



# AGRONOMY PROGRESS REPORT

Agricultural Experiment Station

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## CALIFORNIA RICE VARIETIES

### DESCRIPTION AND PERFORMANCE SUMMARY OF THE 2005 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 2005. 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 resulted in a total of 526,000 harvested acres, a 14% reduction compared to the 2004 season. Average yield per acre was 73 cwt/acre, a 15% decrease from 2004. Thirteen days of 100-degree weather in July (Table 2) accelerated heading by 2-7 days causing elongated stem growth and weakened straw, resulting in increased lodging, and reduced yields. Harvest conditions were optimal, allowing the bulk of the late-planted rice to be harvested prior to the onset of rain in November.

### 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 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 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

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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.** Eight advanced breeding lines and ten commercial varieties were evaluated in Advanced Tests at each of the following locations.

	Date Planted
• Butte County (RES)	5/25,5/26 (Reps 1&2, 3&4 respectively)
• San Joaquin County (Brumley)	5/09
• Sutter County (Lauppe)	5/11
• Yolo County (Erdman)	5/16

Commercial varieties included Calmochi-101, S-102, M-103, M-104, M-202, M-206, L-204, and L-205. Thirty-two experimental lines were evaluated in the Preliminary Tests at each location. Advanced and preliminary experimental lines at each location were entries from the RES breeding program.

**Early Maturity Group.** Eleven advanced lines and ten commercial varieties were evaluated in Advanced Tests at each of the following locations.

	Date Planted
• Butte County (RES)	5/25,5/26 (Reps 1&2, 3&4 respectively)
• Butte County (Rystrom)	6/04
• Colusa County (Dennis)	5/05
• Yuba County (Quad-4)	5/20

Commercial varieties included Calmochi-101 Calhkari-201, S-102, M-202, M-204, M-205, M-207, Calmati-201, L-204, and L-205. Thirty preliminary lines were included in separate tests at each site. All advanced and preliminary experimental lines were entries from the RES breeding program.

**Late Maturity Group.** Six commercial varieties and eight advanced lines were evaluated in Advanced Tests at the following locations.

	Date Planted
• Butte County (RES)	5/25,5/26 (Reps 1&2, 3&4 respectively)
• Glenn County (Wiley)	5/04
• Sutter County (Akin)	5/17

Commercial varieties included Calhkari-201, M-202, M-205, M-402, Calmati-201 and L-205. Twenty experimental lines were also included in separate tests 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 ft<sup>2</sup> (0.0033acre) and 150 ft<sup>2</sup> (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)*

Agronomic performance data for individual entries at each Very Early location are presented in Tables 3 through 6. A four-location combined yield summary is given in Table 7. Entries are ranked by grain yield with the highest yielding entry appearing first. A yield summary of Very Early rice varieties by location and year (2001-2005) is found in Table 8.

Grain yields in the advanced tests averaged 7980 lbs/acre at the RES, 9330 at Yolo, 7410 at Sutter, and 7650 at San Joaquin. Over the four locations, the highest yielding commercial variety was S-102 at 8690 lbs/acre (Table 7). Entry 99Y041, an advanced long grain, was the highest yielding entry at Yolo and overall in the four location yield summary.

Only the advanced line 99Y041, at Yolo, produced yields significantly higher than S-102. CM-101, S-102, and 99Y041 yielded highest (first, second and third, respectively) at the cooler San Joaquin trial location. M-104 produced significantly higher yields than M-103 at the Sutter and San Joaquin sites.

Table 8 shows over-year and over-location yields for the very early commercial varieties compared with leading early varieties in the same tests. Common year-location entries are compared to give relative yield as a percentage of M-103, the very early standard. An average of the very early tests, over the last 5 years, shows that M-104, M-202, M-206, Calmochi-101, S-102, L-204, and L-205 yielded 103%, 101%, 106%, 101%, 110%, 102%, and 102% (respectively) of the standard variety M-103.

