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CALIFORNIA RICE VARIETIES

DESCRIPTION AND PERFORMANCE SUMMARY OF THE 2006 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 2006. 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.

Prolonged wet and cold spring planting conditions delayed planting and limited total acres planted to an estimated 529,000 acres. Harvested acres were similar to 2005 at 526,000 acres. Average yield per acre was 7600 lbs/acre, a 4% increase compared to 2005. Six days in June and thirteen days in July of 100+ degree temperatures (Table 2) accelerated heading by 2-7 days, promoting elongated stem growth and weakened straw resulting in increased lodging, and reduced yields compared to 2005. Harvest conditions were optimal, allowing the bulk of the late-planted rice to be harvested prior to the onset of rain in November. Many locations reported higher than expected head rice yields.

EXPERIMENTAL PROCEDURE

Cultivars and Locations

Field experiments were conducted at seven 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 lines to be newly 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

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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 20 statewide tests. Advanced tests were arranged in randomized complete block designs with four replications, while preliminary lines were planted in two replications (four replications at the RES). 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 tests at each of the following locations.

	Date Planted
• Butte County (RES)	5/22,5/26 (Reps 1&2, 3&4 respectively)
• Sutter County (Lauppe)	5/17
• Yolo County (Webster)	5/22

Commercial varieties included Calmochi-101, S-102, M-104, M-202, M-206, L-205, and L-206. Thirty-four experimental lines 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 ten commercial varieties were evaluated in the advanced test at each of the following locations.

	Date Planted
• Butte County (RES)	5/22,5/26 (Reps 1&2, 3&4 respectively)
• Butte County (Larriabee)	5/19
• Colusa County (Dennis)	5/16
• Yuba County (Quad-4)	5/30

Commercial varieties included Calmochi-101, Calhkari-201, S-102, M-202, M-205, M-206, M-207, M-208, L-205, and L-206. Thirty preliminary lines and two commercial lines (Calmati-201 and Calmati-202) 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. Eight advanced lines and six commercial varieties were evaluated in advanced tests at the following locations.

	Date Planted
• Butte County (RES)	5/22,5/26 (Reps 1&2, 3&4 respectively)
• Glenn County (Wiley)	5/08
• Sutter County (Tucker)	5/09

Commercial varieties included Calhkari-201, M-202, M-205, M-402, L-205, and L-206. Eighteen experimental lines and two commercial lines (Calmati-201 and Calmati-202) 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 were water-seeded by hand at a planting rate of 144 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 on a scale of 1 (no lodging) to 99 (all plants completely lodged).

County tests were harvested with a SWECO 324 small plot combine and plots at the RES were harvested with a modified Allis-Chalmers combine. The harvest area for all county plots was 143.4 ft² (0.0033acre) and 150 ft² (0.0034acre) at the RES. 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 three-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 6. Entries are ranked by grain yield with the highest yielding entry appearing first. A five year yield summary of Very Early rice varieties by location and year (2002-2006) is found in Table 7.

The San Joaquin trial was not planted this year due to the lack of a cooperator. Grain yields in the advanced tests averaged 9020 lbs/acre at the RES, 8530 at Sutter, and 8310 at Yolo. Over the three locations, the highest yielding commercial variety was S-102 at 9230 lbs/acre (Table 3). Entry 04Y508, an advanced long grain, was the second highest yielding entry at Biggs, Yolo and overall. No variety produced a significantly higher yield than S-102 at any location. A new long grain commercial variety, L-206, yielded highest, second and third at Biggs, Sutter, and overall, respectively.

Days to 50% heading for most varieties in 2006 were 2-6 days less than in 2005. A significant percentage of the rice acreage was planted later than normal due to frequent spring rains that delayed field preparation. An unusual two weeks of temperatures in excess of 100 °F in July shortened the days to 50% heading. Average lodging scores across all three locations were similar to the 2005 season.

Table 7 is a 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-103, M-202, M-206, Calmochi-101, S-102, L-204, and L-205 yielded 98%, 101%, 104%, 98%, 107%, 101%, and 102% (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 at 9456 lbs/ac and 9185 lbs/ac respectively (Table 7).

SUMMARY OF THE EARLY RICE VARIETY TESTS

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

Agronomic performance data for individual entries at each early location are presented in Tables 9 through 11. A three location combined yield summary is given in Table 8. The Yuba site data is not included due to a severe watergrass infestation. Entries are ranked by grain yield with the highest yielding entry appearing first.

Yields in the advanced tests averaged 9370 lb/acre at the RES, 8370 lb/acre at Butte, and 9390 lb/acre at Colusa. The highest yielding entry overall, at Biggs and Butte is the advanced long grain stem rot resistant line 03Y496 (Table 8). Overall, commercial varieties M-205, L-206, and M-208 yielded fifth to seventh respectively. Other leading advanced cultivars were medium grain 04Y404 and long-grain 99Y529 (second and third overall, respectively). Commercial varieties S-102, M-207, and M-206 ranked tenth, eleventh, and thirteenth in the over-location yield average. Of the preliminary lines, long-grain entries 02Y565, 05Y566, and medium-grain entry 05Y408 were ranked first, second, and third, respectively.

Table 12 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. Cahikari-201 yielded 91%, M-204 101%, M-205 107%, M-206 101%, Calmati-201 85%, and L-205 99% of M-202 in the Early tests over the past five years.

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 14 through 16. A three location combined yield summary is given in Table 13. Entries are ranked by grain yield with the highest yielding entry appearing first.

Average yields in the advanced Intermediate-Late tests were 9190 lb/acre at the RES, 6970 lb/acre at Glenn, and 8510 lb/acre at Sutter. The premium quality medium-grain cultivar M-402 was the highest yielding entry at Glenn but yielded at or near the bottom at the RES and Sutter (Table 13). Climatic conditions mentioned earlier resulted in reduced yields for the medium-grain premium quality entry M-402 and medium grains M-202 and M-205. In the preliminary tests, long-grain 99Y494 yielded highest overall (8660 lb/acre), with yields of 9450, 7530, and 9000 lb/acre at the RES, Glenn, and Sutter sites, respectively.

Table 17 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, and L-205 yielded 107%, 98% and 102%, respectively, of M-202 over the last five years.

ACKNOWLEDGEMENTS

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Table 1. Characteristics Of Public California Rice Varieties - 2006

CHARACTERISTICS OF PUBLIC CALIFORNIA RICE VARIETIES - 2006					
Grain Type	Maturity	Year Seed Widely Available	Stem Rot Score ¹	Seedling Vigor ²	Comments
Short Grain			(0-10)	(1-5)	
S-102	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	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	Very high yield potential. Moderate lodging potential. Long time favorite variety that threshes easily.
M-204	Early	1993	5.5	4.2	Very high yield potential. Seedling vigor slightly less than M-202. Height 3 inches shorter and heading 3 days later than M-202. Better lodging resistance and improved total and head rice yields than M-202. Resistance to blanking similar to M-202. Threshes easily. Not recommended for Escalon, Natomas or other cool areas.
M-205	Early	2002	4.9	4.1	Very high yield potential. Primary adaptation area west of Highway 70 and north of Highway 20. Height, seedling vigor, and blanking resistance similar to M-204. Matures 4-7 days later than M-202. Improved milling yields relative to M-202. Not recommended for Escalon, Natomas or other cool areas.
M-206	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 lodging. Improved whole grain head potential. Four days later than M-104 and four days earlier than M-202. Avoid late planting in the Escalon/Delta areas.
M-207	Very Early to Early	2006	6.5	4.2	First Calrose cultivar released with race IG-1 blast resistance. Specifically released for the blast problem areas of Glenn and Colusa Counties. Production practices comparable to M-202.
Long Grains					
L-204	Early	1998	5.2	4.1	High yield potential. Resistant to lodging. Seedling vigor fair, may be affected by deep water. Improved head rice and cooking characteristics. Avoid early draining (requires 40-45 days after 50% heading to mature) and harvest at 18-19% moisture to maximize milling yield.
L-205	Early	2001	5.2	3.9	Newrex type, dry cooking long grain. High yield potential. Two days later than L-204. Resistant to lodging. More resistant to blanking than L-204. Seedling vigor fair. Seed size slightly smaller than L-204. Similar milling yield to L-204. Avoid early draining (requires 40-45 days after 50% heading to mature) and harvest at 16-18% grain moisture to maximize milling yield.
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	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	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 Rices					
Calmochi-101	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.
A-201	Early ⁴	1998	5.8	4.2	Aromatic (popcorn aroma) long grain. Moderate yield potential. Becomes leafy under excessive nitrogen. Poor milling yield, use slower cylinder speed and harvest at 18-20% grain moisture. Air dry without heat to retain aroma.
Calmati-201	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.
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.					

Table 2. 2006 County Weather Data - Daily Maximums and Minimums (°F). Collected by UC IPM - IMPACT and CIMIS

