	81 (5)	1 (1)	40 (17)
L206	L	8400 (8)	15.7 (19)	5.0 (1)	79 (3)	1 (1)	35 (3)
M208	M	8210 (9)	20.7 (9)	5.0 (1)	85 (11)	1 (1)	39 (12)
M202	M	8190 (10)	22.5 (2)	5.0 (1)	84 (9)	1 (1)	39 (10)
06Y513	L	8140 (11)	17.8 (16)	5.0 (1)	87 (17)	1 (1)	35 (4)
M205	M	7950 (12)	26.1 (1)	5.0 (1)	87 (19)	1 (1)	36 (7)
CH201	SPQ	7900 (13)	18.0 (15)	5.0 (1)	84 (10)	13 (16)	36 (8)
08Y2098	MPQ	7880 (14)	21.7 (6)	5.0 (1)	85 (12)	1 (1)	39 (12)
07Y732	M	7870 (15)	22.4 (3)	5.0 (1)	82 (6)	1 (1)	34 (1)
08Y2082	MPQ	7660 (16)	22.3 (5)	5.0 (1)	85 (12)	41 (18)	39 (16)
04Y177	SPQ	7390 (17)	20.8 (8)	5.0 (1)	84 (7)	76 (19)	36 (6)
S102	S	7330 (18)	15.9 (18)	5.0 (1)	78 (2)	1 (1)	39 (15)
CM101	SWX	6770 (19)	17.3 (17)	5.0 (1)	81 (4)	28 (17)	39 (12)
MEAN		8160	20.1	5.0	83	9	38
CV		5.3	6		1.3	116.8	2.9
LSD (.05)		610	1.7		2	15	2

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09Y2141	SWX	9540 (1)	23.0 (10)	5.0 (2)	79 (3)	1 (2)	39 (33)
08Y3168	M	9520 (2)	21.7 (14)	5.0 (2)	81 (8)	1 (2)	35 (7)
08Y3269	M	9380 (3)	25.2 (4)	5.0 (2)	87 (28)	1 (2)	37 (22)
09Y1053	L	9170 (4)	19.1 (30)	5.0 (2)	84 (20)	1 (2)	36 (20)
08Y3197	M	9030 (5)	21.0 (20)	5.0 (2)	82 (12)	1 (2)	36 (17)
08Y3175	M	9000 (6)	25.6 (3)	4.9 (30)	87 (26)	1 (2)	36 (14)
08Y3126	M	8960 (7)	21.2 (18)	5.0 (2)	79 (3)	1 (2)	39 (32)
07Y671	SSR	8960 (8)	23.7 (8)	5.0 (2)	86 (24)	1 (2)	37 (27)
08Y3239	M	8900 (9)	19.6 (27)	5.0 (2)	80 (6)	1 (2)	35 (7)
07Y414	M	8870 (10)	21.4 (16)	5.0 (2)	82 (12)	1 (2)	38 (30)
09Y1077	L	8810 (11)	21.1 (19)	5.0 (2)	86 (24)	1 (2)	36 (16)
08Y2101	MPQ	8790 (12)	22.3 (11)	5.0 (2)	85 (22)	1 (2)	35 (13)
08Y3182	M	8780 (13)	24.1 (6)	5.0 (2)	83 (16)	1 (2)	35 (10)
09Y1122	L	8740 (14)	19.1 (29)	5.0 (2)	83 (14)	1 (2)	35 (11)
09Y2184	SPQ	8690 (15)	23.9 (7)	4.9 (30)	90 (30)	1 (2)	37 (22)
08Y3140	M	8660 (16)	22.0 (13)	5.0 (2)	81 (10)	1 (2)	36 (20)
M206	M	8330 (17)	23.2 (9)	5.0 (1)	82 (11)	1 (31)	37 (28)
09Y1183	LIM	8300 (18)	19.9 (24)	4.9 (30)	89 (29)	1 (2)	33 (2)
08Y3240	M	8300 (19)	21.6 (15)	5.0 (2)	79 (5)	1 (2)	36 (17)
07Y489	LA	8210 (20)	17.8 (31)	5.0 (2)	77 (1)	1 (2)	36 (15)
09Y2171	MPQ	8200 (21)	21.0 (20)	5.0 (2)	83 (16)	6 (32)	38 (30)
08Y1167	L	8190 (22)	19.6 (26)	5.0 (2)	87 (26)	1 (2)	32 (1)
09Y2163	MPQ	8190 (23)	21.4 (16)	5.0 (2)	83 (14)	1 (2)	36 (17)
07Y599	LJ	8180 (24)	15.5 (33)	5.0 (2)	85 (22)	1 (2)	37 (24)
08Y3181	M	8100 (25)	19.5 (28)	5.0 (2)	80 (7)	1 (2)	37 (24)
09Y2136	SPQ	7960 (26)	22.0 (12)	4.9 (30)	81 (8)	6 (32)	38 (29)
08Y3232	M	7600 (27)	24.5 (5)	5.0 (29)	84 (19)	1 (1)	34 (5)
08Y1115	LA	7440 (28)	17.4 (32)	5.0 (2)	85 (21)	1 (2)	35 (11)
08Y3147	M	7190 (29)	20.9 (22)	5.0 (2)	78 (2)	1 (2)	37 (24)
A201	LA	7110 (30)	20.1 (23)	5.0 (2)	90 (30)	1 (2)	35 (7)
08Y1109	LJ	6860 (31)	19.7 (25)	4.9 (30)	94 (32)	1 (2)	34 (6)
CT202	LB	6770 (32)	15.5 (34)	5.0 (2)	84 (18)	1 (2)	34 (3)
07Y301	SPQ	6130 (33)	28.3 (2)	5.0 (2)	94 (32)	1 (2)	34 (4)
KOSH	SPQ	4650 (34)	28.3 (1)	5.0 (2)	99 (34)	94 (34)	45 (34)
MEAN		8060	21.7	5.0	85	4	36
CV		6.6	4.2	1.1	1.8	47.4	2.8
LSD (.05)		770	1.3		2	3	1