### **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 12. A three location combined yield summary is given in Table 13. The Butte

site is not included in the Table 13 summary due to severe bird damage. Entries are ranked by grain yield with the highest yielding entry appearing first.

Yields in the advanced tests averaged 7780 lb/acre at the RES, 8350 lb/acre at Butte, 8070 lb/acre at Colusa and 7550 lb/acre at Yuba. The medium-grain variety, M-205, averaged 8150 lb/acre at Yuba, 9330 lb/acre at Colusa, and was tied for the highest yielding entry, 8490 lb/acre, over the three locations (Table 13). Other leading advanced cultivars were long-grain Rex type 01Y655 and the long-grain 99Y529 (tied for first and third, respectively). Commercial varieties L-205, M-204, and M-206 ranked fifth, seventh, and eighth in over-location yield average. Of the preliminary lines, long-grain entries 03Y496, 01Y502, and 03Y151 were ranked first, second, and third, respectively.

Table 14 shows the over-year and over-location yields for the commercial varieties. Common year-location entries are compared to give relative yield as a percentage of M-202, the early standard. Cahikari-201 yielded 92%, M-204 102%, M-205 106%, M-206 102%, Calmati-201 84%, and L-205 100% 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 15 through 17. A three location combined yield summary is given in Table 18. Entries are ranked by grain yield with the highest yielding entry appearing first.

Average yields in the advanced Intermediate-Late tests were 9170 lb/acre at the RES, 7960 lb/acre at Glenn, and 9100 lb/acre at Sutter. The medium-grain cultivar M-205 was the highest yielding entry at Sutter and not significantly different than the leading entry at either of the other two locations (Table 18). Climatic conditions mentioned earlier resulted in reduced yields for the medium-grain premium quality entry M-402, ranking eleventh at RES and fourteenth at Sutter and twelfth overall. However, M-402 yielded highest, 9040 lb/acre, in the Westside test at Glenn. In the preliminary tests, medium-grain 04Y404 yielded highest overall (9330 lb/acre), with yields of 9980, 7560, and 10460 lb/acre at the RES, Glenn, and Sutter sites, respectively.

Table 19 compares intermediate-late maturing commercial cultivars in over-location and over-years tests. Using M-202 as the standard for comparison, M-205, M-402, and L-205 yielded 107%, 98% and 99%, respectively, of M-202 over the last five years.

### **ACKNOWLEDGEMENTS**

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Table 1. Characteristics Of Public California Rice Varieties - 2005