	Glenn (Willows)		Colusa (colusa)		Yolo (Woodland)		Butte (Durham)		Yuba (Yuba City)		Sutter (Nicolas)			Glenn (Willows)		Colusa (colusa)		Yolo (zamora)		Butte (Durham)		Yuba (Yuba City)		Sutter (Nicolas)	
	max	min	max	min	max	min	max	min	max	min	max	min		max	min	max	min	max	min	max	min	max	min	max	min
May 01	87	48	85	48	90	54	87	46	87	58	90	44	Jul 01	95	56	95	57	93	54	91	58	96	56	93	55
May 02	89	55	84	50	88	60	85	52	85	52	85	48	Jul 02	93	63	92	60	88	56	90	62	93	61	89	59
May 03	85	47	79	52	80	54	83	52	78	53	77	51	Jul 03	91	59	93	59	92	55	89	61	93	58	91	58
May 04	85	49	77	51	79	52	76	50	80	52	75	49	Jul 04	92	59	91	61	90	56	88	60	93	59	89	59
May 05	80	48	77	52	74	52	78	50	77	50	76	49	Jul 05	88	57	88	59	85	55	85	57	91	59	85	56
May 06	81	49	78	51	77	58	78	51	77	48	76	48	Jul 06	98	57	88	58	87	54	87	57	89	55	86	56
May 07	85	53	87	52	77	53	85	50	87	51	86	48	Jul 07	99	60	99	58	93	54	91	58	99	58	96	53
May 08	87	51	84	52	87	53	83	52	90	55	86	51	Jul 08	99	63	100	62	99	56	98	61	102	64	101	59
May 09	87	54	85	54	90	50	85	54	94	57	89	46	Jul 09	100	63	100	64	100	63	96	63	104	68	100	63
May 10	91	56	92	56	93	60	91	55	92	54	94	47	Jul 10	93	61	93	64	89	55	91	60	94	61	91	60
May 11	92	53	89	53	92	60	91	51	91	56	91	56	Jul 11	91	59	88	60	88	55	88	60	91	59	88	58
May 12	94	55	89	53	89	56	90	57	89	55	90	51	Jul 12	94	53	85	57	85	54	83	55	90	54	86	54
May 13	92	55	87	58	89	56	89	58	87	54	88	53	Jul 13	96	61	95	61	94	58	92	58	98	61	96	60
May 14	97	59	96	55	98	58	94	57	99	59	96	50	Jul 14	97	63	97	63	95	58	94	62	99	66	95	63
May 15	97	61	93	61	98	55	96	60	98	62	96	59	Jul 15	96	63	99	58	96	53	95	59	100	60	99	57
May 16	98	60	94	58	97	55	96	60	98	62	95	56	Jul 16	93	61	103	60	103	55	99	61	104	63	100	60
May 17	98	63	95	61	98	60	95	63	100	64	96	59	Jul 17	106	61	108	61	104	64	101	62	108	55	105	61
May 18	99	63	94	62	97	56	92	65	92	61	92	59	Jul 18	101	61	102	64	100	65	97	65	104	58	100	65
May 19	95	60	75	55	84	56	79	58	79	58	81	53	Jul 19	106	66	99	67	97	66	94	67	100	71	98	70
May 20	75	56	75	53	77	55	76	55	80	56	79	51	Jul 20	103	66	105	64	102	59	101	68	106	68	104	63
May 21	75	58	70	58	69	61	70	59	80	56	72	58	Jul 21	108	74	97	75	104	71	97	75	106	77	100	74
May 22	71	49	71	56	73	61	71	56	74	56	72	55	Jul 22	108	72	109	71	96	59	104	71	112	79	111	72
May 23	72	55	73	58	76	59	73	57	78	59	76	57	Jul 23	108	72	109	73	95	58	103	73	112	78	112	78
May 24	77	50	77	54	79	58	75	54	83	57	78	55	Jul 24	105	72	106	74	106	68	102	72	111	75	105	71
May 25	78	54	79	54	82	52	77	55	84	54	79	52	Jul 25	106	72	105	71	104	65	101	70	106	72	103	68
May 26	80	53	73	49	76	55	71	53	74	51	75	51	Jul 26	102	66	103	66	100	66	99	67	105	70	101	69
May 27	74	45	70	43	73	51	71	45	71	48	72	46	Jul 27	99	61	99	64	96	61	95	63	100	65	100	65
May 28	75	45	75	45	77	50	75	45	78	47	77	45	Jul 28	92	61	92	63	92	58	89	58	93	60	91	59
May 29	82	48	82	48	77	52	81	45	83	50	83	48	Jul 29	90	60	88	61	86	58	86	57	89	59	86	60
May 30	87	48	90	51	88	52	85	45	92	45	87	52	Jul 30	90	58	90	61	91	57	87	58	92	59	90	57
May 31	88	54	88	56	90	56	87	52	92	49	90	55	Jul 31	90	58	89	63	88	58	85	58	92	59	88	58
Jun 01	88	61	84	63	89	60	84	63	92	49	90	59	Aug 01	92	54	91	53	89	51	86	55	92	58	91	55
Jun 02	89	64	87	64	89	62	86	66	90	62	89	62	Aug 02	94	57	91	57	91	56	88	57	94	55	90	57
Jun 03	92	60	92	61	94	61	91	63	95	60	91	60	Aug 03	94	59	94	56	92	52	91	59	95	59	92	57
Jun 04	91	61	90	61	89	70	86	62	95	60	86	60	Aug 04	93	58	91	58	87	56	88	58	91	60	88	58
Jun 05	90	55	91	57	94	58	89	58	96	60	90	56	Aug 05	94	60	87	63	85	61	84	61	87	61	85	62
Jun 06	92	60	92	60	95	58	89	59	92	52	90	57	Aug 06	91	60	92	58	89	55	88	61	92	60	90	58
Jun 07	91	61	91	57	94	60	88	62	92	60	90	59	Aug 07	93	57	82	58	79	56	80	60	82	63	79	56
Jun 08	91	53	83	56	87	55	80	57	89	54	83	55	Aug 08	100	54	89	57	88	50	86	55	92	54	87	55
Jun 09	87	57	87	55	87	57	88	54	88	55	86	55	Aug 09	99	64	99	61	97	59	97	60	98	62	97	60
Jun 10	88	56	83	55	84	56	83	56	87	58	83	53	Aug 10	97	60	98	63	95	61	93	61	98	64	95	65
Jun 11	83	57	82	57	84	57	80	60	78	57	82	56	Aug 11	94	60	92	64	88	56	89	60	94	62	88	59
Jun 12	83	56	78	56	75	58	74	57	76	57	73	55	Aug 12	93	55	93	54	89	52	89	55	95	58	93	54
Jun 13	76	54	76	55	77	55	73	56	75	53	73	54	Aug 13	93	54	91	55	88	50	87	56	92	55	88	56
Jun 14	75	55	75	49	78	52	74	50	76	50	76	50	Aug 14	91	55	91	59	87	55	88	58	92	57	87	56
Jun 15	89	55	88	54	89	58	88	52	87	55	85	56	Aug 15	88	54	88	57	84	50	85	56	89	55	84	54
Jun 16	100	61	100	62	100	69	98	60	98	65	95	60	Aug 16	96	54	85	56	81	54	82	56	86	55	82	54
Jun 17	101	58	97	58	98	67	95	57	99	58	96	59	Aug 17	96	53	95	51	92	50	94	52	95	53	94	47
Jun 18	96	58	94	60	94	62	92	58	95	62	91	60	Aug 18	94	52	92	57	91	57	89	54	94	57	89	56
Jun 19	98	55	91	54	101	57	89	57	90	57	90	56	Aug 19	93	54	93	55	89	51	89	56	94	57	90	54
Jun 20	99	59	98	56	98	56	97	56	99	61	99	58	Aug 20	90	54	91	54	86	52	89	55	93	54	91	53
Jun 21	100	65	100	63	100	69	95	58	104	72	95	62	Aug 21	93	55	94	57	90	53	88	56	96	54	94	54
Jun 22	105	68	104	67	102	75	105	68	104	72	105	63	Aug 22	94	57	94	55	93	52	90	54	97	54	93	57
Jun 23	102	62	105	62	106	69	104	59	105	66	102	61	Aug 23	91	53	92	54	91	51	88	55	93	54	91	53
Jun 24	105	61	105	65	102	64	97	63	105	70	97	63	Aug 24	92	56	92	55	90	49	89	52	97	56	90	53
Jun 25	103	63	100	68	103	64	95	69	106	70	97	62	Aug 25	93	52	88	52	83	53	85	52	89	56	84	54
Jun 26	102	68	101	67	100	67	99	70	100	73	97	65	Aug 26	95	55	94	54	89	50	88	54	92	55	92	55
Jun 27	100	68	95	67	96	69	93	69	99	70	90	66	Aug 27	94	57	93	57	91	53	89	58	94	57	91	56
Jun 28	95	66	86	65	96	66	86	67	88	67	89	65	Aug 28	94	56	94	54	92	53	91	58	92	58	93	56
Jun 29	95	63	97	64	99	63	93	66	98	63	95	62	Aug 29	93	55	89	57	85	54	85	55	89	55	85	55
Jun 30	96	57	92	63	86	59	89	62	93	63	88	60	Aug 30	95	55	93	54	91	52	93	55	93	56	90	52
													Aug 31	96	60	97	55	95	61	92	59	98	63		

Table 2. (Continued)

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

Table 3. 2006 Very Early Rice Variety Tests - Three Location Summary

<i>Advanced Lines and Varieties</i>												
Variety	Grain Type	Average Yield at 14% Moisture			Yield			Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		lbs/acre	Biggs	Sutter	Yolo							
S102	S	9230 (1)	9170 (8)	9780 (1)	8730 (4)	16.1 (11)	4.9 (14)	74 (3)	59 (14)	37 (11)		
04Y508	L	9150 (2)	9800 (2)	8520 (8)	9130 (2)	15.9 (12)	4.9 (13)	81 (14)	6 (1)	37 (8)		
L206	L	9100 (3)	9990 (1)	9030 (2)	8290 (11)	14.7 (17)	4.9 (11)	76 (7)	32 (9)	34 (3)		
01Y655	REX	8980 (4)	9490 (4)	8270 (14)	9180 (1)	17.1 (5)	4.9 (9)	90 (17)	8 (2)	38 (12)		
04Y501	REX	8850 (5)	9510 (3)	8490 (9)	8540 (8)	14.9 (16)	5.0 (6)	78 (12)	14 (5)	38 (14)		
M206	M	8810 (6)	9280 (6)	8780 (5)	8360 (10)	18.3 (3)	5.0 (1)	75 (5)	56 (12)	37 (9)		
03Y254	M	8770 (7)	9070 (9)	8870 (3)	8370 (9)	18.0 (4)	5.0 (2)	77 (10)	36 (10)	39 (15)		
02Y516	L	8770 (8)	9000 (10)	8440 (12)	8860 (3)	15.8 (13)	4.9 (7)	76 (7)	10 (4)	39 (16)		
M202	M	8750 (9)	8960 (11)	8580 (7)	8700 (5)	18.9 (1)	5.0 (2)	83 (15)	24 (8)	37 (10)		
L205	REX	8630 (10)	9350 (5)	7970 (16)	8570 (6)	15.6 (15)	4.9 (7)	83 (16)	15 (6)	36 (5)		
04Y177	SPQ	8520 (11)	9210 (7)	8160 (15)	8190 (12)	17.1 (6)	4.9 (14)	75 (6)	59 (13)	35 (4)		
04Y227	M	8460 (12)	8000 (16)	8820 (4)	8560 (7)	16.7 (8)	4.9 (12)	72 (2)	70 (17)	39 (17)		
CM101	WX	8250 (13)	8490 (15)	8640 (6)	7610 (14)	16.8 (7)	5.0 (4)	76 (9)	63 (15)	38 (13)		
M104	M	8160 (14)	7970 (17)	8480 (10)	8020 (13)	16.5 (9)	5.0 (4)	70 (1)	68 (16)	36 (7)		
05Y176	SPQ	8150 (15)	8620 (13)	8450 (11)	7380 (16)	15.8 (14)	4.8 (17)	74 (4)	42 (11)	33 (1)		
03Y164	SPQ	8140 (16)	8510 (14)	8300 (13)	7600 (15)	16.5 (10)	4.9 (9)	80 (13)	19 (7)	36 (6)		
03Y166	SPQ	7800 (17)	8930 (12)	7380 (17)	7100 (17)	18.3 (2)	4.8 (16)	77 (11)	8 (3)	34 (2)		
MEAN		8620	9020	8530	8310	16.6	4.9	77	35	37		
CV		6	8.2	4.4	4	5.4	1.5	1.9	39.8	3		
LSD (.05)		420	1050	540	470	0.7	0.1	1	11	1		
<i>Preliminary Lines and Varieties</i>												
05Y379	M	9210 (1)	9080 (8)	9690 (1)	8850 (6)	17.2 (16)	5.0 (1)	75 (7)	61 (31)	37 (23)		
05Y724	M	8990 (2)	9340 (4)	9270 (2)	8370 (17)	17.3 (13)	5.0 (1)	74 (4)	48 (24)	37 (25)		
05Y552	JAS	8900 (3)	9510 (1)	8750 (10)	8440 (16)	14.2 (34)	4.9 (16)	75 (6)	9 (6)	35 (5)		
04Y523	L	8850 (4)	8650 (23)	8840 (7)	9040 (2)	14.9 (33)	5.0 (1)	78 (22)	15 (10)	37 (24)		
05Y490	L	8820 (5)	9390 (3)	8040 (27)	9040 (3)	15.0 (30)	4.9 (29)	81 (30)	13 (8)	35 (3)		
05Y869	M	8820 (6)	8710 (21)	8870 (6)	8880 (5)	17.3 (13)	4.9 (21)	76 (9)	57 (27)	39 (33)		
05Y282	M	8800 (7)	8560 (26)	9040 (4)	8800 (7)	17.0 (19)	4.9 (12)	76 (12)	51 (26)	37 (21)		
05Y196	SPQ	8770 (8)	8790 (17)	8300 (17)	9220 (1)	17.6 (11)	4.9 (12)	78 (24)	88 (34)	36 (12)		
99Y529	L	8760 (9)	8940 (12)	9070 (3)	8280 (21)	15.0 (31)	4.9 (21)	79 (25)	3 (3)	38 (31)		
05Y528	LBL	8710 (10)	9420 (2)	8110 (24)	8600 (11)	15.3 (27)	4.9 (26)	76 (14)	20 (14)	38 (26)		
04Y332	MPQ	8670 (11)	9020 (9)	8500 (13)	8480 (15)	17.9 (6)	4.9 (24)	79 (28)	20 (13)	38 (27)		
05Y330	MPQ	8660 (12)	8950 (11)	8410 (15)	8620 (10)	18.7 (3)	4.9 (30)	79 (26)	27 (18)	37 (18)		
05Y547	L	8660 (13)	8800 (16)	8190 (21)	8980 (4)	15.3 (28)	4.9 (21)	79 (29)	13 (9)	38 (30)		
05Y830	M	8650 (14)	8830 (15)	8760 (9)	8350 (18)	17.7 (10)	4.9 (18)	76 (10)	36 (19)	37 (17)		
05Y299	MPQ	8620 (15)	8740 (20)	8460 (14)	8670 (8)	17.9 (8)	5.0 (7)	76 (13)	62 (32)	38 (28)		
05Y471	M	8610 (16)	8780 (18)	8720 (11)	8340 (19)	17.7 (9)	5.0 (8)	73 (1)	44 (22)	39 (34)		
05Y536	L	8540 (17)	8750 (19)	8280 (18)	8600 (12)	14.9 (32)	4.9 (19)	81 (31)	3 (4)	37 (22)		
05Y519	REX	8470 (18)	9260 (6)	8220 (20)	7950 (28)	16.6 (23)	4.8 (32)	82 (32)	2 (1)	35 (9)		
04Y218	SWX	8450 (19)	9110 (7)	8360 (16)	7870 (29)	19.6 (1)	4.8 (31)	76 (10)	21 (15)	36 (13)		
05Y455	M	8430 (20)	8140 (30)	8920 (5)	8230 (23)	17.0 (21)	4.9 (12)	73 (3)	48 (25)	38 (32)		
05Y262	M	8410 (21)	8490 (28)	8680 (12)	8050 (26)	18.4 (4)	4.9 (26)	79 (26)	24 (17)	37 (15)		
05Y468	M	8400 (22)	7790 (34)	8780 (8)	8640 (9)	16.6 (22)	4.9 (24)	76 (15)	45 (23)	37 (20)		
03Y151	REX	8400 (23)	8850 (13)	8020 (28)	8320 (20)	16.5 (24)	4.9 (26)	85 (33)	2 (2)	35 (6)		
05Y802	M	8310 (24)	9320 (5)	7100 (32)	8510 (14)	19.1 (2)	4.9 (9)	87 (34)	19 (12)	36 (14)		
04Y492	L	8300 (25)	8680 (22)	8090 (26)	8110 (25)	15.1 (29)	5.0 (5)	77 (18)	6 (5)	38 (29)		
05Y426	M	8140 (26)	8580 (24)	7720 (29)	8110 (24)	17.2 (15)	5.0 (6)	75 (5)	60 (30)	36 (10)		
05Y178	SPQ	8130 (27)	8040 (32)	8110 (25)	8250 (22)	17.9 (7)	4.9 (12)	78 (21)	57 (28)	35 (8)		
05Y850	M	8070 (28)	8830 (14)	7370 (31)	8000 (27)	17.1 (18)	5.0 (1)	77 (16)	59 (29)	36 (11)		
05Y804	M	8020 (29)	8070 (31)	8270 (19)	7700 (32)	17.0 (20)	4.9 (16)	75 (8)	23 (16)	37 (19)		
05Y1072	M	8010 (30)	8030 (33)	8150 (23)	7860 (30)	16.2 (25)	4.9 (9)	73 (2)	44 (21)	37 (16)		
05Y194	SPQ	7980 (31)	8570 (25)	7630 (30)	7750 (31)	17.4 (12)	4.9 (19)	77 (20)	16 (11)	35 (4)		
05Y175	SPQ	7960 (32)	8290 (29)	7080 (33)	8520 (13)	16.1 (26)	4.9 (9)	77 (16)	87 (33)	35 (7)		
03Y167	SPQ	7750 (33)	8980 (10)	7070 (34)	7210 (33)	17.9 (5)	4.7 (33)	78 (22)	9 (7)	35 (2)		
03Y170	SPQ	7700 (34)	8540 (27)	8160 (22)	6420 (34)	17.1 (17)	4.7 (34)	77 (19)	43 (20)	34 (1)		
MEAN		8540	8760	8320	8330	16.6	4.9	76	38	37		
CV		6.9	8.1	3.4	4.3	5.6	2.6	2.2	43.4	3.5		
LSD (.05)		580	580	580	720	0.9	0.1	2	16	1		