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 12. 2010 Early Rice Variety Test- 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)
05Y343	SWX	11890 (1)	21.5 (1)	5.0 (17)	95 (12)	34 (15)	41 (14)
06Y575	LR	11700 (2)	16.9 (14)	5.0 (1)	94 (10)	1 (1)	41 (17)
M205	M	11190 (3)	20.1 (3)	5.0 (1)	99 (19)	1 (1)	39 (8)
08Y2082	MPQ	10930 (4)	20.0 (4)	5.0 (1)	95 (12)	67 (18)	40 (10)
05Y471	M	10930 (5)	19.0 (9)	4.7 (18)	91 (4)	2 (9)	41 (17)
M202	M	10910 (6)	20.0 (6)	5.0 (1)	94 (10)	3 (11)	42 (19)
08Y2098	MPQ	10870 (7)	20.0 (5)	5.0 (1)	95 (12)	25 (14)	41 (15)
08Y1092	L	10600 (8)	15.4 (18)	5.0 (1)	92 (7)	1 (1)	36 (5)
M206	M	10560 (9)	19.2 (8)	5.0 (1)	91 (5)	1 (1)	41 (15)
L206	L	10440 (10)	14.8 (19)	5.0 (1)	91 (5)	1 (1)	34 (1)
M208	M	10390 (11)	19.4 (7)	5.0 (1)	95 (12)	1 (1)	40 (12)
09Y1013	LSR	10260 (12)	16.6 (15)	4.3 (19)	98 (16)	1 (1)	39 (9)
06Y513	L	10200 (13)	15.5 (17)	5.0 (1)	98 (16)	2 (9)	36 (3)
S102	S	10190 (14)	17.5 (12)	5.0 (1)	83 (1)	66 (17)	40 (10)
09Y1094	L	10130 (15)	15.6 (16)	5.0 (1)	98 (18)	1 (1)	38 (7)
07Y732	M	10120 (16)	19.0 (10)	5.0 (1)	92 (7)	3 (12)	36 (3)
CH201	SPQ	9510 (17)	17.3 (13)	5.0 (1)	93 (9)	22 (13)	36 (2)
CM101	SWX	9390 (18)	17.8 (11)	5.0 (1)	88 (2)	69 (19)	40 (12)
04Y177	SPQ	8510 (19)	20.8 (2)	5.0 (1)	89 (3)	65 (16)	37 (6)
MEAN		10460	18.2	4.9	93	19	39
CV		5.4	5	2.7	1.3	84.9	3.4
LSD (.05)		800	1.3	0.2	2	23	2