CHARACTERISTICS OF PUBLIC CALIFORNIA RICE VARIETIES - 2005						
Grain Type	Maturity	Year Seed Widely Available	Stem Rot Score <sup>1</sup>	Seedling Vigor <sup>2</sup>	Comments	
<b>Short Grain</b>						
<b>S-102</b>	Very Early <sup>3</sup>	1998	5.6	4.3	Very high yield potential. Good resistance to blanking with a very large grain. Rough leaves and hulls, grain dries down rapidly during ripening. Susceptible to stem rot.	
<b>Medium Grains</b>						
<b>M-103</b>	Very Early <sup>3</sup>	1990	5.3	3.9	Very early medium grain, vigor less than M-202. Excellent resistance to blanking. Very good head and total milled rice yields. Moderate lodging and good yield potential.	
<b>M-104</b>	Very Early <sup>3</sup>	2002	5.4	4.4	Replacement for M-103 in San Joaquin Valley and as an alternative to M-202 in other cool rice areas. Improved seedling vigor, lodging resistance, and yield compared to M-103. Milling yields similar to M-103. Heads 8 to 10 days earlier than M-202. Early planting in warm areas could limit yield and quality.	
<b>M-202</b>	Early	1987	5.5	4.4	Very high yield potential. Moderate lodging potential. Long time favorite variety that threshes easily.	
<b>M-204</b>	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. <b>Not recommended</b> for Escalon, Natomas or other cool areas.	
<b>M-205</b>	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. <b>Not recommended</b> for Escalon, Natomas or other cool areas.	
<b>M-206</b>	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.	
<b>Long Grains</b>						
<b>L-204</b>	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.	
<b>L-205</b>	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.	
<b>Premium Quality</b>						
<b>M-401</b>	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.	
<b>M-402</b>	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.	
<b>Calhikari-201</b>	Early	2001	6.0	4.4	<i>Premium quality</i> short grain developed for the Japanese premium short-grain market. Has very good seedling vigor. A semidwarf with much greater yield potential and resistance to lodging than Japanese varieties. Rough leaves and hulls. Cold delays maturity and increases blanking. Use low nitrogen to maximize market quality.	
<b>Specialty Rices</b>						
<b>Calmochi-101</b>	Very Early <sup>3,4</sup>	1987	5.3	4.2	Glutinous (sweet, waxy) rice. Excellent blanking resistance. Has rough leaves and hulls, no awns. Grain dries down rapidly during ripening.	
<b>A-201</b>	Early <sup>4</sup>	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.	
<b>Calmati-201</b>	Early <sup>4</sup>	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. 2005 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)		San Joaquin (Escalon)			Glenn (Willows)		Colusa (colusa)		Yolo (zamorra)		Butte (Durham)		Yuba (Yuba City)		Sutter (Nicolas)		San Joaquin (Escalon)	