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; REX = Newrex; JAS = 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 4. 2006 Very Early 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)
L206	L	9990 (1)	14.7 (13)	4.8 (11)	71 (4)	29 (5)	36 (3)
04Y508	L	9800 (2)	15.6 (7)	4.8 (11)	76 (13)	16 (2)	38 (8)
04Y501	REX	9510 (3)	14.5 (14)	4.9 (5)	72 (8)	37 (6)	41 (15)
01Y655	REX	9490 (4)	16.0 (5)	4.9 (6)	81 (17)	11 (1)	40 (13)
L205	REX	9350 (5)	14.5 (15)	4.9 (6)	77 (14)	38 (7)	37 (5)
M206	M	9280 (6)	17.3 (2)	5.0 (1)	71 (3)	74 (11)	39 (9)
04Y177	SPQ	9210 (7)	15.5 (9)	4.7 (15)	71 (7)	93 (16)	37 (4)
S102	S	9170 (8)	14.3 (16)	4.8 (14)	73 (9)	82 (12)	39 (10)
03Y254	M	9070 (9)	16.8 (3)	4.9 (2)	75 (11)	88 (14)	41 (15)
02Y516	L	9000 (10)	14.8 (12)	4.8 (10)	71 (4)	26 (4)	41 (14)
M202	M	8960 (11)	17.9 (1)	4.9 (2)	80 (16)	59 (9)	40 (12)
03Y166	SPQ	8930 (12)	15.7 (6)	4.7 (16)	75 (12)	17 (3)	36 (2)
05Y176	SPQ	8620 (13)	13.3 (17)	4.7 (17)	71 (6)	68 (10)	34 (1)
03Y164	SPQ	8510 (14)	15.5 (8)	4.8 (11)	78 (15)	49 (8)	38 (6)
CM101	WX	8490 (15)	16.3 (4)	4.9 (6)	74 (10)	97 (17)	40 (11)
04Y227	M	8000 (16)	14.9 (11)	4.9 (2)	68 (2)	82 (13)	42 (17)
M104	M	7970 (17)	15.4 (10)	4.9 (6)	67 (1)	91 (15)	38 (7)
MEAN		9020	15.5	4.8	73	56	39
CV		8.2	7.7	1.8	2.5	28.5	3
LSD (.05)		1050	1.7	0.1	3	23	2

Preliminary Lines and Varieties

05Y552	JAS	9510 (1)	14.1 (34)	4.8 (23)	71 (11)	24 (6)	37 (5)
05Y528	LBL	9420 (2)	15.4 (19)	4.8 (19)	74 (26)	44 (13)	40 (30)
05Y490	L	9390 (3)	14.6 (27)	4.9 (6)	76 (31)	37 (10)	37 (6)
05Y724	M	9340 (4)	17.0 (6)	5.0 (1)	70 (4)	58 (21)	39 (26)
05Y802	M	9320 (5)	18.5 (1)	4.8 (12)	80 (34)	47 (16)	40 (27)
05Y519	REX	9260 (6)	15.8 (14)	4.8 (23)	75 (30)	4 (1)	38 (16)
04Y218	SWX	9110 (7)	17.4 (2)	4.6 (34)	74 (24)	44 (13)	38 (12)
05Y379	M	9080 (8)	16.1 (11)	5.0 (1)	72 (13)	96 (33)	39 (22)
04Y332	MPQ	9020 (9)	17.3 (4)	4.8 (17)	74 (24)	43 (11)	39 (24)
03Y167	SPQ	8980 (10)	15.2 (22)	4.7 (29)	75 (28)	25 (7)	37 (4)
05Y330	MPQ	8950 (11)	17.4 (3)	4.7 (27)	74 (26)	26 (8)	38 (17)
99Y529	L	8940 (12)	14.6 (26)	4.7 (31)	75 (28)	7 (3)	39 (24)
03Y151	REX	8850 (13)	14.4 (31)	4.8 (19)	79 (33)	5 (2)	38 (10)
05Y850	M	8830 (14)	16.7 (7)	5.0 (1)	72 (12)	81 (26)	38 (9)
05Y830	M	8830 (15)	15.9 (12)	4.9 (8)	70 (4)	48 (17)	39 (18)
05Y547	L	8800 (16)	14.3 (32)	4.8 (12)	72 (13)	36 (9)	41 (32)
05Y196	SPQ	8790 (17)	15.5 (16)	4.8 (12)	72 (15)	92 (31)	37 (8)
05Y471	M	8780 (18)	17.3 (4)	4.9 (11)	70 (6)	66 (22)	41 (34)
05Y536	L	8750 (19)	14.6 (27)	4.7 (29)	76 (31)	7 (4)	39 (19)
05Y299	MPQ	8740 (20)	16.5 (8)	4.9 (8)	72 (15)	93 (32)	40 (31)
05Y869	M	8710 (21)	15.4 (18)	4.7 (31)	71 (9)	85 (29)	41 (32)
04Y492	L	8680 (22)	14.9 (25)	5.0 (5)	73 (17)	13 (5)	39 (22)
04Y523	L	8650 (23)	14.6 (27)	5.0 (1)	73 (18)	44 (13)	40 (28)
05Y426	M	8580 (24)	16.3 (10)	4.9 (6)	70 (3)	81 (26)	38 (11)
05Y194	SPQ	8570 (25)	14.5 (30)	4.8 (23)	73 (22)	43 (11)	36 (2)
05Y282	M	8560 (26)	15.3 (21)	4.9 (8)	71 (9)	70 (23)	39 (21)
03Y170	SPQ	8540 (27)	15.5 (15)	4.7 (31)	73 (18)	91 (30)	35 (1)
05Y262	M	8490 (28)	16.5 (8)	4.7 (27)	73 (20)	48 (17)	38 (12)
05Y175	SPQ	8290 (29)	14.1 (33)	4.8 (12)	73 (20)	97 (34)	37 (3)
05Y455	M	8140 (30)	15.4 (19)	4.8 (19)	69 (2)	71 (24)	40 (29)
05Y804	M	8070 (31)	15.8 (13)	4.8 (17)	70 (7)	51 (19)	39 (19)
05Y178	SPQ	8040 (32)	15.5 (16)	4.8 (19)	74 (23)	83 (28)	37 (7)
05Y1072	M	8030 (33)	14.9 (24)	4.8 (12)	68 (1)	55 (20)	38 (14)
05Y468	M	7790 (34)	15.1 (23)	4.8 (23)	70 (7)	75 (25)	38 (14)
MEAN		8760	15.6	4.8	73	53	39
CV		8.1	7.1	2.8	2.7	36.6	3.3
LSD (.05)			1.6	0.2	3	27	2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; REX = Newrex; JAS = 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 5. 2006 Very Early Rice Variety Test - Sutter County

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)
S102	S	9780 (1)	14.3 (11)	5.0 (1)	77 (2)	94 (16)	36 (13)
L206	L	9030 (2)	13.1 (16)	5.0 (1)	79 (4)	68 (11)	33 (2)
03Y254	M	8870 (3)	16.6 (2)	5.0 (1)	80 (7)	20 (9)	36 (15)
04Y227	M	8820 (4)	15.3 (5)	4.8 (17)	77 (3)	92 (15)	37 (17)
M206	M	8780 (5)	15.1 (7)	5.0 (1)	80 (6)	94 (16)	35 (10)
CM101	WX	8640 (6)	14.1 (13)	5.0 (1)	80 (7)	88 (14)	35 (12)
M202	M	8580 (7)	16.2 (3)	5.0 (1)	86 (14)	8 (7)	34 (8)
04Y508	L	8520 (8)	13.7 (14)	5.0 (1)	87 (15)	1 (1)	34 (6)
04Y501	REX	8490 (9)	13.3 (15)	5.0 (1)	83 (13)	6 (3)	36 (14)
M104	M	8480 (10)	15.9 (4)	5.0 (1)	76 (1)	86 (13)	34 (9)
05Y176	SPQ	8450 (11)	15.0 (8)	5.0 (1)	79 (5)	56 (10)	33 (2)
02Y516	L	8440 (12)	14.1 (12)	5.0 (1)	81 (9)	2 (2)	37 (16)
03Y164	SPQ	8300 (13)	14.6 (9)	5.0 (1)	83 (12)	7 (5)	35 (11)
01Y655	REX	8270 (14)	12.9 (17)	5.0 (1)	94 (17)	13 (8)	34 (7)
04Y177	SPQ	8160 (15)	15.3 (6)	5.0 (1)	82 (10)	68 (11)	33 (4)
L205	REX	7970 (16)	14.3 (10)	5.0 (16)	87 (15)	6 (3)	34 (5)
03Y166	SPQ	7380 (17)	17.3 (1)	5.0 (1)	82 (10)	7 (6)	32 (1)
MEAN		8530	14.8	5.0	82	42	35
CV		4.4	4.8	0.8	1.7	37	2.7
LSD (.05)		540	1	0.1	2	22	1