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09Y2141	SWX	12380 (1)	20.2 (6)	5.0 (1)	88 (1)	36 (32)	40 (30)
07Y671	SSR	11180 (2)	22.1 (2)	5.0 (1)	95 (18)	2 (1)	40 (31)
08Y3269	M	11110 (3)	19.0 (16)	5.0 (1)	98 (25)	2 (1)	39 (26)
M206	M	10870 (4)	19.0 (17)	5.0 (1)	91 (6)	2 (1)	40 (27)
07Y414	M	10730 (5)	18.9 (18)	5.0 (1)	91 (6)	2 (1)	41 (32)
09Y2171	MPQ	10690 (6)	20.0 (7)	5.0 (1)	95 (18)	65 (33)	38 (16)
08Y3240	M	10460 (7)	18.8 (20)	5.0 (1)	90 (3)	2 (1)	40 (28)
08Y3232	M	10390 (8)	19.4 (10)	5.0 (1)	96 (23)	2 (1)	38 (20)
08Y3168	M	10310 (9)	19.0 (15)	5.0 (1)	94 (16)	9 (29)	38 (16)
08Y3175	M	10300 (10)	20.3 (5)	5.0 (1)	98 (25)	2 (1)	38 (18)
09Y2136	SPQ	10290 (11)	20.8 (4)	5.0 (1)	90 (5)	9 (28)	36 (10)
08Y3197	M	10290 (12)	18.9 (19)	5.0 (1)	92 (13)	2 (1)	40 (28)
08Y3182	M	10230 (13)	19.7 (8)	5.0 (1)	94 (16)	2 (1)	36 (9)
08Y1167	L	10220 (14)	16.6 (27)	5.0 (1)	99 (28)	2 (1)	33 (2)
09Y2163	MPQ	10220 (15)	19.1 (13)	5.0 (1)	95 (18)	2 (1)	38 (23)
09Y1053	L	10180 (16)	16.5 (28)	5.0 (1)	91 (6)	2 (1)	35 (7)
08Y2101	MPQ	10140 (17)	18.7 (21)	5.0 (1)	98 (25)	11 (30)	36 (12)
09Y2184	SPQ	10120 (18)	19.3 (12)	5.0 (1)	99 (28)	16 (31)	38 (20)
08Y3126	M	10080 (19)	18.6 (22)	5.0 (1)	91 (6)	2 (1)	41 (33)
09Y1183	LIM	10050 (20)	17.1 (25)	5.0 (1)	99 (28)	2 (1)	35 (5)
08Y3181	M	9980 (21)	18.1 (23)	5.0 (1)	90 (3)	4 (25)	37 (15)
09Y1077	L	9930 (22)	17.5 (24)	5.0 (1)	92 (11)	5 (26)	35 (6)
09Y1122	L	9930 (23)	15.3 (33)	5.0 (1)	99 (28)	2 (1)	34 (4)
08Y3140	M	9890 (24)	19.4 (9)	5.0 (1)	92 (13)	2 (1)	38 (22)
07Y301	SPQ	9660 (25)	21.8 (3)	5.0 (1)	97 (24)	2 (1)	38 (23)
08Y3239	M	9490 (26)	19.1 (14)	5.0 (1)	92 (11)	5 (26)	36 (11)
08Y3147	M	9310 (27)	19.3 (11)	5.0 (1)	91 (6)	2 (1)	38 (23)
08Y1109	LJ	9250 (28)	15.7 (31)	5.0 (1)	95 (18)	2 (1)	38 (18)
07Y599	LJ	9160 (29)	14.2 (34)	5.0 (1)	92 (13)	2 (1)	36 (12)
A201	LA	8690 (30)	16.8 (26)	5.0 (1)	99 (28)	2 (1)	37 (14)
07Y489	LA	8300 (31)	15.8 (30)	5.0 (1)	88 (1)	2 (1)	36 (8)
08Y1115	LA	7640 (32)	15.4 (32)	5.0 (1)	95 (18)	2 (1)	34 (3)
KOSH	SPQ	4880 (33)	24.4 (1)	5.0 (1)	100 (34)	100 (34)	46 (34)
CT202	LB	4690 (34)	16.1 (29)	5.0 (1)	99 (28)	2 (1)	33 (1)
MEAN		9670	18.4	5	94	8	38
CV		3.6	4		1.3	134.6	3.7
LSD (.05)		500	1.1		2	16	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. 2010 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)
M206	M	10330 (1)	20.5 (4)	5.0 (1)	85 (6)	6 (12)	42 (13)
M202	M	10220 (2)	21.3 (3)	5.0 (1)	91 (11)	3 (11)	44 (19)
05Y471	M	10040 (3)	19.8 (9)	5.0 (1)	84 (4)	1 (1)	43 (17)
S102	S	10010 (4)	15.7 (17)	5.0 (1)	78 (1)	34 (15)	42 (12)
05Y343	SWX	9890 (5)	22.2 (2)	4.9 (18)	92 (15)	20 (13)	40 (5)
06Y575	LR	9720 (6)	17.9 (11)	5.0 (1)	93 (17)	1 (1)	42 (16)
08Y2098	MPQ	9470 (7)	20.0 (7)	5.0 (1)	87 (7)	66 (18)	42 (15)
09Y1013	LSR	9470 (8)	19.0 (10)	4.0 (19)	92 (16)	1 (1)	41 (8)
M205	M	9370 (9)	22.6 (1)	5.0 (1)	94 (19)	1 (1)	41 (11)
07Y732	M	9290 (10)	20.5 (5)	5.0 (1)	89 (8)	1 (1)	37 (1)
08Y1092	L	9140 (11)	16.2 (15)	5.0 (1)	91 (10)	1 (1)	39 (2)
L206	L	9070 (12)	14.1 (19)	5.0 (1)	83 (3)	1 (1)	39 (3)
04Y177	SPQ	8960 (13)	17.8 (12)	5.0 (1)	84 (4)	33 (14)	39 (4)
CM101	SWX	8870 (14)	16.6 (14)	5.0 (1)	83 (2)	36 (16)	41 (10)
M208	M	8840 (15)	20.5 (6)	5.0 (1)	93 (17)	1 (1)	42 (14)
08Y2082	MPQ	8460 (16)	20.0 (8)	5.0 (1)	91 (12)	76 (19)	43 (17)
06Y513	L	8450 (17)	14.9 (18)	5.0 (1)	90 (9)	1 (1)	41 (8)
CH201	SPQ	8350 (18)	17.3 (13)	5.0 (1)	91 (12)	43 (17)	40 (6)
09Y1094	L	8070 (19)	15.8 (16)	5.0 (1)	91 (12)	1 (1)	41 (7)
MEAN		9260	18.6	4.9	88	17	41
CV		4.6	3.6	2.2	1.3	92.5	3
LSD (.05)		610	1	0.2	2	23	2