	imax	imin	imax	imin	imax	imin	imax	imin	imax	imin	imax	imin	imax	imin		imax	imin	imax	imin	imax	imin	imax	imin	imax	imin	imax	imin	imax	imin
Apr 01	70	47	69	46	71	46	70	47	72	47	69	42	71	45	Jun 01	87	62	86	65	88	66	84	63	88	56	87	56	86	60
Apr 02	73	51	73	47	75	50	76	49	76	49	74	47	74	46	Jun 02	90	61	86	63	87	64	84	62	86	58	85	56	85	57
Apr 03	78	42	79	43	80	49	80	45	79	47	78	45	81	43	Jun 03	91	54	89	57	89	58	89	56	91	62	89	54	87	56
Apr 04	72	45	72	49	71	48	73	49	73	48	69	46	74	43	Jun 04	86	52	89	52	91	52	87	54	88	57	89	55	87	53
Apr 05	67	45	66	45	68	45	66	42	68	46	66	44	69	47	Jun 05	88	47	78	50	79	51	77	54	78	54	77	53	76	52
Apr 06	74	38	71	41	70	42	71	38	72	44	70	41	68	38	Jun 06	72	43	74	45	73	46	72	48	76	52	76	47	73	46
Apr 07	84	40	81	40	83	46	83	41	83	43	83	39	76	41	Jun 07	72	43	74	43	77	43	71	42	76	46	75	44	77	49
Apr 08	85	45	82	43	83	48	82	44	82	43	81	46	81	43	Jun 08	76	53	64	55	70	55	63	53	64	52	65	54	71	54
Apr 09	85	42	86	45	89	51	86	45	89	52	85	44	83	47	Jun 09	85	57	79	58	78	58	75	59	74	53	77	59	77	57
Apr 10	83	57	86	42	89	51	85	48	89	53	86	43	87	45	Jun 10	85	57	87	56	88	54	84	55	87	56	86	56	85	53
Apr 11	83	44	84	41	87	54	85	49	86	53	80	39	83	46	Jun 11	88	53	87	56	88	55	86	57	88	58	87	57	85	56
Apr 12	80	44	78	48	78	49	79	45	86	51	75	47	79	49	Jun 12	96	59	89	55	89	59	88	58	90	62	88	54	88	53
Apr 13	74	42	69	46	72	47	70	48	85	50	70	45	70	49	Jun 13	96	55	95	63	95	62	93	59	93	60	93	55	94	54
Apr 14	70	44	67	48	69	50	67	51	83	48	67	47	70	43	Jun 14	92	59	94	59	95	56	88	57	94	61	91	61	91	59
Apr 15	67	41	65	38	66	47	66	39	80	47	64	42	63	50	Jun 15	88	50	89	54	91	52	84	57	88	57	87	54	88	52
Apr 16	63	37	66	41	68	43	66	38	69	42	65	38	67	43	Jun 16	71	50	63	53	63	53	65	53	65	54	65	55	71	54
Apr 17	61	41	63	38	65	45	63	40	69	42	65	44	66	43	Jun 17	71	46	71	52	71	50	67	54	69	51	71	52	71	54
Apr 18	57	40	58	43	58	43	58	45	68	45	58	41	63	37	Jun 18	78	51	72	50	74	51	72	55	75	53	74	54	75	48
Apr 19	59	48	61	48	59	50	61	50	69	45	63	49	68	47	Jun 19	83	47	80	50	81	46	77	51	80	51	79	51	80	52
Apr 20	68	48	65	53	67	51	61	53	63	51	64	52	70	53	Jun 20	84	48	84	53	80	47	82	53	85	53	83	53	84	52
Apr 21	74	42	72	49	73	54	73	52	74	51	70	48	71	46	Jun 21	85	50	85	56	85	49	82	59	84	55	84	55	82	55
Apr 22	77	47	77	47	77	50	76	45	77	47	76	43	77	45	Jun 22	89	52	87	56	86	47	84	55	88	54	87	53	87	52
Apr 23	84	46	83	49	83	55	83	45	83	52	82	44	82	42	Jun 23	89	54	89	54	85	52	87	53	90	55	88	56	88	53
Apr 24	87	54	86	47	86	55	85	50	88	52	85	44	86	46	Jun 24	86	56	86	56	85	53	83	57	85	55	81	56	86	56
Apr 25	92	53	92	47	91	55	90	49	91	55	91	47	92	51	Jun 25	83	56	87	57	87	52	83	59	84	55	80	56	83	56
Apr 26	97	54	97	51	96	61	95	53	96	62	92	53	94	54	Jun 26	84	53	84	55	85	51	82	55	89	53	81	55	86	55