Preliminary Lines and Varieties

05Y379	M	9690 (1)	16.0 (3)	5.0 (1)	78 (5)	85 (28)	35 (23)
05Y724	M	9270 (2)	15.0 (15)	5.0 (1)	77 (1)	85 (28)	36 (31)
99Y529	L	9070 (3)	13.5 (27)	5.0 (1)	85 (27)	1 (1)	36 (31)
05Y282	M	9040 (4)	15.5 (11)	5.0 (1)	82 (14)	83 (26)	35 (26)
05Y455	M	8920 (5)	14.9 (17)	5.0 (1)	77 (1)	70 (24)	37 (33)
05Y869	M	8870 (6)	14.8 (18)	5.0 (1)	81 (13)	85 (27)	37 (33)
04Y523	L	8840 (7)	12.9 (31)	5.0 (1)	84 (20)	1 (1)	34 (8)
05Y468	M	8780 (8)	14.6 (19)	5.0 (28)	83 (17)	55 (21)	35 (23)
05Y830	M	8760 (9)	15.6 (9)	4.9 (31)	82 (14)	60 (22)	34 (15)
05Y552	LJ	8750 (10)	13.1 (30)	5.0 (1)	78 (6)	1 (1)	32 (2)
05Y471	M	8720 (11)	15.7 (5)	5.0 (1)	77 (1)	60 (22)	35 (26)
05Y262	M	8680 (12)	15.6 (10)	5.0 (1)	86 (28)	18 (15)	35 (19)
04Y332	MPQ	8500 (13)	15.2 (14)	5.0 (1)	84 (23)	15 (13)	36 (30)
05Y299	MPQ	8460 (14)	15.7 (6)	5.0 (1)	79 (7)	93 (30)	35 (22)
05Y330	MPQ	8410 (15)	15.3 (13)	4.9 (31)	80 (10)	53 (20)	35 (25)
04Y218	SWX	8360 (16)	17.5 (1)	5.0 (1)	79 (7)	18 (15)	34 (9)
05Y196	SPQ	8300 (17)	14.2 (24)	5.0 (28)	86 (30)	97 (33)	35 (21)
05Y536	L	8280 (18)	12.9 (33)	5.0 (1)	86 (30)	1 (1)	34 (13)
05Y804	M	8270 (19)	14.9 (16)	5.0 (28)	83 (17)	18 (15)	34 (18)
05Y519	REX	8220 (20)	13.4 (29)	5.0 (1)	85 (26)	1 (1)	33 (6)
05Y547	L	8190 (21)	13.7 (26)	5.0 (1)	84 (23)	3 (9)	36 (28)
03Y170	SPQ	8160 (22)	15.6 (8)	5.0 (1)	83 (16)	33 (18)	33 (3)
05Y1072	M	8150 (23)	14.4 (22)	5.0 (1)	77 (1)	73 (25)	34 (9)
05Y528	LBL	8110 (24)	12.9 (32)	5.0 (1)	79 (9)	15 (13)	35 (19)
05Y178	SPQ	8110 (25)	15.5 (12)	5.0 (1)	87 (32)	50 (19)	34 (9)
04Y492	L	8090 (26)	13.4 (28)	5.0 (1)	84 (20)	6 (11)	36 (29)
05Y490	L	8040 (27)	12.8 (34)	4.9 (31)	84 (23)	1 (1)	33 (5)
03Y151	REX	8020 (28)	15.7 (7)	4.9 (31)	89 (33)	1 (1)	32 (1)
05Y426	M	7720 (29)	14.4 (23)	5.0 (1)	80 (10)	99 (34)	34 (9)
05Y194	SPQ	7630 (30)	16.0 (4)	5.0 (1)	86 (28)	3 (9)	34 (15)
05Y850	M	7370 (31)	14.1 (25)	5.0 (1)	81 (12)	95 (31)	34 (15)
05Y802	M	7100 (32)	14.6 (20)	5.0 (1)	94 (34)	6 (11)	34 (13)
05Y175	SPQ	7080 (33)	14.5 (21)	5.0 (1)	83 (17)	95 (31)	33 (6)
03Y167	SPQ	7070 (34)	17.4 (2)	5.0 (1)	84 (20)	1 (1)	33 (3)
MEAN		8320	14.7	5.0	82	40	34
CV		3.4	3.9	1.4	1.5	37.7	3.4
LSD (.05)		580	1.2		3	31	2

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; REX = 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. 2006 Very Early Rice Variety Test - Yolo County

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)
01Y655	REX	9180 (1)	22.3 (3)	4.9 (15)	95 (17)	1 (1)	39 (15)
04Y508	L	9130 (2)	18.5 (13)	4.9 (13)	81 (14)	1 (1)	38 (10)
02Y516	L	8860 (3)	18.6 (12)	5.0 (1)	76 (10)	1 (1)	39 (16)
S102	S	8730 (4)	19.7 (9)	4.9 (13)	72 (4)	2 (11)	37 (8)
M202	M	8700 (5)	22.7 (1)	5.0 (1)	83 (15)	6 (13)	38 (13)
L205	REX	8570 (6)	17.9 (15)	5.0 (1)	85 (16)	1 (1)	36 (5)
04Y227	M	8560 (7)	20.0 (7)	5.0 (1)	71 (2)	35 (17)	39 (17)
04Y501	REX	8540 (8)	16.9 (16)	5.0 (11)	78 (13)	1 (1)	38 (10)
03Y254	M	8370 (9)	20.5 (6)	5.0 (1)	75 (8)	1 (1)	38 (14)
M206	M	8360 (10)	22.5 (2)	5.0 (1)	74 (7)	1 (1)	38 (9)
L206	L	8290 (11)	16.4 (17)	5.0 (10)	78 (11)	1 (1)	34 (3)
04Y177	SPQ	8190 (12)	20.5 (5)	5.0 (11)	72 (5)	17 (15)	36 (6)
M104	M	8020 (13)	18.3 (14)	5.0 (1)	67 (1)	28 (16)	37 (7)
CM101	WX	7610 (14)	20.0 (8)	5.0 (1)	74 (6)	6 (13)	38 (12)
03Y164	SPQ	7600 (15)	19.3 (10)	5.0 (1)	78 (11)	2 (11)	35 (4)
05Y176	SPQ	7380 (16)	19.2 (11)	4.8 (17)	71 (3)	1 (1)	33 (1)
03Y166	SPQ	7100 (17)	22 (4)	4.8 (16)	76 (9)	1 (1)	34 (2)
MEAN		8310	19.7	5.0	77	6	37
CV		4	3.5	1.8	1.3	141.8	3.3
LSD (.05)		470	1	0.1	1	12	2

Preliminary Lines and Varieties

05Y196	SPQ	9220 (1)	23.1 (4)	5.0 (1)	76 (18)	75 (34)	37 (13)
04Y523	L	9040 (2)	17.3 (31)	5.0 (1)	78 (23)	1 (1)	38 (26)
05Y490	L	9040 (3)	17.7 (29)	4.9 (27)	84 (31)	1 (1)	35 (3)
05Y547	L	8980 (4)	17.9 (27)	4.9 (27)	81 (28)	1 (1)	37 (19)
05Y869	M	8880 (5)	21.8 (7)	5.0 (1)	75 (12)	1 (1)	38 (26)
05Y379	M	8850 (6)	19.3 (25)	5.0 (1)	76 (15)	1 (1)	37 (17)
05Y282	M	8800 (7)	20.4 (16)	4.9 (25)	75 (12)	1 (1)	37 (15)
05Y299	MPQ	8670 (8)	21.5 (10)	5.0 (1)	78 (24)	1 (1)	38 (28)
05Y468	M	8640 (9)	20.2 (21)	5.0 (23)	76 (18)	6 (27)	38 (21)
05Y330	MPQ	8620 (10)	23.3 (3)	5.0 (1)	83 (29)	1 (1)	37 (13)
05Y528	LBL	8600 (11)	17.8 (28)	4.9 (27)	76 (18)	1 (1)	38 (21)
05Y536	L	8600 (12)	17.4 (30)	5.0 (1)	83 (29)	1 (1)	38 (30)
05Y175	SPQ	8520 (13)	19.8 (23)	5.0 (1)	74 (7)	70 (33)	36 (12)
05Y802	M	8510 (14)	24.2 (1)	5.0 (1)	87 (34)	6 (27)	36 (11)
04Y332	MPQ	8480 (15)	21.3 (11)	4.9 (27)	79 (27)	1 (1)	38 (25)
05Y552	LJ	8440 (16)	15.5 (34)	5.0 (1)	75 (10)	1 (1)	36 (10)
05Y724	M	8370 (17)	20.0 (22)	5.0 (1)	74 (7)	1 (1)	37 (15)
05Y830	M	8350 (18)	21.7 (8)	5.0 (1)	76 (15)	1 (1)	37 (20)
05Y471	M	8340 (19)	20.2 (20)	5.0 (1)	71 (1)	6 (27)	39 (32)
03Y151	REX	8320 (20)	19.4 (24)	5.0 (1)	86 (32)	1 (1)	35 (6)
99Y529	L	8280 (21)	16.8 (33)	5.0 (1)	76 (18)	1 (1)	39 (32)
05Y178	SPQ	8250 (22)	22.8 (6)	5.0 (1)	73 (4)	38 (32)	35 (5)
05Y455	M	8230 (23)	20.8 (14)	5.0 (1)	74 (5)	3 (24)	39 (31)
05Y426	M	8110 (24)	20.9 (13)	5.0 (1)	74 (7)	1 (1)	35 (9)
04Y492	L	8110 (25)	17.0 (32)	5.0 (1)	75 (10)	1 (1)	39 (32)
05Y262	M	8050 (26)	23.0 (5)	4.9 (25)	78 (24)	6 (27)	37 (17)
05Y850	M	8000 (27)	20.4 (17)	5.0 (1)	78 (24)	1 (1)	35 (7)
05Y519	REX	7950 (28)	20.6 (15)	4.6 (32)	86 (33)	1 (1)	35 (7)
04Y218	SWX	7870 (29)	23.9 (2)	4.8 (31)	75 (12)	1 (1)	38 (21)
05Y1072	M	7860 (30)	19.3 (26)	5.0 (1)	73 (2)	3 (24)	38 (28)
05Y194	SPQ	7750 (31)	21.5 (9)	5.0 (23)	74 (5)	3 (24)	35 (3)
05Y804	M	7700 (32)	20.4 (18)	5.0 (1)	73 (2)	1 (1)	38 (21)
03Y167	SPQ	7210 (33)	21.2 (12)	4.5 (33)	76 (15)	1 (1)	34 (2)
03Y170	SPQ	6420 (34)	20.3 (19)	4.5 (33)	77 (22)	6 (27)	34 (1)
MEAN		8330	20.3	4.9	77	7	37
CV		4.3	2.6	2.9	1.5	80.2	4
LSD (.05)		720	1.1	0.3	2	12	3

S = short; M = medium; L = long; PQ = premium quality; WX = waxy; REX = 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. Grain Yield (lb/acre @14% moisture) Summary of Very Early Rice Varieties by Location and Year (2002-2006)

Location	Year	M-103*	M-104	M-202	M-206	Calmochi			
						101	S-102	L-204*	L-205
Biggs (RES)	2002	8740	10170	9710	10670	8890	9910	10120	10910
	2003	6720	7470	7760	7950	8630	10150	9480	9370
	2004	9380	9380	9050	10210	8150	9620	10830	10350
	2005	7460	5860	7560	7970	7220	8350	8140	8920
	2006	-	7970	8960	9280	8490	9170	-	9350
Location Mean		8075	8170	8608	9216	8276	9440	9642.5	9780
San Joaquin	2002	9027	9833	9153	9310	8944	9320	8159	7615
	2003	8713	8860	8347	9299	9027	9487	8567	8253
	2004	8260	8880	8530	9110	9250	8330	8190	8050
	2005	7490	7810	7530	7550	8480	8430	7360	7450
	2006**	-	-	-	-	-	-	-	-
Location Mean		8373	8846	8390	8817	8925	8892	8069	7842
Sutter	2002	8692	10063	9351	10324	9425	10408	9268	9467
	2003	9749	8808	8630	8975	7688	8849	8755	9006
	2004	10110	10400	11090	10150	10750	11050	11350	10400
	2005	7040	7800	7220	7570	7090	8510	6980	7440
	2006	-	8480	8580	8780	8640	9780	-	7970
Location Mean		8898	9110	8974	9160	8719	9719	9088	8857
Yolo	2002	10165	10482	9497	10044	9727	10756	8283	8950
	2003	9530	9716	10230	10176	9279	9902	9399	9880
	2004	-	-	-	-	-	-	-	-
	2005	8810	8830	9750	9600	8800	9460	9030	9740
	2006	-	8020	8700	8360	7610	8730	-	8570
Location Mean		9502	9262	9544	9545	8854	9712	8904	9285
Loc/Years Mean		8659	8824	8869	9185	8672	9456	8927	8983
Yield % M-104		98.1	100.0	100.5	104.1	98.3	107.2	101.2	101.8
Number of Tests		15	18	18	18	18	18	15	18

* Note: entries M103 and L204 have been discontinued in the very early tests as of the 2006 season.