Preliminary Lines and Varieties

09Y2141	SWX	11110 (1)	21.0 (11)	4.8 (33)	84 (6)	1 (1)	46 (33)
08Y3140	M	11090 (2)	20.1 (18)	5.1 (2)	83 (3)	3 (3)	43 (30)
07Y671	SSR	10590 (3)	23.8 (2)	5.1 (2)	88 (14)	3 (3)	41 (20)
08Y3182	M	10570 (4)	23.0 (4)	5.1 (2)	92 (22)	3 (3)	41 (18)
08Y3197	M	10510 (5)	20.0 (21)	5.1 (2)	85 (10)	3 (3)	43 (32)
M206	M	10500 (6)	21.0 (10)	5.1 (2)	85 (10)	17 (29)	43 (26)
08Y3269	M	10320 (7)	22.1 (6)	5.1 (2)	93 (26)	3 (3)	43 (28)
08Y3126	M	10220 (8)	20.4 (16)	5.1 (2)	83 (3)	10 (28)	43 (30)
08Y3168	M	10050 (9)	20.4 (17)	5.1 (2)	84 (7)	22 (30)	42 (23)
08Y3147	M	9980 (10)	20.7 (14)	5.1 (2)	83 (3)	3 (3)	42 (25)
09Y1122	L	9970 (11)	16.0 (32)	5.1 (2)	88 (14)	3 (3)	40 (12)
09Y2136	SPQ	9920 (12)	23.0 (3)	5.0 (26)	84 (7)	3 (3)	40 (11)
08Y3232	M	9920 (13)	20.6 (15)	5.0 (26)	92 (23)	3 (3)	39 (8)
07Y414	M	9880 (14)	20.8 (13)	5.1 (2)	85 (12)	7 (27)	43 (26)
08Y3181	M	9840 (15)	19.3 (24)	5.1 (2)	84 (7)	3 (3)	42 (22)
08Y3240	M	9790 (16)	19.5 (23)	5.0 (25)	83 (2)	1 (1)	43 (29)
08Y3239	M	9750 (17)	20.0 (19)	5.0 (26)	87 (13)	3 (3)	38 (5)
09Y2163	MPQ	9650 (18)	21.2 (8)	5.1 (1)	89 (18)	4 (26)	41 (17)
09Y2171	MPQ	9500 (19)	20.0 (20)	5.1 (2)	89 (19)	101 (33)	42 (23)
09Y2184	SPQ	9500 (20)	21.0 (9)	5.1 (2)	93 (26)	37 (32)	39 (6)
08Y3175	M	9480 (21)	22.9 (5)	5.1 (2)	92 (23)	3 (3)	41 (18)
09Y1053	L	9150 (22)	18.4 (26)	5.1 (2)	89 (16)	3 (3)	40 (14)
08Y2101	MPQ	9050 (23)	19.6 (22)	5.1 (2)	90 (20)	22 (30)	39 (6)
07Y301	SPQ	8900 (24)	21.7 (7)	5.1 (2)	93 (26)	3 (3)	40 (12)
08Y1167	L	8880 (25)	21.0 (12)	5.1 (2)	98 (33)	3 (3)	37 (2)
09Y1077	L	8740 (26)	18.5 (25)	5.1 (2)	90 (20)	3 (3)	38 (4)
09Y1183	LIM	8280 (27)	17.4 (30)	5.0 (26)	97 (32)	3 (3)	38 (3)
07Y489	LA	7590 (28)	16.4 (31)	4.9 (31)	79 (1)	3 (3)	39 (8)
A201	LA	7520 (29)	17.6 (29)	5.1 (2)	94 (29)	3 (3)	41 (20)
07Y599	LJ	7480 (30)	14.8 (34)	4.9 (31)	92 (23)	3 (3)	40 (14)
08Y1109	LJ	7360 (31)	18.0 (28)	4.5 (34)	99 (34)	3 (3)	40 (14)
08Y1115	LA	6890 (32)	18.2 (27)	5.1 (2)	94 (29)	3 (3)	36 (1)
CT202	LB	5470 (33)	15.6 (33)	5.1 (2)	89 (16)	3 (3)	39 (8)
KOSH	SPQ	4820 (34)	24.2 (1)	5.0 (26)	94 (29)	101 (33)	48 (34)
MEAN		9110	19.4	5	89	10	40
CV		4.8	4.8	3.4	0.7	120.6	2.8
LSD (.05)		630	1.3		1	17	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 14. Grain Yield (lb/acre @14% moisture) Summary of Early Rice Varieties by Location and Year (2006-2010)

		Calhikari					Calmati	
Location	Year	201	**M-202**	S-102	M-205	M-206	201	L-205
Biggs (RES)	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
	2010	9390	**10210**	9400	10790	10990	-	-
Location Mean		8576	**9134**	9704	9838	9936	7520	7394
Butte	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
	2010	7900	**8190**	7330	7950	8440	-	-
Location Mean		7462	**8128**	7922	8626	8240	7217	8510
Colusa	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
	2010	9510	**10910**	10190	11190	10560	-	-
Location Mean		8460	**9684**	9258	10260	9740	7130	8748
Yuba	2006	-	**-**	-	-	-	-	-
	2007	5910	**7040**	6170	7480	7960	5550	6370
	2008	8880	**10140**	9830	10500	10720	7660	9890
	2009	6880	**7940**	7950	8790	8530	-	8570
	2010	8350	**10220**	10010	9370	10330	-	-
Location Mean		7505	**8835**	8490	9035	9385	6605	8277
Loc/Years Mean		8027	**8951**	6918	9461	9322	7165	8722
Yield % M-202		**89.7**	**100**	**77.3**	**105.7**	**104.1**	**80.0**	**97.4**
Number of Tests		19	**19**	19	19	19	11	15