Apr 27	94	54	94	51	96	59	91	53	97	62	92	53	93	53	Jun 27	86	55	82	55	83	50	80	56	82	55	80	56	82	55
Apr 28	81	53	80	51	83	55	80	52	84	58	81	51	84	49	Jun 28	98	55	87	56	86	53	84	56	82	55	85	57	85	56
Apr 29	81	56	81	50	81	56	80	51	82	55	79	49	81	52	Jun 29	100	60	98	57	93	54	94	57	96	61	94	60	95	56
Apr 30	90	49	86	43	85	54	86	47	88	53	84	44	84	44	Jun 30	99	62	100	61	98	58	94	62	100	67	97	65	100	60
May 01	90	49	89	49	89	55	87	48	90	55	90	52	89	49	Jul 01	99	65	99	67	99	58	96	67	104	69	97	65	99	61
May 02	93	51	92	53	95	61	94	54	96	59	93	52	94	53	Jul 02	98	65	97	63	96	56	93	64	99	67	92	60	95	60
May 03	93	57	93	55	94	54	92	55	97	63	92	53	95	53	Jul 03	98	68	95	60	92	53	90	63	95	62	94	58	94	62
May 04	93	53	90	59	90	60	88	59	83	59	85	56	89	56	Jul 04	99	63	99	62	97	58	94	62	102	62	97	60	93	58
May 05	82	48	83	52	82	51	80	54	89	53	77	51	82	50	Jul 05	98	63	95	63	96	58	91	64	98	66	90	61	90	61
May 06	80	41	79	52	80	52	78	53	82	54	77	52	85	50	Jul 06	97	61	97	61	96	58	92	62	98	63	92	60	92	60
May 07	76	47	76	52	77	53	75	54	78	52	75	51	80	51	Jul 07	91	63	91	63	90	58	89	65	95	65	88	61	90	61
May 08	75	53	76	50	79	56	75	55	80	54	76	53	76	50	Jul 08	85	58	87	58	88	54	86	59	88	59	85	56	84	58
May 09	80	54	81	46	83	54	80	47	84	50	80	50	80	48	Jul 09	87	60	86	60	87	58	84	61	88	59	85	60	83	59
May 10	73	50	72	51	76	53	71	51	82	51	71	53	72	53	Jul 10	87	57	89	58	87	55	86	59	91	58	88	58	87	57
May 11	75	41	73	43	76	56	73	47	74	53	72	49	71	45	Jul 11	99	57	96	61	93	59	93	62	98	60	95	62	94	61
May 12	82	48	80	51	82	50	83	48	82	55	81	48	79	49	Jul 12	101	65	100	63	99	62	97	64	103	66	99	64	100	63
May 13	84	49	84	47	85	53	82	44	85	54	82	51	84	46	Jul 13	102	70	103	67	99	64	99	65	105	74	102	65	102	65
May 14	85	54	86	51	87	55	84	51	89	54	87	51	85	50	Jul 14	102	67	102	67	99	61	100	68	106	77	102	69	104	64
May 15	83	58	83	58	85	56	81	60	86	58	83	56	81	52	Jul 15	103	70	104	67	102	65	101	69	108	76	104	67	104	70
May 16	84	49	84	50	84	56	82	55	94	59	82	54	82	54	Jul 16	106	66	106	65	101	62	97	67	107	75	105	66	106	64
May 17	76	50	76	52	78	53	75	55	82	53	74	52	73	46	Jul 17	107	68	107	66	102	65	100	70	108	74	101	66	104	64
May 18	76	48	74	49	76	53	74	52	76	52	75	51	75	48	Jul 18	101	68	100	68	99	63	97	71	104	72	94	65	98	67
May 19	81	52	80	49	82	55	79	48	82	52	79	50	80	48	Jul 19	101	64	97	65	100	59	94	67	104	67	93	62	95	61
May 20	75	52	78	53	82	52	78	56	83	52	77	52	76	50	Jul 20	102	64	103	60	99	57	99	65	93	61	100	59	98	61
May 21	78	52	79	52	79	51	78	54	82	53	76	52	74	51	Jul 21	91	65	91	67	91	63	90	65	90	68	88	65	90	66
May 22	78	52	76	53	78	54	74	54	82	55	72	53	73	49	Jul 22	100	53	93	60	91	51	90	56	94	59	94	58	91	60
May 23	75	48	74	52	80	50	74	52	72	52	76	50	75	48	Jul 23	100	60	102	58	99	59	97	61	102	60	101	56	101	58
May 24	80	51	80	52	80	49	78	52	79	52	77	51	78	48	Jul 24	100	60	101	63	103	64	97							