** Test location not planted in 2006.

Table 8. 2006 Early Rice Variety Tests - Three Location Summary

<i>Advanced Lines and Varieties</i>												
Variety	Grain Type	Average Yield at 14% Moisture			Yield			Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		lbs/acre	Biggs	Butte	Colusa							
03Y496	LSR	10090 (1)	10660 (1)	9600 (1)	10010 (4)	18.8 (11)	4.8 (18)	83 (15)	1 (2)	42 (19)		
04Y404	M	9750 (2)	9870 (4)	9230 (3)	10160 (3)	21.0 (4)	4.5 (20)	83 (18)	14 (8)	39 (8)		
99Y529	L	9700 (3)	9490 (9)	8780 (6)	10830 (1)	15.9 (19)	4.8 (15)	78 (7)	6 (4)	41 (17)		
03Y151	REX	9620 (4)	10100 (2)	9270 (2)	9500 (9)	17.5 (15)	4.8 (19)	82 (14)	1 (1)	39 (5)		
M205	M	9600 (5)	9250 (13)	8820 (5)	10720 (2)	21.4 (2)	4.8 (14)	86 (20)	6 (5)	38 (3)		
L206	L	9420 (6)	10040 (3)	8640 (7)	9580 (8)	15.4 (20)	4.9 (12)	74 (4)	33 (12)	38 (2)		
M208	M	9250 (7)	9310 (10)	8620 (8)	9830 (7)	20.1 (7)	4.9 (6)	80 (8)	27 (10)	41 (18)		
04Y308	MPQ	9130 (8)	9130 (14)	8370 (11)	9880 (6)	21.3 (3)	4.9 (7)	81 (9)	14 (7)	40 (9)		
01Y655	REX	9080 (9)	8870 (16)	9000 (4)	9380 (11)	17.0 (17)	4.9 (12)	85 (19)	8 (6)	42 (20)		
S102	S	9080 (10)	9740 (5)	8430 (10)	9060 (14)	17.4 (16)	5.0 (2)	72 (1)	87 (19)	41 (15)		
M207	M	9060 (11)	9530 (8)	8230 (13)	9430 (10)	19.8 (8)	5.0 (4)	76 (6)	66 (18)	41 (12)		
04Y165	SPQ	9050 (12)	9550 (7)	8490 (9)	9100 (13)	18.7 (13)	4.9 (11)	82 (11)	23 (9)	37 (1)		
M206	M	8980 (13)	9560 (6)	8080 (16)	9300 (12)	20.9 (5)	5.0 (2)	73 (2)	49 (16)	41 (16)		
M202	M	8980 (14)	9000 (15)	7970 (18)	9970 (5)	21.5 (1)	5.0 (5)	82 (12)	27 (11)	41 (13)		
04Y189	SPQ	8680 (15)	9270 (12)	8240 (12)	8540 (18)	19.2 (10)	4.8 (15)	82 (10)	40 (14)	39 (6)		
L205	REX	8680 (16)	9280 (11)	8090 (15)	8660 (17)	16.1 (18)	4.9 (10)	82 (13)	5 (3)	38 (4)		
05Y300	MPQ	8620 (17)	8850 (17)	8000 (17)	9000 (15)	20.9 (6)	4.8 (17)	83 (17)	46 (15)	40 (10)		
03Y804	M	8560 (18)	8750 (18)	8150 (14)	8780 (16)	19.2 (9)	4.9 (7)	74 (3)	38 (13)	41 (14)		
CH201	SPQ	8040 (19)	8650 (19)	6930 (19)	8530 (19)	17.7 (14)	5.0 (1)	83 (16)	63 (17)	39 (7)		
CM101	WX	7520 (20)	8590 (20)	6380 (20)	7570 (20)	18.7 (12)	4.9 (9)	75 (5)	96 (20)	40 (11)		
MEAN		9040	9370	8370	9390	18.9	4.9	80	33	40		
CV		5.2	5.7	4.4	5.2	3.8	2.6	1.8	52	3.3		
LSD (.05)		380	760	520	690	0.6	0.1	1	14	1		
<i>Preliminary Lines and Varieties</i>												
02Y565	LSR	10010 (1)	10220 (1)	9590 (1)	10220 (4)	16.6 (24)	4.8 (26)	80 (12)	2 (4)	40 (25)		
05Y566	L	9790 (2)	9830 (3)	9410 (2)	10150 (6)	15.9 (27)	5.0 (8)	81 (16)	4 (8)	39 (11)		
05Y408	M	9680 (3)	9940 (2)	8770 (6)	10350 (2)	21.3 (2)	4.8 (25)	86 (31)	5 (10)	38 (5)		
05Y446	M	9610 (4)	9490 (5)	9090 (4)	10240 (3)	19.8 (13)	4.9 (24)	82 (25)	12 (16)	39 (13)		
05Y727	M	9530 (5)	9430 (7)	9230 (3)	9930 (9)	20.0 (10)	4.9 (15)	80 (13)	15 (18)	38 (7)		
05Y704	M	9370 (6)	9210 (9)	8760 (7)	10130 (7)	20.0 (9)	4.8 (28)	83 (28)	7 (12)	38 (6)		
05Y698	M	9350 (7)	8980 (13)	8450 (12)	10610 (1)	19.8 (12)	4.9 (10)	84 (29)	11 (14)	39 (15)		
05Y906	M	9270 (8)	9490 (4)	8520 (10)	9810 (12)	17.6 (20)	5.0 (6)	74 (4)	15 (18)	41 (30)		
05Y543	L	9240 (9)	9300 (8)	8930 (5)	9490 (15)	15.5 (28)	4.8 (28)	79 (9)	3 (5)	41 (29)		
05Y712	M	9160 (10)	9010 (12)	8380 (13)	10080 (8)	20.7 (5)	4.9 (17)	82 (26)	15 (20)	40 (19)		
05Y453	M	9150 (11)	8670 (18)	8560 (9)	10210 (5)	20.9 (4)	4.8 (31)	85 (30)	9 (13)	38 (2)		
05Y281	M	8990 (12)	8920 (15)	8690 (8)	9350 (17)	19.9 (11)	4.9 (10)	73 (2)	57 (28)	40 (24)		
05Y244	M	8960 (13)	8620 (19)	8350 (14)	9910 (11)	19.5 (15)	4.9 (10)	81 (17)	11 (15)	41 (27)		
05Y757	LBL	8880 (14)	9020 (11)	8300 (15)	9330 (18)	15.0 (30)	5.0 (6)	79 (10)	1 (1)	38 (4)		
05Y754	LSR	8880 (15)	8750 (17)	8470 (11)	9410 (16)	16.5 (25)	4.8 (27)	83 (27)	3 (6)	39 (10)		
05Y625	L	8730 (16)	9180 (10)	7800 (23)	9210 (19)	16.7 (23)	5.0 (2)	80 (14)	1 (3)	39 (8)		
04Y178	SPQ	8640 (17)	8940 (14)	8200 (16)	8790 (21)	18.3 (18)	4.9 (22)	77 (7)	44 (27)	38 (3)		
05Y900	M	8620 (18)	8330 (24)	8030 (18)	9490 (14)	17.2 (22)	5.0 (8)	74 (3)	16 (22)	39 (9)		
04Y314	MPQ	8600 (19)	8260 (25)	7830 (21)	9700 (13)	20.4 (6)	4.9 (17)	81 (18)	38 (26)	40 (21)		
04Y702	SSR	8580 (20)	9450 (6)	8130 (17)	8160 (27)	19.1 (17)	4.5 (32)	87 (32)	1 (1)	35 (1)		
05Y284	M	8490 (21)	8820 (16)	7980 (19)	8680 (23)	21.0 (3)	4.9 (10)	72 (1)	80 (30)	40 (19)		
03Y559	MPQ	8450 (22)	7960 (27)	7500 (26)	9910 (10)	20.3 (7)	4.8 (30)	81 (18)	16 (21)	39 (16)		
05Y334	SSR	8400 (23)	8460 (22)	7800 (22)	8930 (20)	16.4 (26)	4.9 (17)	79 (8)	18 (23)	40 (23)		
05Y1150	M	8370 (24)	8470 (21)	7860 (20)	8780 (22)	19.3 (16)	4.9 (15)	75 (6)	3 (7)	39 (12)		
05Y172	SPQ	8150 (25)	8490 (20)	7720 (24)	8260 (25)	20.2 (8)	4.9 (21)	82 (23)	91 (32)	40 (17)		
05Y357	SLA	7820 (26)	8030 (26)	7330 (27)	8090 (28)	17.3 (21)	4.9 (17)	82 (22)	74 (29)	39 (13)		
05Y192	SPQ	7770 (27)	8350 (23)	7560 (25)	7400 (30)	22.0 (1)	4.9 (23)	80 (11)	81 (31)	40 (18)		
05Y202	MPQ	7710 (28)	7700 (29)	7150 (30)	8280 (24)	19.7 (14)	5.0 (3)	80 (14)	14 (17)	41 (28)		
CT201	BAS	7430 (29)	7480 (30)	7230 (28)	7590 (29)	15.2 (29)	5.0 (5)	82 (24)	4 (9)	42 (32)		
05Y629	BAS	7340 (30)	7710 (28)	7180 (29)	7130 (31)	17.7 (19)	5.0 (3)	81 (20)	23 (25)	41 (31)		
04Y537	BAS	7300 (31)	6940 (31)	6800 (31)	8160 (26)	13.8 (32)	5.0 (1)	74 (5)	5 (11)	40 (26)		
CT202	BAS	6460 (32)	6740 (32)	6450 (32)	6190 (32)	14.4 (31)	4.9 (10)	82 (21)	21 (24)	40 (22)		
MEAN		8660	8690	8130	9120	17.7	4.9	79	25	39		
CV		6.0	6.8	4.8	4.4	3.8	3.1	1.9	55.8	3.2		
LSD (.05)		510	820	800	820	0.7	0.1	2	14	1		

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = 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 9. 2006 Early 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)
03Y496	LSR	10660 (1)	17.3 (4)	4.8 (11)	78 (9)	1 (2)	42 (19)
03Y151	REX	10100 (2)	15.5 (12)	4.8 (8)	80 (13)	1 (1)	38 (4)
L206	L	10040 (3)	13.6 (19)	4.7 (16)	71 (3)	36 (9)	37 (2)
04Y404	M	9870 (4)	17.2 (5)	4.4 (20)	82 (18)	35 (8)	39 (6)
S102	S	9740 (5)	13.5 (20)	4.9 (2)	71 (2)	95 (20)	40 (13)
M206	M	9560 (6)	16.6 (7)	4.9 (2)	70 (1)	58 (10)	42 (18)
04Y165	SPQ	9550 (7)	15.2 (13)	4.8 (8)	81 (17)	60 (12)	37 (1)
M207	M	9530 (8)	16.3 (8)	4.9 (4)	74 (6)	88 (17)	41 (16)
99Y529	L	9490 (9)	14.8 (15)	4.7 (18)	75 (7)	16 (5)	41 (14)
M208	M	9310 (10)	16.2 (9)	4.8 (8)	79 (10)	59 (11)	40 (12)
L205	REX	9280 (11)	13.6 (18)	4.8 (7)	79 (11)	14 (4)	37 (3)
04Y189	SPQ	9270 (12)	15.7 (11)	4.7 (16)	80 (13)	91 (18)	39 (5)
M205	M	9250 (13)	17.3 (3)	4.8 (13)	84 (20)	16 (5)	39 (7)
04Y308	MPQ	9130 (14)	17.6 (1)	4.9 (6)	78 (8)	29 (7)	39 (9)
M202	M	9000 (15)	17.2 (6)	4.9 (5)	81 (15)	71 (13)	40 (11)
01Y655	REX	8870 (16)	15.1 (14)	4.8 (13)	82 (19)	5 (3)	43 (20)
05Y300	MPQ	8850 (17)	17.5 (2)	4.7 (19)	81 (15)	80 (15)	41 (15)
03Y804	M	8750 (18)	15.7 (10)	4.8 (11)	72 (5)	73 (14)	41 (16)
CH201	SPQ	8650 (19)	14.0 (17)	5.0 (1)	80 (12)	83 (16)	39 (8)
CM101	WX	8590 (20)	14.6 (16)	4.8 (13)	72 (4)	93 (19)	39 (9)
MEAN		9370	15.7	4.8	77	50	40
CV		5.7	4.4	2.7	3	29.3	3.5
LSD (.05)		760	1	0.2	3	21	2

Preliminary Lines and Varieties

02Y565	LSR	10220 (1)	15.2 (19)	4.9 (8)	76 (11)	5 (5)	40 (23)
05Y408	M	9940 (2)	17.4 (2)	4.6 (30)	83 (32)	13 (11)	38 (4)
05Y566	L	9830 (3)	15.3 (17)	4.9 (13)	78 (20)	8 (9)	38 (7)
05Y906	M	9490 (4)	14.7 (24)	4.9 (5)	70 (4)	39 (20)	40 (28)
05Y446	M	9490 (5)	16.0 (15)	4.8 (25)	80 (26)	34 (19)	39 (12)
04Y702	SSR	9450 (6)	16.7 (6)	4.6 (30)	81 (30)	1 (1)	35 (1)
05Y727	M	9430 (7)	16.3 (12)	4.8 (19)	77 (12)	41 (23)	38 (8)
05Y543	L	9300 (8)	14.3 (26)	4.8 (25)	76 (10)	6 (6)	39 (18)
05Y704	M	9210 (9)	16.5 (10)	4.5 (32)	80 (28)	18 (14)	39 (14)
05Y625	L	9180 (10)	15.1 (21)	5.0 (2)	75 (8)	2 (3)	38 (8)
05Y757	LBL	9020 (11)	13.8 (29)	4.9 (9)	75 (8)	1 (1)	37 (2)
05Y712	M	9010 (12)	17.3 (3)	4.8 (22)	79 (25)	44 (25)	39 (14)
05Y698	M	8980 (13)	16.7 (8)	4.8 (15)	81 (29)	27 (16)	39 (13)
04Y178	SPQ	8940 (14)	15.1 (20)	4.8 (19)	75 (7)	80 (30)	38 (4)
05Y281	M	8920 (15)	16.3 (13)	4.8 (15)	69 (3)	68 (26)	39 (14)
05Y284	M	8820 (16)	16.2 (14)	4.8 (15)	69 (2)	78 (28)	40 (24)
05Y754	LSR	8750 (17)	14.9 (23)	4.7 (28)	78 (18)	7 (7)	37 (2)
05Y453	M	8670 (18)	16.8 (5)	4.8 (25)	82 (31)	24 (15)	38 (8)
05Y244	M	8620 (19)	16.6 (9)	4.8 (15)	79 (22)	31 (18)	40 (25)
05Y172	SPQ	8490 (20)	17.4 (1)	4.9 (9)	80 (27)	99 (31)	39 (19)
05Y1150	M	8470 (21)	15.1 (21)	4.8 (19)	71 (6)	8 (8)	38 (6)
05Y334	SSR	8460 (22)	14.3 (26)	4.9 (9)	78 (20)	43 (24)	40 (27)
05Y192	SPQ	8350 (23)	16.7 (6)	4.9 (9)	77 (12)	100 (32)	40 (26)
05Y900	M	8330 (24)	14.7 (24)	4.9 (13)	70 (5)	16 (13)	39 (11)
04Y314	MPQ	8260 (25)	16.5 (10)	4.8 (22)	77 (12)	68 (27)	40 (22)
05Y357	SLA	8030 (26)	13.8 (30)	4.8 (22)	79 (24)	79 (29)	39 (20)
03Y559	MPQ	7960 (27)	16.8 (4)	4.7 (28)	77 (17)	40 (21)	39 (14)
05Y629	BAS	7710 (28)	15.3 (17)	5.0 (3)	78 (18)	28 (17)	43 (31)
05Y202	MPQ	7700 (29)	15.9 (16)	5.0 (3)	77 (16)	15 (12)	40 (21)
CT201	BAS	7480 (30)	13.7 (31)	4.9 (5)	79 (22)	11 (10)	43 (32)
04Y537	BAS	6940 (31)	13.9 (28)	5.0 (1)	69 (1)	2 (4)	41 (30)
CT202	BAS	6740 (32)	13.4 (32)	4.9 (5)	77 (12)	40 (21)	41 (29)
MEAN		8690	15.6	4.8	76	33	39
CV		6.8	4.3	3	2.4	44.9	2.9
LSD (.05)		820	0.9	0.2	3	21	2