Table 15. 2010 Intermediate-Late Rice Variety Tests - Over 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	Glenn	Sutter					
06Y575	LR	**10620 (1)**	10920 (5)	9780 (3)	11150 (1)	18.7 (9)	5.0 (4)	96 (6)	15 (6)	41 (11)
09Y2179	S	**10210 (2)**	11380 (2)	9850 (2)	9390 (5)	19.9 (7)	4.9 (8)	92 (4)	6 (2)	40 (10)
M205	M	**9810 (3)**	11030 (3)	9210 (5)	9190 (9)	21.6 (5)	4.9 (11)	100 (8)	13 (5)	37 (7)
L206	L	**9780 (4)**	11610 (1)	8340 (8)	9390 (6)	17.1 (12)	4.9 (10)	92 (3)	33 (8)	34 (1)
M202	M	**9630 (5)**	10430 (6)	7970 (9)	10500 (2)	21.1 (6)	5.0 (5)	95 (5)	33 (8)	38 (9)
06Y513	L	**9340 (6)**	9970 (8)	8840 (7)	9230 (8)	18.6 (10)	5.0 (2)	98 (7)	23 (7)	37 (6)
07Y722	M	**9290 (7)**	10930 (4)	9000 (6)	7940 (10)	23.1 (1)	4.9 (9)	104 (10)	11 (4)	37 (5)
CH201	SPQ	**9250 (8)**	10280 (7)	7950 (10)	9520 (4)	17.6 (11)	5.0 (3)	91 (2)	43 (10)	37 (4)
M402	MPQ	**8960 (9)**	8240 (10)	9360 (4)	9300 (7)	22.6 (3)	5.0 (1)	110 (12)	6 (3)	38 (8)
09Y2185	SPQ	**8630 (10)**	8060 (11)	9940 (1)	7910 (11)	23.0 (2)	4.4 (12)	109 (11)	1 (1)	35 (2)
04Y177	SPQ	**8510 (11)**	9550 (9)	6030 (11)	9950 (3)	18.9 (8)	5.0 (5)	89 (1)	66 (11)	36 (3)
KOSH	SPQ	**5760 (12)**	6870 (12)	4330 (12)	6090 (12)	22.6 (4)	4.9 (7)	104 (9)	95 (12)	45 (12)
MEAN		**9150**	9940	8380	9130	20.4	4.9	98	29	38
CV		**9.1**	12.3	7.5	4.6	6.2	2.1	1.3	54.1	4.3
LSD (.05)		**670**	1760	900	600	1	0.1	1	13	1

Preliminary Lines and Varieties

09Y1077	L	**10480 (1)**	11020 (5)	9700 (3)	10720 (1)	17.6 (20)	5.0 (2)	96 (6)	1 (1)	36 (7)
09Y2159	SLA	**10180 (2)**	10450 (10)	10040 (1)	10050 (3)	17.7 (17)	4.8 (18)	96 (6)	12 (17)	37 (16)
08Y3310	M	**10080 (3)**	11120 (3)	9050 (11)	10070 (2)	19.8 (10)	4.9 (16)	95 (4)	1 (1)	37 (13)
08Y3314	M	**10070 (4)**	10810 (6)	9500 (4)	9910 (5)	21.1 (1)	5.0 (5)	100 (18)	1 (1)	37 (15)
09Y1094	L	**10060 (5)**	11310 (1)	9140 (9)	9740 (7)	17.6 (19)	5.0 (1)	96 (6)	20 (21)	37 (18)
08Y3236	M	**10010 (6)**	10800 (7)	9440 (6)	9790 (6)	20.7 (4)	4.9 (11)	99 (15)	1 (9)	36 (10)
08Y3344	M	**9880 (7)**	11050 (4)	9270 (7)	9340 (12)	20.9 (2)	4.9 (6)	100 (16)	5 (16)	39 (22)
08Y3328	M	**9690 (8)**	11180 (2)	8980 (12)	8900 (14)	20.7 (3)	4.9 (6)	98 (12)	20 (22)	36 (11)
08Y2163	SPQ	**9600 (9)**	10210 (12)	9230 (8)	9350 (11)	19.7 (11)	5.0 (3)	91 (3)	1 (1)	37 (17)
08Y3323	M	**9600 (10)**	10630 (8)	9480 (5)	8680 (16)	19.7 (12)	4.8 (18)	99 (14)	1 (1)	39 (20)
M205	M	**9580 (11)**	10400 (11)	8820 (15)	9520 (9)	20.7 (5)	4.9 (14)	100 (17)	14 (18)	37 (14)
08Y3338	M	**9510 (12)**	10470 (9)	9070 (10)	8980 (13)	20.5 (7)	4.9 (6)	98 (13)	2 (13)	36 (5)
09Y2176	MPQ	**9450 (13)**	9550 (14)	8830 (14)	9970 (4)	20.3 (9)	4.9 (17)	101 (19)	19 (19)	41 (23)
08Y3234	M	**9400 (14)**	9870 (13)	8930 (13)	9400 (10)	20.6 (6)	4.9 (14)	97 (10)	19 (20)	36 (9)
09Y1183	LIM	**9230 (15)**	9540 (15)	8500 (16)	9630 (8)	17.8 (16)	4.8 (21)	103 (21)	1 (1)	35 (1)
08Y3308	M	**9110 (16)**	8770 (17)	9840 (2)	8700 (15)	20.3 (8)	4.9 (11)	102 (20)	1 (1)	38 (19)
07Y1174	LJ	**8030 (17)**	7650 (22)	8410 (17)	8020 (17)	18.9 (13)	4.7 (22)	106 (23)	1 (1)	36 (8)
09Y1059	LJ	**7910 (18)**	8470 (18)	8230 (18)	7030 (20)	17.1 (21)	4.9 (11)	91 (2)	1 (9)	39 (21)
10Y150	LJ	**7850 (19)**	9040 (16)	7530 (20)	6980 (21)	17.7 (18)	4.9 (6)	96 (5)	1 (9)	36 (6)
10Y151	LB	**7820 (20)**	8440 (19)	7400 (21)	7600 (19)	18.1 (15)	4.9 (6)	96 (6)	2 (13)	35 (4)
08Y1114	LJ	**7810 (21)**	7820 (21)	7850 (19)	7770 (18)	18.2 (14)	4.8 (18)	104 (22)	1 (9)	37 (12)
CT202	LB	**6630 (22)**	7970 (20)	6530 (22)	5390 (23)	17.0 (22)	5.0 (3)	97 (11)	2 (13)	35 (2)
09Y1081	LB	**5450 (23)**	5450 (23)	4600 (24)	6310 (22)	16.2 (23)	4.7 (22)	89 (1)	28 (23)	35 (3)
09Y139*	L	-	3440 (24)	5040 (23)	-	-	-	-	-	-
MEAN		**9020**	9400	8480	8780	19.1	4.9	98	7	37
CV		**6.2**	8.3	4.6	4.3	5.2	2	0.9	195.5	4.4
LSD (.05)		**650**	1620	810	790	1.2	0.1	1	15	2