Table 2. (Continued)

	Glenn (Willows)		Colusa (colusa)		Yolo (Woodland)		Butte (Durham)		Yuba (Yuba City)		Sutter (Nicolas)		San Joaquin (Escalon)	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min
Aug 01	100	61	101	64	103	55	97	62	103	70	99	60	101	62
Aug 02	99	58	95	60	95	56	91	59	99	66	93	58	98	57
Aug 03	98	58	99	57	99	55	94	57	101	64	97	57	96	59
Aug 04	100	58	99	59	98	56	96	62	102	67	99	59	98	62
Aug 05	101	64	102	63	100	60	98	63	107	72	103	62	101	64
Aug 06	101	62	102	61	103	58	99	61	104	68	98	61	101	65
Aug 07	100	60	101	60	103	59	98	63	100	68	102	63	99	62
Aug 08	97	63	97	64	99	61	93	67	95	67	94	64	96	64
Aug 09	99	61	98	59	103	57	93	63	98	63	97	61	96	63
Aug 10	98	59	99	58	99	58	94	62	98	62	95	59	97	60
Aug 11	98	60	100	59	100	56	94	60	101	65	98	57	97	65
Aug 12	98	61	98	60	101	59	94	62	102	70	96	59	99	59
Aug 13	91	63	88	58	89	55	86	63	88	67	83	57	87	57
Aug 14	91	55	91	55	91	55	88	58	93	58	87	56	88	57
Aug 15	92	55	87	58	88	56	85	61	87	58	84	57	79	60
Aug 16	92	61	94	61	92	62	91	62	92	60	92	60	93	61
Aug 17	93	61	93	61	94	57	92	63	89	60	90	61	94	60
Aug 18	88	56	87	57	88	53	85	55	90	55	82	56	85	57
Aug 19	90	51	87	52	87	54	85	55	97	60	85	55	84	55
Aug 20	95	55	94	53	94	53	89	55	97	60	92	54	88	57
Aug 21	99	58	95	54	96	53	91	57	98	58	93	54	91	60
Aug 22	100	59	99	54	98	52	92	56	100	58	96	55	94	56
Aug 23	96	60	96	58	98	56	93	60	97	62	93	59	98	57
Aug 24	90	53	92	55	93	52	89	56	94	63	87	57	91	57
Aug 25	95	53	92	52	92	51	88	56	95	62	90	57	93	56
Aug 26	97	54	96	52	98	52	94	54	98	58	97	52	96	55
Aug 27	97	57	98	50	99	53	95	53	100	59	100	55	97	61
Aug 28	97	60	99	59	101	58	94	59	99	65	95	61	99	61
Aug 29	96	58	91	55	90	51	91	56	91	60	88	58	90	59
Aug 30	100	67	93	65	93	68	93	66	92	65	89	57	90	59
Aug 31	99	66	97	53	97	60	97	61	99	59	97	56	95	54
Sep 01	94	54	95	53	97	53	92	54	95	59	91	56	94	54
Sep 02	91	55	90	55	93	51	89	54	92	58	88	54	94	55
Sep 03	89	52	89	55	93	51	88	52	87	57	86	55	90	56
Sep 04	89	49	86	53	86	51	83	53	91	57	82	53	86	53
Sep 05	89	50	89	52	89	51	87	54	92	58	89	51	88	53
Sep 06	89	54	88	53	89	53	87	52	91	55	86	55	89	52
Sep 07	90	50	89	50	87	50	81	52	88	54	84	51	87	54
Sep 08	83	49	82	54	83	51	81	55	82	58	77	54	83	55
Sep 09	82	53	79	55	82	53	79	56	78	57	72	55	80	55
Sep 10	78	49	78	53	78	52	77	50	79	54	75	53	77	49
Sep 11	81	48	78	47	78	46	76	50	79	52	78	50	79	48
Sep 12	82	46	81	44	81	45	73	44	82	49	79	49	80	46
Sep 13	84	49	82	46	83	43	79	44	82	48	79	47	79	51