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = 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 10. 2006 Early Rice Variety Test - Butte County

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)
03Y496	LSR	9600 (1)	20.2 (11)	4.8 (18)	86 (19)	1 (1)	41 (16)
03Y151	REX	9270 (2)	18.5 (15)	4.6 (19)	85 (17)	1 (1)	39 (6)
04Y404	M	9230 (3)	23.7 (3)	4.6 (19)	82 (12)	1 (1)	39 (10)
01Y655	REX	9000 (4)	18.8 (14)	5.0 (10)	87 (20)	2 (7)	42 (20)
M205	M	8820 (5)	24.3 (1)	4.9 (14)	85 (16)	1 (1)	38 (2)
99Y529	L	8780 (6)	16.5 (19)	5.0 (10)	80 (9)	1 (1)	41 (16)
L206	L	8640 (7)	16.0 (20)	4.9 (16)	75 (4)	31 (15)	37 (1)
M208	M	8620 (8)	22.1 (7)	5.0 (1)	79 (7)	9 (11)	41 (18)
04Y165	SPQ	8490 (9)	19.6 (13)	4.8 (17)	83 (14)	6 (9)	38 (3)
S102	S	8430 (10)	18.2 (16)	5.0 (1)	72 (1)	66 (19)	40 (14)
04Y308	MPQ	8370 (11)	23.4 (5)	5.0 (10)	79 (7)	3 (8)	39 (8)
04Y189	SPQ	8240 (12)	20.2 (12)	5.0 (1)	82 (12)	28 (14)	38 (5)
M207	M	8230 (13)	21.2 (8)	5.0 (1)	76 (5)	33 (16)	39 (8)
03Y804	M	8150 (14)	21.0 (9)	5.0 (1)	73 (2)	21 (13)	40 (13)
L205	REX	8090 (15)	17.7 (18)	5.0 (1)	86 (18)	1 (1)	38 (4)
M206	M	8080 (16)	23.5 (4)	5.0 (1)	74 (3)	40 (17)	40 (15)
05Y300	MPQ	8000 (17)	22.8 (6)	4.9 (14)	82 (11)	19 (12)	39 (11)
M202	M	7970 (18)	24.2 (2)	5.0 (1)	81 (10)	6 (9)	42 (19)
CH201	SPQ	6930 (19)	18.1 (17)	5.0 (10)	83 (14)	64 (18)	39 (7)
CM101	WX	6380 (20)	20.5 (10)	5.0 (1)	78 (6)	98 (20)	40 (12)
MEAN		8370	20.5	4.9	80	22	39
CV		4.4	3.7	2.9	0.7	89.8	3
LSD (.05)		520	1.1	0.2	1	27	2

Preliminary Lines and Varieties

02Y565	LSR	9590 (1)	17.8 (23)	4.8 (29)	82 (19)	1 (1)	40 (20)
05Y566	L	9410 (2)	17.1 (26)	5.0 (1)	83 (21)	1 (1)	40 (22)
05Y727	M	9230 (3)	22.1 (6)	5.0 (1)	79 (9)	1 (1)	38 (11)
05Y446	M	9090 (4)	22.6 (4)	4.9 (27)	82 (15)	1 (1)	39 (12)
05Y543	L	8930 (5)	16.3 (28)	5.0 (25)	83 (21)	1 (1)	42 (31)
05Y408	M	8770 (6)	23.8 (1)	4.9 (26)	87 (31)	1 (1)	38 (8)
05Y704	M	8760 (7)	22.0 (7)	5.0 (1)	83 (21)	1 (1)	37 (4)
05Y281	M	8690 (8)	20.9 (13)	5.0 (1)	74 (3)	10 (28)	41 (28)
05Y453	M	8560 (9)	23.5 (2)	4.5 (31)	86 (30)	1 (1)	36 (2)
05Y906	M	8520 (10)	18.6 (19)	5.0 (1)	75 (4)	1 (1)	40 (27)
05Y754	LSR	8470 (11)	17.4 (25)	4.9 (27)	84 (27)	1 (1)	38 (8)
05Y698	M	8450 (12)	21.5 (11)	5.0 (1)	83 (21)	1 (1)	39 (14)
05Y712	M	8380 (13)	22.4 (5)	5.0 (1)	82 (15)	1 (1)	40 (22)
05Y244	M	8350 (14)	20.5 (15)	5.0 (1)	80 (11)	1 (1)	40 (26)
05Y757	LBL	8300 (15)	15.5 (30)	5.0 (1)	82 (15)	1 (1)	37 (4)
04Y178	SPQ	8200 (16)	19.2 (18)	5.0 (1)	78 (6)	3 (26)	37 (3)
04Y702	SSR	8130 (17)	20.5 (16)	4.4 (32)	91 (32)	1 (1)	34 (1)
05Y900	M	8030 (18)	18.5 (20)	5.0 (1)	74 (2)	1 (1)	39 (16)
05Y284	M	7980 (19)	22.6 (3)	5.0 (1)	72 (1)	65 (31)	39 (12)
05Y1150	M	7860 (20)	21.4 (12)	5.0 (1)	76 (5)	1 (1)	39 (16)
04Y314	MPQ	7830 (21)	21.5 (10)	5.0 (1)	81 (12)	1 (1)	38 (6)
05Y334	SSR	7800 (22)	16.9 (27)	5.0 (1)	79 (9)	3 (26)	39 (14)
05Y625	L	7800 (23)	18.0 (22)	5.0 (1)	82 (19)	1 (1)	38 (6)
05Y172	SPQ	7720 (24)	20.3 (17)	5.0 (1)	83 (21)	85 (32)	40 (24)
05Y192	SPQ	7560 (25)	21.9 (9)	5.0 (1)	81 (14)	55 (29)	41 (28)
03Y559	MPQ	7500 (26)	21.9 (8)	4.8 (29)	81 (12)	1 (1)	39 (16)
05Y357	SLA	7330 (27)	17.6 (24)	5.0 (1)	83 (21)	60 (30)	38 (8)
CT201	BAS	7230 (28)	15.8 (29)	5.0 (1)	82 (15)	1 (1)	42 (32)
05Y629	BAS	7180 (29)	18.4 (21)	5.0 (1)	85 (29)	1 (1)	40 (20)
05Y202	MPQ	7150 (30)	20.8 (14)	5.0 (1)	79 (8)	1 (1)	41 (28)
04Y537	BAS	6800 (31)	13.1 (32)	5.0 (1)	78 (6)	1 (1)	39 (19)
CT202	BAS	6450 (32)	14.2 (31)	5.0 (1)	84 (27)	1 (1)	40 (25)
MEAN		8130	19.5	4.9	81	10	39
CV		4.8	3.4	4.4	1.2	77.9	4.1
LSD (.05)		800	1.3	0.2	2	15	3

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = 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 11. 2006 Early Rice Variety Test - Colusa County

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)
99Y529	L	10830 (1)	16.5 (20)	4.9 (14)	78 (6)	1 (1)	42 (17)
M205	M	10720 (2)	22.6 (3)	4.9 (15)	89 (20)	2 (6)	39 (3)
04Y404	M	10160 (3)	22.1 (6)	4.6 (20)	86 (17)	6 (9)	40 (8)
03Y496	LSR	10010 (4)	18.8 (15)	4.8 (18)	84 (13)	1 (1)	42 (17)
M202	M	9970 (5)	23.3 (1)	5.0 (1)	85 (14)	6 (8)	40 (10)
04Y308	MPQ	9880 (6)	23.0 (2)	5.0 (9)	86 (16)	9 (10)	40 (9)
M208	M	9830 (7)	22.0 (7)	5.0 (1)	82 (9)	12 (11)	42 (20)
L206	L	9580 (8)	16.6 (19)	5.0 (9)	77 (4)	33 (14)	39 (3)
03Y151	REX	9500 (9)	18.6 (16)	4.9 (12)	82 (10)	1 (1)	39 (2)
M207	M	9430 (10)	21.7 (8)	5.0 (1)	79 (7)	79 (18)	42 (14)
01Y655	REX	9380 (11)	17.0 (17)	4.9 (15)	87 (18)	17 (12)	42 (16)
M206	M	9300 (12)	22.6 (4)	5.0 (1)	75 (3)	49 (17)	42 (13)
04Y165	SPQ	9100 (13)	21.3 (10)	5.0 (1)	81 (8)	2 (6)	36 (1)
S102	S	9060 (14)	20.5 (14)	5.0 (1)	72 (1)	99 (20)	42 (19)
05Y300	MPQ	9000 (15)	22.4 (5)	4.9 (12)	87 (18)	40 (15)	41 (11)
03Y804	M	8780 (16)	20.8 (13)	5.0 (1)	78 (5)	22 (13)	41 (12)
L205	REX	8660 (17)	17.0 (18)	4.9 (15)	83 (12)	1 (1)	40 (7)
04Y189	SPQ	8540 (18)	21.6 (9)	4.8 (19)	82 (11)	1 (1)	40 (6)
CH201	SPQ	8530 (19)	21.1 (11)	5.0 (1)	86 (15)	43 (16)	40 (5)
CM101	WX	7570 (20)	21.1 (12)	5.0 (9)	75 (2)	98 (19)	42 (15)
MEAN		9390	20.5	4.9	82	26	40
CV		5.2	3.3	2	0.9	63.4	3.4
LSD (.05)		690	1	0.1	1	23	2