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amalose; J = Jasmine; IM=IMMI herbicide resistance; 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. 2010 Intermediate-Late Rice Variety Test - 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)
L206	L	11610 (1)	19.1 (11)	4.7 (11)	92 (4)	0 (1)	33 (2)
09Y2179	S	11380 (2)	21.9 (9)	4.8 (8)	90 (3)	0 (1)	36 (9)
M205	M	11030 (3)	26.2 (4)	4.8 (9)	97 (8)	0 (1)	36 (6)
07Y722	M	10930 (4)	27.6 (3)	4.8 (9)	101 (9)	0 (1)	34 (5)
06Y575	LR	10920 (5)	24.0 (7)	4.9 (5)	97 (7)	0 (1)	39 (11)
M202	M	10430 (6)	24.4 (6)	4.9 (6)	95 (5)	0 (1)	37 (10)
CH201	SPQ	10280 (7)	18.6 (12)	5.0 (3)	90 (2)	28 (10)	33 (2)
06Y513	L	9970 (8)	22.2 (8)	5.0 (2)	97 (6)	0 (1)	36 (8)
04Y177	SPQ	9550 (9)	19.3 (10)	4.9 (4)	86 (1)	63 (11)	33 (4)
M402	MPQ	8240 (10)	29.5 (1)	5.0 (1)	110 (12)	0 (1)	36 (6)
09Y2185	SPQ	8060 (11)	28.1 (2)	4.6 (12)	105 (11)	0 (1)	31 (1)
KOSH	SPQ	6870 (12)	25.2 (5)	4.9 (6)	103 (10)	90 (12)	43 (12)
MEAN		9940	23.8	4.9	97	15	36
CV		12.3	7.4	2.3	0.9	66.5	5.2
LSD (.05)		1760	2.6	0.2	1	14	3

Preliminary Lines and Varieties

09Y1094	L	11310 (1)	20.8 (20)	5.0 (1)	94 (6)	0 (1)	37 (21)
08Y3328	M	11180 (2)	23.9 (9)	4.8 (7)	97 (12)	0 (1)	36 (17)
08Y3310	M	11120 (3)	22.5 (14)	4.6 (18)	93 (4)	0 (1)	36 (15)
08Y3344	M	11050 (4)	25.3 (6)	4.8 (7)	97 (15)	0 (1)	38 (23)
09Y1077	L	11020 (5)	22.6 (13)	5.0 (2)	93 (5)	0 (1)	33 (9)
08Y3314	M	10810 (6)	25.4 (5)	4.9 (5)	98 (18)	0 (1)	36 (17)
08Y3236	M	10800 (7)	25.6 (3)	4.7 (12)	98 (17)	0 (1)	35 (14)
08Y3323	M	10630 (8)	22.0 (16)	4.5 (20)	97 (12)	0 (1)	38 (22)
08Y3338	M	10470 (9)	22.9 (11)	4.9 (5)	97 (12)	0 (1)	33 (6)
09Y2159	SLA	10450 (10)	20.2 (22)	4.8 (7)	96 (9)	0 (1)	33 (3)
M205	M	10400 (11)	25.4 (4)	4.7 (16)	97 (15)	0 (1)	32 (1)
08Y2163	SPQ	10210 (12)	20.9 (19)	4.9 (3)	90 (2)	0 (1)	34 (12)
08Y3234	M	9870 (13)	26.3 (1)	4.7 (16)	95 (8)	0 (1)	36 (15)
09Y2176	MPQ	9550 (14)	22.9 (11)	4.7 (12)	99 (19)	0 (1)	39 (24)
09Y1183	LIM	9540 (15)	22.3 (15)	4.4 (22)	101 (21)	0 (1)	32 (2)
10Y150	LJ	9040 (16)	21.0 (18)	4.8 (7)	96 (11)	0 (1)	35 (13)
08Y3308	M	8770 (17)	23.3 (10)	4.7 (12)	100 (20)	0 (1)	36 (19)
09Y1059	LJ	8470 (18)	20.4 (21)	4.7 (12)	91 (3)	0 (1)	37 (20)
10Y151	LB	8440 (19)	21.5 (17)	4.8 (7)	94 (7)	0 (1)	33 (6)
CT202	LB	7970 (20)	20.1 (23)	4.9 (3)	96 (10)	0 (1)	33 (4)
08Y1114	LJ	7820 (21)	24.6 (8)	4.6 (18)	102 (22)	0 (1)	33 (10)
07Y1174	LJ	7650 (22)	26.3 (1)	4.5 (20)	104 (24)	0 (1)	34 (11)
09Y1081	LB	5450 (23)	18.9 (24)	4.2 (23)	86 (1)	0 (1)	33 (6)
09Y139	L	3440 (24)	25.0 (7)	3.6 (24)	103 (23)	0 (1)	33 (5)
MEAN		9400	22.9	4.6	96	0	35
CV		8.3	6.3	4.2	0.9		5.8
LSD (.05)		1620	3	0.4	2		