Sep 14	84	45	81	51	81	47	79	51	81	49	78	50	80	51
Sep 15	84	47	84	47	84	46	81	49	86	50	83	50	82	52
Sep 16	80	49	78	52	82	48	77	53	79	50	75	52	79	51
Sep 17	86	47	79	49	78	50	78	51	80	53	78	53	77	53
Sep 18	91	46	84	44	84	46	85	46	85	54	82	47	81	50
Sep 19	95	48	91	45	89	47	87	47	90	51	87	48	88	50
Sep 20	91	55	96	50	95	53	86	48	93	55	89	50	91	53
Sep 21	87	56	88	56	88	52	83	57	93	58	89	57	84	59
Sep 22	88	55	87	51	88	49	85	53	88	55	85	53	89	53
Sep 23	82	48	80	54	83	45	79	52	83	53	79	53	79	49
Sep 24	86	58	80	55	80	60	79	54	86	52	78	46	79	49
Sep 25	86	62	85	51	83	57	83	51	81	58	84	42	83	44
Sep 26	86	55	86	52	88	53	84	51	88	67	86	53	86	61
Sep 27	98	52	86	54	85	52	85	56	93	58	83	55	83	56
Sep 28	98	55	96	53	95	57	95	55	93	68	91	52	90	52
Sep 29	94	53	93	48	92	52	87	49	94	58	96	51	93	55
Sep 30	89	48	92	48	93	50	88	49	85	61	92	49	94	53
Oct 01	91	53	84	56	86	52	79	57	81	54	84	58	84	55
Oct 02	75	45	75	46	76	47	72	47	70	52	73	48	76	50
Oct 03	75	44	73	41	74	41	72	46	69	49	73	45	72	46
Oct 04	86	44	75	40	75	44	74	46	73	46	74	42	74	48
Oct 05	86	57	84	50	83	57	83	50	81	49	80	39	79	42
Oct 06	87	50	86	44	85	44	82	43	85	51	88	42	86	44
Oct 07	82	50	84	45	82	47	82	45	75	53	81	45	87	47
Oct 08	84	47	75	45	74	50	72	49	82	48	74	47	74	50
Oct 09	84	47	82	41	82	43	80	46	82	48	80	42	79	44
Oct 10	84	63	83	49	83	52	79	49	83	52	80	43	83	46
Oct 11	90	48	81	44	80	45	83	46	90	53	81	43	84	46
Oct 12	90	52	90	44	89	53	89	50	86	55	90	45	84	48
Oct 13	87	49	85	47	87	46	85	47	85	54	87	47	89	49
Oct 14	85	49	86	45	88	47	82	47	83	52	84	47	91	51
Oct 15	86	45	71	51	72	47	70	48	69	57	71	48	70	51
Oct 16	91	54	85	60	84	61	83	57	84	56	85	53	78	51
Oct 17	92	60	90	52	87	61	91	54	86	58	85	48	83	47
Oct 18	78	48	76	48	78	47	74	50	73	57	73	54	78	50
Oct 19	80	44	73	49	73	48	70	49	76	51	72	50	75	52
Oct 20	81	47	77	45	77	46	78	48	79	51	75	44	74	49
Oct 21	83	44	79	44	80	45	78	43	81	52	79	45	80	47
Oct 22	83	48	81	44	83	44	82	45	80	51	81	45	80	46
Oct 23	82	47	80	46	79	46	80	44	77	50	78	42	78	45
Oct 24	81	50	80	45	80	46	80	45	81	59	81	44	77	50
Oct 25	74	45	75	52	77	45	70	49	72	53	71	52	72	51
Oct 26	66	54	64	47	63	47	61	51	60	40	61	49	72	47
Oct 27	65	48	67	46	69	46	65	48	67	50	67	47	65	50
Oct 28	55	48	56	52	58	53	56	52	58	47	61	53	71	50
Oct 29	67	45	66	46	66	45	67	46	65	53	67	45	69	50
Oct 30	73	41	70	40	70	41	71	41	69	45	69	40	70	42
Oct 31	76	46	76	40	74	44	74	39	74	44	73	38	76	39