Preliminary Lines and Varieties

05Y698	M	10610 (1)	21.4 (13)	5.0 (1)	89 (31)	6 (17)	40 (15)
05Y408	M	10350 (2)	22.7 (5)	5.0 (1)	88 (29)	1 (1)	39 (10)
05Y446	M	10240 (3)	20.9 (16)	5.0 (1)	86 (21)	1 (1)	40 (15)
02Y565	LSR	10220 (4)	16.8 (26)	4.8 (26)	82 (12)	1 (1)	41 (20)
05Y453	M	10210 (5)	22.5 (7)	5.0 (1)	88 (29)	1 (1)	39 (3)
05Y566	L	10150 (6)	15.5 (31)	5.0 (1)	81 (10)	3 (15)	39 (7)
05Y704	M	10130 (7)	21.3 (14)	4.8 (26)	87 (27)	1 (1)	39 (3)
05Y712	M	10080 (8)	22.4 (8)	5.0 (1)	87 (27)	1 (1)	41 (24)
05Y727	M	9930 (9)	21.5 (11)	5.0 (1)	85 (20)	3 (15)	39 (3)
03Y559	MPQ	9910 (10)	22.1 (10)	4.8 (26)	86 (21)	6 (17)	40 (17)
05Y244	M	9910 (11)	21.4 (12)	5.0 (1)	84 (17)	1 (1)	42 (27)
05Y906	M	9810 (12)	19.5 (20)	5.0 (21)	78 (5)	6 (17)	42 (29)
04Y314	MPQ	9700 (13)	23.2 (3)	5.0 (1)	86 (23)	45 (26)	42 (29)
05Y900	M	9490 (14)	18.5 (22)	5.0 (1)	78 (5)	30 (24)	39 (3)
05Y543	L	9490 (15)	15.9 (28)	4.6 (31)	79 (7)	1 (1)	42 (32)
05Y754	LSR	9410 (16)	17.2 (24)	4.8 (29)	86 (23)	1 (1)	41 (22)
05Y281	M	9350 (17)	22.6 (6)	5.0 (1)	75 (1)	95 (31)	40 (19)
05Y757	LBL	9330 (18)	15.8 (29)	5.0 (1)	81 (10)	1 (1)	39 (7)
05Y625	L	9210 (19)	17.0 (25)	5.0 (1)	84 (18)	1 (1)	39 (12)
05Y334	SSR	8930 (20)	18.2 (23)	4.9 (22)	79 (7)	8 (20)	41 (24)
04Y178	SPQ	8790 (21)	20.4 (17)	4.9 (24)	77 (4)	50 (27)	39 (12)
05Y1150	M	8780 (22)	21.3 (15)	5.0 (1)	79 (7)	1 (1)	40 (18)
05Y284	M	8680 (23)	24.0 (2)	5.0 (1)	75 (1)	97 (32)	41 (26)
05Y202	MPQ	8280 (24)	22.3 (9)	5.0 (1)	86 (23)	26 (23)	42 (27)
05Y172	SPQ	8260 (25)	22.9 (4)	4.9 (24)	82 (12)	90 (30)	39 (10)
04Y537	BAS	8160 (26)	14.4 (32)	5.0 (1)	75 (1)	13 (21)	41 (20)
04Y702	SSR	8160 (27)	20.2 (19)	4.4 (32)	89 (31)	1 (1)	36 (1)
05Y357	SLA	8090 (28)	20.4 (18)	5.0 (1)	83 (16)	85 (28)	40 (14)
CT201	BAS	7590 (29)	15.9 (27)	5.0 (1)	86 (23)	1 (1)	42 (29)
05Y192	SPQ	7400 (30)	27.5 (1)	4.8 (29)	82 (12)	90 (29)	38 (2)
05Y629	BAS	7130 (31)	19.5 (21)	5.0 (1)	82 (12)	40 (25)	41 (22)
CT202	BAS	6190 (32)	15.7 (30)	4.9 (22)	84 (18)	21 (22)	39 (7)
MEAN		9120	20	4.9	83	23	40
CV		4.4	3.4	1.6	1.2	65.8	2.9
LSD (.05)		820	1.4	0.2	2	30	2

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = 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 12. Grain Yield (lb/acre @ 14% moisture) Summary of Early Rice Varieties by Location and Year (2002-2006)

Location	Year	Calhikari				Calmati		
		201	M-202	M-204	M-205	M-206	201	L-205
Biggs (RES)	2002	8910	10620	10180	11230	10210	9040	10890
	2003	8310	8530	9280	9860	8320	7910	9290
	2004	8120	9500	9590	10270	9650	8500	9810
	2005	7740	7350	7560	7980	7890	6900	8760
	2006	8650	9000	-	9250	9560	7480	9280
Location Mean		8346	9000	9153	9718	9126	7966	9606
Butte	2002	8677	9333	9683	9913	9858	8086	9191
	2003	6828	8294	8907	9257	8808	6379	8283
	2004	8200	8990	8800	9490	8800	7380	8060
	2005	-	-	-	-	-	-	-
Glenn	2006	6930	7970	-	8820	8080	7230	8090
Location Mean		7659	8647	9130	9370	8887	7269	8406
Colusa	2002	8452	9247	9362	10136	9592	8065	9697
	2003	7762	9205	9383	10010	8389	7981	8713
	2004	9570	10330	10830	10750	10200	8440	10450
	2005	7580	8030	8840	9330	8160	7330	8570
	2006	8530	9970	-	10720	9300	7590	8660
Location Mean		8379	9356	9604	10189	9128	7881	9218
Yuba	2002	8609	9456	7866	8598	9948	7103	8431
	2003	8389	8305	8190	9027	8504	7186	7897
	2004	8240	9850	9050	9120	9960	6720	8510
	2005	7470	7100	7950	8150	7670	7110	7490
	2006	-	-	-	-	-	-	-
Location Mean		8177	8678	8264	8724	9020	7030	8082
Loc/Years Mean		8165	8949	9031	9551	9050	7579	8893
Yield % M-202		91.2	100	100.9	106.7	101.1	84.7	99.4
Number of Tests		18	18	15	18	18	18	18

Table 13. 2006 Intermediate/Late Rice Variety Tests - Three Location Summary

Advanced Lines and Varieties

Variety	Grain Type	Average Yield at 14% Moisture			Yield	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		Biggs	Glenn	Sutter						
04Y641	SSR	8740 (1)	9980 (2)	7330 (2)	8900 (4)	16.8 (7)	5.0 (5)	83 (9)	9 (5)	40 (11)
04Y706	L	8680 (2)	9500 (5)	6870 (8)	9680 (2)	14.9 (11)	4.8 (9)	82 (4)	7 (4)	39 (9)
03Y151	REX	8560 (3)	9640 (4)	6270 (14)	9770 (1)	15.2 (10)	4.9 (6)	83 (8)	4 (3)	38 (8)
99Y529	L	8530 (4)	9310 (7)	7100 (4)	9180 (3)	13.8 (13)	4.8 (10)	80 (3)	12 (6)	40 (14)
03Y576	SSR	8450 (5)	10130 (1)	6940 (7)	8290 (10)	19.4 (2)	4.5 (14)	86 (13)	3 (2)	36 (1)
05Y657	SSR	8440 (6)	9940 (3)	7080 (5)	8300 (9)	16.8 (6)	4.7 (12)	85 (11)	14 (7)	40 (13)
L206	L	8240 (7)	9210 (8)	6700 (12)	8810 (5)	13.9 (12)	4.9 (7)	77 (1)	47 (12)	37 (3)
04Y656	M	8190 (8)	9360 (6)	7130 (3)	8080 (11)	17.1 (4)	4.6 (13)	84 (10)	42 (11)	37 (5)
L205	REX	8150 (9)	8920 (9)	6780 (11)	8730 (6)	13.8 (14)	4.9 (8)	83 (6)	15 (8)	38 (7)
M205	M	8120 (10)	8830 (10)	7050 (6)	8490 (8)	17.0 (5)	4.8 (10)	85 (12)	31 (9)	37 (4)
05Y663	SPQ	8000 (11)	8540 (12)	6840 (9)	8610 (7)	15.2 (9)	5.0 (2)	82 (5)	37 (10)	37 (2)
M402	MPQ	7850 (12)	8280 (14)	7990 (1)	7290 (13)	22.4 (1)	5.0 (3)	102 (14)	3 (1)	40 (12)
M202	M	7730 (13)	8620 (11)	6820 (10)	7760 (12)	17.1 (3)	5.0 (4)	83 (7)	50 (13)	40 (10)
CH201	SPQ	7430 (14)	8420 (13)	6620 (13)	7240 (14)	15.8 (8)	5.0 (1)	78 (2)	64 (14)	38 (6)
MEAN		8220	9190	6970	8510	16.4	4.8	84	24	38
CV		6.9	6.8	6.6	7	5.8	3.2	5.4	60.4	7
LSD (.05)		460	890	660	850	0.8	0.1	4	12	2

Preliminary Lines and Varieties

99Y494	LW	8660 (1)	9450 (3)	7530 (5)	9000 (1)	13.0 (20)	5.0 (1)	86 (18)	2 (2)	37 (1)
01Y501	LSR	8650 (2)	9730 (2)	7280 (8)	8940 (2)	14.0 (16)	4.9 (9)	78 (4)	2 (1)	38 (7)
05Y343	SWX	8510 (3)	10110 (1)	7140 (10)	8290 (5)	17.6 (1)	4.7 (17)	83 (14)	46 (16)	39 (12)
04Y625	MPQ	8230 (4)	8170 (15)	7810 (2)	8720 (3)	16.6 (3)	4.8 (14)	87 (19)	27 (8)	40 (16)
05Y441	M	8170 (5)	9000 (7)	7560 (4)	7950 (9)	15.5 (13)	4.9 (12)	81 (10)	14 (4)	39 (11)
05Y758	LBL	8130 (6)	9090 (6)	6980 (13)	8320 (4)	13.7 (18)	4.8 (13)	83 (15)	2 (3)	37 (2)
05Y301	MPQ	8000 (7)	8590 (11)	7300 (7)	8120 (6)	17.0 (2)	4.9 (5)	85 (17)	57 (18)	38 (4)
05Y1274	L	7940 (8)	8720 (10)	7130 (11)	7990 (8)	13.6 (19)	4.9 (11)	78 (6)	26 (7)	38 (5)
05Y387	M	7920 (9)	9120 (5)	7400 (6)	7250 (15)	16.3 (6)	4.7 (19)	81 (11)	42 (13)	38 (6)
05Y450	M	7910 (10)	8850 (9)	7080 (12)	7810 (10)	15.9 (8)	4.8 (16)	84 (16)	19 (5)	37 (3)
05Y744	JAS	7880 (11)	7640 (18)	8260 (1)	7750 (11)	14.6 (15)	4.2 (20)	88 (20)	57 (17)	40 (19)
05Y386	M	7830 (12)	9250 (4)	7140 (9)	7110 (16)	16.4 (5)	4.8 (15)	82 (12)	45 (14)	38 (8)
05Y949	M	7830 (13)	8480 (13)	7570 (3)	7440 (14)	16.0 (7)	4.9 (5)	81 (9)	38 (11)	39 (15)
05Y714	M	7700 (14)	8900 (8)	6740 (14)	7450 (13)	15.9 (10)	5.0 (2)	79 (7)	41 (12)	40 (16)
05Y913	M	7660 (15)	8580 (12)	6320 (17)	8070 (7)	15.8 (11)	4.9 (8)	75 (1)	59 (20)	39 (10)
05Y1000	M	7350 (16)	8000 (16)	6500 (15)	7550 (12)	15.6 (12)	4.9 (10)	79 (8)	22 (6)	38 (9)
05Y979	M	6850 (17)	8270 (14)	5210 (20)	7060 (17)	15.9 (9)	4.9 (5)	77 (3)	45 (15)	40 (18)
05Y226	M	6740 (18)	7790 (17)	5420 (19)	7000 (18)	16.5 (4)	4.7 (18)	75 (2)	31 (10)	39 (13)
CT201	BAS	6730 (19)	7140 (19)	6350 (16)	6700 (19)	14.0 (17)	5.0 (2)	82 (13)	28 (9)	41 (20)
CT202	BAS	6260 (20)	6480 (20)	6060 (18)	6250 (20)	14.8 (14)	4.9 (4)	78 (5)	59 (19)	39 (14)
MEAN		7950	8570	6940	7740	15.7	4.8	81	38	39
CV		6.6	6.5	7.4	5.8	5.7	3.4	3.4	44.1	3.6
LSD (.05)		520	790	1070	940	0.9	0.2	3	17	1

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; SR = stem rot resistant; JAS = 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 14. 2006 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)
03Y576	SSR	10130 (1)	18.4 (2)	4.2 (14)	76 (2)	8 (3)	32 (1)
04Y641	SSR	9980 (2)	17.0 (3)	4.9 (5)	83 (7)	24 (5)	39 (9)
05Y657	SSR	9940 (3)	16.8 (5)	4.5 (13)	84 (12)	39 (8)	41 (14)
03Y151	REX	9640 (4)	15.5 (9)	4.8 (8)	84 (11)	8 (2)	38 (3)
04Y706	L	9500 (5)	15.6 (8)	4.8 (7)	82 (6)	18 (4)	40 (11)
04Y656	M	9360 (6)	16.8 (6)	4.8 (8)	84 (9)	65 (11)	38 (5)
99Y529	L	9310 (7)	14.5 (12)	4.7 (10)	79 (3)	25 (6)	40 (12)
L206	L	9210 (8)	15.0 (11)	4.7 (10)	73 (1)	80 (12)	38 (3)
L205	REX	8920 (9)	14.1 (14)	4.8 (6)	82 (5)	25 (6)	38 (6)
M205	M	8830 (10)	17.0 (4)	4.7 (12)	87 (13)	53 (9)	38 (7)
M202	M	8620 (11)	16.8 (6)	4.9 (3)	83 (8)	84 (13)	40 (12)
05Y663	SPQ	8540 (12)	15.0 (10)	4.9 (3)	84 (9)	59 (10)	37 (2)
CH201	SPQ	8420 (13)	14.4 (13)	5.0 (1)	80 (4)	90 (14)	39 (8)
M402	MPQ	8280 (14)	23.1 (1)	5.0 (2)	103 (14)	3 (1)	40 (10)
MEAN		9190	16.4	4.8	83	42	38
CV		6.8	5.6	3.3	9.1	42.1	10.7
LSD (.05)		890	1.3	0.2	11	25	