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amalose; J = Jasmine;
R = Newrex; IM=IMMI herbicide resistance.
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. 2010 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)
09Y2185	SPQ	9940 (1)	19.3 (5)	3.5 (12)	111 (11)	3 (1)	39 (2)
09Y2179	S	9850 (2)	17.9 (8)	5.0 (9)	89 (1)	18 (2)	43 (10)
06Y575	LR	9780 (3)	16.6 (11)	5.0 (1)	98 (8)	45 (6)	44 (11)
M402	MPQ	9360 (4)	19.4 (4)	5.0 (1)	112 (12)	18 (3)	40 (8)
M205	M	9210 (5)	18.1 (7)	4.9 (11)	97 (6)	39 (5)	39 (2)
07Y722	M	9000 (6)	18.5 (6)	5.0 (9)	98 (8)	33 (4)	39 (5)
06Y513	L	8840 (7)	17.0 (10)	5.0 (1)	98 (7)	68 (7)	39 (2)
L206	L	8340 (8)	15.6 (12)	5.0 (1)	89 (2)	99 (9)	37 (1)
M202	M	7970 (9)	19.8 (3)	5.0 (1)	90 (3)	99 (9)	39 (7)
CH201	SPQ	7950 (10)	17.4 (9)	5.0 (8)	91 (5)	96 (8)	41 (9)
04Y177	SPQ	6030 (11)	19.9 (2)	5.0 (1)	90 (4)	99 (9)	39 (5)
KOSH	SPQ	4330 (12)	21.2 (1)	5.0 (1)	108 (10)	99 (9)	49 (12)
MEAN		8380	18.4	4.9	98	60	41
CV		7.5	5.4	2.8	1.7	37.6	3.7
LSD (.05)		900	1.4	0.2	2	32	2

Preliminary Lines and Varieties

09Y2159	SLA	10040 (1)	16.4 (13)	4.7 (23)	100 (19)	6 (14)	41 (19)
08Y3308	M	9840 (2)	16.9 (10)	5.0 (1)	99 (17)	1 (1)	39 (14)
09Y1077	L	9700 (3)	14.7 (18)	5.0 (1)	102 (20)	1 (1)	37 (1)
08Y3314	M	9500 (4)	17.4 (5)	5.0 (1)	98 (15)	1 (1)	39 (9)
08Y3323	M	9480 (5)	16.9 (11)	5.0 (1)	98 (11)	1 (1)	40 (17)
08Y3236	M	9440 (6)	16.8 (12)	5.0 (1)	98 (15)	3 (10)	38 (6)
08Y3344	M	9270 (7)	17.3 (6)	5.0 (1)	97 (8)	13 (18)	40 (18)
08Y2163	SPQ	9230 (8)	17.8 (1)	5.0 (1)	93 (4)	1 (1)	42 (21)
09Y1094	L	9140 (9)	16.3 (14)	5.0 (1)	98 (11)	58 (22)	39 (13)
08Y3338	M	9070 (10)	17.0 (9)	5.0 (1)	96 (6)	6 (14)	38 (8)
08Y3310	M	9050 (11)	17.1 (7)	5.0 (1)	93 (3)	1 (1)	39 (10)
08Y3328	M	8980 (12)	17.5 (4)	5.0 (1)	97 (8)	60 (23)	38 (5)
08Y3234	M	8930 (13)	17.7 (2)	5.0 (1)	95 (5)	55 (21)	38 (6)
09Y2176	MPQ	8830 (14)	17.7 (3)	4.9 (20)	97 (8)	50 (20)	42 (23)
M205	M	8820 (15)	17.0 (8)	5.0 (1)	98 (11)	41 (19)	42 (22)
09Y1183	LIM	8500 (16)	14.5 (22)	5.0 (19)	105 (22)	1 (1)	38 (3)
07Y1174	LJ	8410 (17)	14.6 (21)	4.8 (22)	106 (23)	1 (1)	39 (10)
09Y1059	LJ	8230 (18)	14.3 (23)	5.0 (1)	89 (1)	3 (10)	43 (24)
08Y1114	LJ	7850 (19)	14.7 (20)	4.9 (20)	107 (24)	3 (10)	40 (15)
10Y150	LJ	7530 (20)	15.0 (17)	5.0 (1)	98 (11)	3 (10)	38 (3)
10Y151	LB	7400 (21)	15.6 (15)	5.0 (1)	100 (18)	6 (14)	39 (12)
CT202	LB	6530 (22)	14.7 (19)	5.0 (1)	96 (6)	6 (14)	40 (16)
09Y139	L	5040 (23)	13.4 (24)	3.1 (24)	104 (21)	1 (1)	41 (20)
09Y1081	LB	4600 (24)	15.2 (16)	5.0 (1)	92 (2)	83 (24)	37 (1)
MEAN		8480	16.1	4.9	98	17	39
CV		4.6	3.5	2.1	1.1	126.4	3.3
LSD (.05)		810	1.2	0.2	2	44	3