Preliminary Lines and Varieties

05Y343	SWX	10110 (1)	17.8 (2)	4.8 (15)	85 (17)	76 (16)	41 (16)
01Y501	LSR	9730 (2)	16.1 (13)	4.9 (8)	77 (4)	3 (1)	40 (9)
99Y494	LW	9450 (3)	14.8 (18)	5.0 (1)	91 (19)	4 (2)	38 (5)
05Y386	M	9250 (4)	17.1 (6)	4.8 (11)	81 (10)	68 (12)	40 (10)
05Y387	M	9120 (5)	17.3 (4)	4.7 (16)	82 (11)	78 (17)	40 (6)
05Y758	LBL	9090 (6)	15.7 (16)	4.7 (19)	84 (14)	5 (3)	38 (2)
05Y441	M	9000 (7)	16.5 (11)	4.9 (8)	82 (12)	40 (4)	41 (14)
05Y714	M	8900 (8)	16.4 (12)	4.9 (4)	79 (6)	74 (14)	41 (11)
05Y450	M	8850 (9)	16.7 (10)	4.8 (12)	84 (14)	51 (9)	37 (1)
05Y1274	L	8720 (10)	14.0 (20)	4.8 (12)	77 (5)	41 (5)	38 (2)
05Y301	MPQ	8590 (11)	18.0 (1)	4.8 (12)	85 (16)	81 (18)	38 (4)
05Y913	M	8580 (12)	15.7 (15)	5.0 (1)	71 (1)	91 (20)	41 (17)
05Y949	M	8480 (13)	16.8 (7)	4.9 (8)	80 (7)	70 (13)	42 (19)
05Y979	M	8270 (14)	16.8 (7)	5.0 (3)	74 (3)	74 (14)	42 (20)
04Y625	MPQ	8170 (15)	17.6 (3)	4.7 (18)	88 (18)	56 (11)	41 (14)
05Y1000	M	8000 (16)	16.1 (14)	4.9 (4)	80 (9)	49 (8)	40 (8)
05Y226	M	7790 (17)	16.7 (9)	4.7 (16)	73 (2)	48 (7)	41 (13)
05Y744	JAS	7640 (18)	17.1 (5)	4.2 (20)	93 (20)	45 (6)	41 (12)
CT201	BAS	7140 (19)	15.4 (17)	4.9 (4)	83 (13)	53 (10)	41 (18)
CT202	BAS	6480 (20)	14.5 (19)	4.9 (4)	80 (7)	85 (19)	40 (7)
MEAN		8570	16.3	4.8	81	55	40
CV		6.5	5.7	3.2	4.2	31	3.8
LSD (.05)		790	1.3	0.2	5	24	2

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = 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 15. 2006 Intermediate/Late Rice Variety Test - Glenn County

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)
M402	MPQ	7990 (1)	17.6 (1)	5.0 (6)	99 (14)	1 (1)	41 (14)
04Y641	SSR	7330 (2)	15.7 (5)	5.0 (1)	85 (9)	1 (1)	40 (12)
04Y656	M	7130 (3)	15.5 (7)	4.9 (7)	86 (11)	2 (11)	38 (5)
99Y529	L	7100 (4)	13.8 (11)	4.9 (10)	81 (5)	1 (1)	41 (13)
05Y657	SSR	7080 (5)	16.3 (3)	4.7 (13)	86 (10)	1 (1)	39 (11)
M205	M	7050 (6)	15.7 (4)	4.9 (7)	86 (11)	1 (1)	38 (9)
03Y576	SSR	6940 (7)	17.3 (2)	4.4 (14)	89 (13)	1 (1)	35 (2)
04Y706	L	6870 (8)	14.4 (10)	4.8 (12)	80 (4)	1 (1)	38 (6)
05Y663	SPQ	6840 (9)	13.7 (12)	5.0 (1)	78 (1)	11 (14)	35 (1)
M202	M	6820 (10)	15.5 (6)	5.0 (1)	85 (8)	1 (1)	39 (10)
L205	LREX	6780 (11)	13.3 (14)	4.9 (11)	83 (7)	1 (1)	38 (6)
L206	L	6700 (12)	13.5 (13)	4.9 (7)	78 (1)	2 (11)	37 (4)
CH201	SPQ	6620 (13)	14.8 (9)	5.0 (1)	78 (3)	9 (13)	36 (3)
03Y151	LREX	6270 (14)	15.5 (8)	5.0 (1)	83 (6)	1 (1)	38 (8)
MEAN		6970	15.2	4.9	84	2	38
CV		6.6	5	3.6	1.4	158.8	4.1
LSD (.05)		660	1.1	0.3	2	5	2

Preliminary Lines and Varieties

05Y744	JAS	8260 (1)	11.3 (19)	4.0 (20)	87 (19)	75 (20)	42 (20)
04Y625	MPQ	7810 (2)	14.5 (9)	5.0 (6)	88 (20)	1 (1)	40 (15)
05Y949	M	7570 (3)	14.8 (3)	5.0 (1)	83 (15)	1 (1)	40 (16)
05Y441	M	7560 (4)	14.5 (7)	4.9 (9)	83 (11)	1 (1)	39 (11)
99Y494	LWX	7530 (5)	11.1 (20)	5.0 (1)	83 (11)	1 (1)	37 (2)
05Y387	M	7400 (6)	14.5 (8)	4.7 (15)	83 (11)	1 (1)	38 (6)
05Y301	MPQ	7300 (7)	14.3 (12)	5.0 (6)	87 (17)	11 (18)	38 (8)
01Y501	LSR	7280 (8)	11.9 (15)	4.9 (9)	79 (3)	1 (1)	38 (5)
05Y386	M	7140 (9)	14.4 (10)	4.7 (15)	85 (16)	1 (1)	38 (7)
05Y343	SWX	7140 (10)	14.9 (2)	4.7 (15)	81 (9)	6 (17)	37 (2)
05Y1274	L	7130 (11)	12.4 (14)	4.9 (9)	80 (6)	1 (1)	37 (1)
05Y450	M	7080 (12)	14.7 (4)	4.5 (19)	87 (17)	1 (1)	38 (8)
05Y758	LBL	6980 (13)	11.9 (16)	4.9 (9)	82 (10)	1 (1)	38 (8)
05Y714	M	6740 (14)	14.3 (11)	5.0 (1)	80 (6)	3 (16)	41 (18)
05Y1000	M	6500 (15)	14.2 (13)	4.8 (13)	80 (6)	1 (1)	39 (12)
CT201	BAS	6350 (16)	11.4 (18)	5.0 (1)	83 (11)	1 (1)	41 (19)
05Y913	M	6320 (17)	14.7 (5)	4.8 (14)	78 (1)	1 (1)	37 (4)
CT202	BAS	6060 (18)	11.8 (17)	5.0 (6)	79 (3)	11 (18)	39 (14)
05Y226	M	5420 (19)	15.1 (1)	4.7 (15)	78 (2)	1 (1)	40 (16)
05Y979	M	5210 (20)	14.6 (6)	5.0 (1)	80 (5)	1 (1)	39 (12)
MEAN		6940	13.6	4.8	82	6	39
CV		7.4	3.2	4.5	0.8	112.3	3.2
LSD (.05)		1070	0.9	0.5	1	14	3

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; SR = stem rot resistant; JAS= 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. 2006 Intermediate/Late Rice Variety Test - Sutter County

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)
03Y151	REX	9770 (1)	14.5 (11)	5.0 (7)	83 (8)	4 (5)	38 (6)
04Y706	L	9680 (2)	14.8 (10)	5.0 (1)	83 (5)	1 (1)	40 (11)
99Y529	L	9180 (3)	13.1 (14)	4.8 (13)	80 (3)	9 (7)	40 (14)
04Y641	SSR	8900 (4)	17.6 (7)	5.0 (1)	83 (5)	1 (1)	40 (13)
L206	L	8810 (5)	13.2 (13)	5.0 (1)	79 (2)	59 (12)	36 (2)
L205	REX	8730 (6)	14.1 (12)	4.9 (9)	83 (8)	20 (8)	38 (5)
05Y663	SPQ	8610 (7)	16.9 (9)	5.0 (1)	84 (11)	41 (10)	38 (4)
M205	M	8490 (8)	18.4 (5)	4.8 (12)	83 (5)	39 (9)	36 (1)
05Y657	SSR	8300 (9)	17.3 (8)	4.9 (11)	85 (12)	1 (1)	40 (10)
03Y576	SSR	8290 (10)	22.5 (2)	4.9 (10)	92 (13)	1 (1)	40 (11)
04Y656	M	8080 (11)	18.9 (4)	4.2 (14)	83 (10)	58 (11)	37 (3)
M202	M	7760 (12)	18.9 (3)	5.0 (7)	81 (4)	64 (13)	39 (7)
M402	MPQ	7290 (13)	26.6 (1)	5.0 (1)	105 (14)	6 (6)	40 (9)
CH201	SPQ	7240 (14)	18.3 (6)	5.0 (1)	76 (1)	95 (14)	39 (8)
MEAN		8510	17.5	4.9	84	28	39
CV		7	6.5	2.8	1.4	62.5	3.7
LSD (.05)		850	1.6	0.2	2	25	2

Preliminary Lines and Varieties

99Y494	LWX	9000 (1)	13.1 (20)	5.0 (1)	84 (18)	1 (1)	36 (4)
01Y501	LSR	8940 (2)	14.0 (18)	5.0 (1)	79 (8)	1 (1)	36 (5)
04Y625	MPQ	8720 (3)	17.7 (4)	4.8 (15)	85 (20)	25 (7)	38 (16)
05Y758	LBL	8320 (4)	13.7 (19)	5.0 (1)	83 (16)	1 (1)	35 (1)
05Y343	SWX	8290 (5)	20.1 (1)	4.8 (17)	82 (15)	55 (15)	39 (17)
05Y301	MPQ	8120 (6)	18.6 (2)	5.0 (1)	83 (16)	80 (18)	37 (9)
05Y913	M	8070 (7)	17.2 (7)	5.0 (1)	75 (1)	85 (20)	37 (12)
05Y1274	L	7990 (8)	14.4 (17)	5.0 (1)	78 (7)	35 (9)	39 (18)
05Y441	M	7950 (9)	15.6 (14)	4.9 (14)	79 (8)	1 (1)	37 (9)
05Y450	M	7810 (10)	16.4 (11)	5.0 (1)	81 (13)	6 (5)	37 (9)
05Y744	JAS	7750 (11)	15.3 (15)	4.6 (20)	84 (19)	50 (14)	38 (14)
05Y1000	M	7550 (12)	16.5 (10)	5.0 (1)	77 (4)	18 (6)	36 (5)
05Y714	M	7450 (13)	17.0 (9)	5.0 (1)	77 (4)	45 (11)	38 (14)
05Y949	M	7440 (14)	16.4 (13)	4.9 (13)	79 (10)	43 (10)	37 (7)
05Y387	M	7250 (15)	17.1 (8)	4.6 (19)	79 (10)	48 (13)	37 (7)
05Y386	M	7110 (16)	17.6 (5)	5.0 (12)	79 (10)	65 (17)	36 (3)
05Y979	M	7060 (17)	16.4 (12)	4.8 (15)	77 (4)	60 (16)	38 (13)
05Y226	M	7000 (18)	17.6 (6)	4.8 (17)	75 (1)	45 (11)	36 (2)
CT201	BAS	6700 (19)	15.0 (16)	5.0 (1)	82 (14)	31 (8)	39 (18)
CT202	BAS	6250 (20)	18.2 (3)	5.0 (1)	76 (3)	80 (18)	39 (18)
MEAN		7740	16.4	4.9	80	39	37
CV		5.8	6.7	2.4	1.6	60	3.1
LSD (.05)		940	2.3	0.3	3	48	2

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; SR = stem rot resistant; JAS= 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. Grain Yield (lb/acre @14% moisture) Summary of Intermediate/
Late Rice Varieties by Location and Year (2002-2006)

Location	Year	M-205	M-402	M-202	L-205
Biggs (RES)	2002	11600	10800	9970	11330
	2003	10180	8130	8650	10580
	2004	10180	9310	9480	10150
	2005	9110	8570	8610	9110
	2006	8830	8280	8620	8920
Location Mean		9980	9018	9066	10018
Glenn	2002	9247	9257	8368	7782
	2003	8483	7887	6862	7500
	2004	10210	9860	9040	9140
	2005	8190	9040	8430	7510
	2006	7050	7990	6820	6780
Location Mean		8636	8807	7904	7742
Sutter	2002	10115	8692	10743	8933
	2003	11151	9613	10356	9310
	2004	10850	9430	11140	10970
	2005	10040	7530	9500	9560
	2006	8490	7290	7760	8730
Location Mean		10129	8511	9900	9501
Loc/Years Mean		9582	8779	8957	9087
Yield % M-202		107.0	98.0	100	101.5
Number of Tests		15	15	15	15