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amalose; J = Jasmine;
R = Newrex; IM=IMMI herbicide resistance.
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. 2010 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)
06Y575	LR	11150 (1)	15.6 (12)	5.0 (1)	94 (3)	1 (1)	40 (10)
M202	M	10500 (2)	19.2 (6)	5.0 (1)	99 (6)	1 (1)	40 (9)
04Y177	SPQ	9950 (3)	17.4 (8)	5.0 (10)	92 (1)	38 (11)	37 (6)
CH201	SPQ	9520 (4)	16.9 (9)	5.0 (1)	93 (2)	4 (10)	36 (3)
09Y2179	S	9390 (5)	19.9 (5)	5.0 (1)	98 (5)	1 (1)	41 (11)
L206	L	9390 (6)	16.5 (11)	5.0 (1)	95 (4)	1 (1)	34 (1)
M402	MPQ	9300 (7)	18.9 (7)	5.0 (1)	107 (10)	1 (1)	37 (7)
06Y513	L	9230 (8)	16.5 (10)	5.0 (1)	101 (7)	1 (1)	35 (2)
M205	M	9190 (9)	20.6 (4)	5.0 (1)	106 (9)	1 (1)	37 (8)
07Y722	M	7940 (10)	23.1 (1)	5.0 (1)	113 (12)	1 (1)	36 (5)
09Y2185	SPQ	7910 (11)	21.7 (2)	5.0 (10)	110 (11)	1 (1)	36 (4)
KOSH	SPQ	6090 (12)	21.3 (3)	5.0 (10)	101 (8)	97 (12)	43 (12)
MEAN		9130	19	5.0	101	12	38
CV		4.6	4.2	1	1.4	95	4.1
LSD (.05)		600	1.1		2	17	2

Preliminary Lines and Varieties

09Y1077	L	10720 (1)	15.4 (21)	5.0 (1)	94 (5)	1 (1)	36 (12)
08Y3310	M	10070 (2)	19.8 (10)	5.0 (1)	101 (10)	1 (1)	36 (11)
09Y2159	SLA	10050 (3)	16.7 (16)	5.0 (1)	93 (4)	30 (23)	38 (22)
09Y2176	MPQ	9970 (4)	20.3 (6)	5.0 (1)	106 (20)	6 (22)	41 (23)
08Y3314	M	9910 (5)	20.5 (4)	5.0 (1)	105 (18)	1 (1)	36 (12)
08Y3236	M	9790 (6)	19.8 (9)	5.0 (1)	102 (13)	1 (1)	36 (9)
09Y1094	L	9740 (7)	15.7 (19)	5.0 (1)	97 (8)	1 (1)	36 (12)
09Y1183	LIM	9630 (8)	16.7 (15)	5.0 (1)	103 (16)	1 (1)	34 (3)
M205	M	9520 (9)	19.6 (11)	5.0 (1)	106 (19)	1 (1)	37 (16)
08Y3234	M	9400 (10)	17.8 (12)	5.0 (1)	102 (14)	1 (1)	35 (6)
08Y2163	SPQ	9350 (11)	20.4 (5)	5.0 (1)	91 (2)	1 (1)	36 (12)
08Y3344	M	9340 (12)	20.2 (7)	5.0 (1)	106 (20)	1 (1)	38 (20)
08Y3338	M	8980 (13)	21.6 (1)	4.9 (23)	103 (16)	1 (1)	35 (7)
08Y3328	M	8900 (14)	20.8 (2)	5.0 (1)	101 (10)	1 (1)	35 (8)
08Y3308	M	8700 (15)	20.8 (3)	5.0 (1)	107 (23)	1 (1)	38 (19)
08Y3323	M	8680 (16)	20.1 (8)	5.0 (1)	102 (14)	1 (1)	38 (20)
07Y1174	LJ	8020 (17)	15.6 (20)	5.0 (1)	106 (20)	1 (1)	36 (10)
08Y1114	LJ	7770 (18)	15.4 (22)	5.0 (1)	101 (10)	1 (1)	37 (18)
10Y151	LB	7600 (19)	17.3 (13)	5.0 (1)	95 (6)	1 (1)	34 (2)
09Y1059	LJ	7030 (20)	16.6 (17)	5.0 (1)	93 (3)	1 (1)	37 (17)
10Y150	LJ	6980 (21)	17.2 (14)	5.0 (1)	95 (6)	1 (1)	35 (4)
09Y1081	LB	6310 (22)	14.6 (23)	5.0 (1)	90 (1)	1 (1)	35 (4)
CT202	LB	5390 (23)	16.3 (18)	5.0 (1)	101 (9)	1 (1)	33 (1)
MEAN		8780	18.2	5.0	100	2	36
CV		4.3	4.1	0.6	0.5	243.7	4
LSD (.05)		790	1.5		1	12	3

S = short; M = medium; L = long; PQ = premium quality; B = Basmati; LA=low amalose; J = Jasmine;
R = Newrex; IM=IMMI herbicide resistance.
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.
* 09Y139 dropped from Sutter test (no stand).

Table 19. Grain Yield (lb/acre @14% moisture) Summary of Intermediate/ Late Rice Varieties by Location and Year (2006-2010)

Location	Year	M-205	M-402	**M-202**	L-205	L-206
Biggs (RES)	2006	8830	8280	**8620**	8920	9210
	2007	10080	8940	**8960**	9430	10390
	2008	10950	9220	**10310**	9890	10740
	2009	9290	9110	**8300**	9170	9950
	2010	11030	8240	**10430**	-	11610
Location Mean		10036	8758	**9324**	9352.5	10380
Glenn	2006	7050	7990	**6820**	6780	6700
	2007	10400	9080	**9110**	9150	9670
	2008	8440	7240	**8300**	8820	8710
	2009	10120	10610	**9230**	9910	10440
	2010	9210	9360	**7970**	-	8340
Location Mean		9044	8856	**8286**	8665	8772
Sutter	2006	8490	7290	**7760**	8730	8810
	2007	10320	8900	**9800**	10010	9580
	2008	8430	9180	**8780**	7760	7830
	2009	8180	8010	**7080**	6570	7470
	2010	9190	9300	**10500**	-	9390
Location Mean		8922	8536	**8784**	8268	8616
Loc/Years Mean		9334	8717	**8798**	8762	9256
Yield % M-202		**106.1**	**99.1**	**100**	**99.6**	**105.6**
Number of Tests		15	15	**15**	12	15