Table 3. 2005 Very Early Rice Variety Test - Biggs (RES)

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (cm)
L-205	REX	8920 (1)	14.8 (10)	4.7 (13)	84 (18)	6 (5)	94 (8)
99Y041	L	8840 (2)	14.7 (11)	4.6 (16)	81 (16)	21 (7)	99 (16)
04Y508	L	8840 (3)	16.0 (3)	4.6 (17)	81 (16)	1 (2)	100 (17)
03Y467	REX	8670 (4)	13.8 (15)	4.8 (8)	73 (5)	5 (4)	93 (7)
99Y469	L	8400 (5)	14.0 (13)	4.7 (15)	76 (13)	25 (8)	91 (4)
S-102	S	8350 (6)	12.6 (18)	4.9 (1)	72 (3)	45 (12)	95 (9)
L-204	L	8140 (7)	13.8 (14)	4.8 (3)	79 (15)	1 (1)	90 (2)
03Y254	M	8140 (8)	15.8 (5)	4.5 (18)	72 (3)	42 (10)	102 (18)
04Y198	SPQ	8070 (9)	15.4 (7)	4.7 (11)	75 (11)	14 (6)	91 (3)
04Y206	S	8040 (10)	13.7 (16)	4.8 (9)	75 (11)	31 (9)	95 (10)
M-206	M	7970 (11)	16.8 (1)	4.7 (11)	73 (6)	48 (13)	96 (12)
03Y166	SPQ	7860 (12)	15.3 (8)	4.7 (13)	74 (10)	1 (2)	85 (1)
01Y185	SPQ	7700 (13)	13.0 (17)	4.8 (5)	72 (2)	60 (16)	91 (4)
03Y804	M	7620 (14)	15.4 (6)	4.8 (5)	74 (7)	43 (11)	97 (13)
M-202	M	7560 (15)	15.9 (4)	4.9 (2)	78 (14)	65 (18)	98 (15)
M-103	M	7460 (16)	16.3 (2)	4.8 (9)	74 (8)	60 (17)	97 (14)
CM101	WX	7220 (17)	14.9 (9)	4.8 (3)	74 (8)	53 (14)	95 (10)
M-104	M	5860 (18)	14.2 (12)	4.8 (5)	69 (1)	53 (14)	93 (6)
MEAN		7980	14.8	4.7	75	32	94
CV		8.9	5.3	2.6	2.6	60.4	4.4
LSD (.05)		1010	1.1	0.2	3	27	6
<i>Preliminary Lines and Varieties</i>							
01Y655	REX	9720 (1)	16.5 (5)	4.8 (9)	86 (32)	2 (5)	100 (21)
04Y501	REX	8970 (2)	15.1 (16)	4.8 (12)	79 (30)	4 (7)	105 (32)
03Y183	S	8780 (3)	14.1 (28)	4.7 (21)	73 (7)	59 (28)	91 (7)
02Y565	LSR	8760 (4)	15.5 (13)	4.6 (26)	82 (31)	1 (2)	100 (22)
02Y516	L	8730 (5)	15.8 (12)	4.8 (11)	76 (18)	20 (12)	104 (31)
04Y378	M	8720 (6)	17.0 (3)	4.7 (24)	77 (19)	45 (21)	100 (22)
04Y492	L	8710 (7)	16.0 (9)	4.7 (21)	79 (29)	2 (5)	100 (22)
04Y523	L	8430 (8)	14.5 (25)	4.8 (17)	78 (24)	19 (11)	99 (19)
04Y506	L	8390 (9)	15.5 (13)	4.8 (9)	77 (22)	1 (2)	89 (4)
04Y220	WX	8370 (10)	17.3 (1)	4.5 (30)	78 (24)	21 (13)	96 (13)
04Y332	MPQ	8280 (11)	16.4 (6)	4.8 (12)	74 (13)	33 (18)	103 (29)
03Y164	SPQ	8210 (12)	14.0 (30)	4.7 (21)	79 (27)	30 (16)	95 (10)
03Y454	L	8000 (13)	16.2 (7)	4.4 (31)	79 (28)	2 (4)	93 (8)
04Y855	M	7890 (14)	16.6 (4)	4.9 (2)	72 (6)	59 (28)	102 (28)
04Y286	M	7890 (15)	16.1 (8)	4.7 (18)	74 (13)	56 (26)	96 (14)
04Y999	M	7890 (16)	14.9 (18)	4.8 (12)	73 (11)	5 (9)	95 (12)
04Y837	M	7830 (17)	15.9 (10)	4.8 (12)	72 (5)	57 (27)	103 (30)
04Y817	M	7680 (18)	14.7 (21)	4.9 (5)	69 (1)	46 (22)	97 (15)
04Y827	M	7670 (19)	15.5 (13)	4.9 (2)	73 (7)	31 (17)	101 (25)
04Y816	M	7620 (20)	14.1 (28)	4.9 (6)	73 (10)	6 (10)	101 (25)
04Y213	WX	7610 (21)	14.8 (20)	4.7 (18)	78 (24)	51 (23)	87 (2)
04Y857	M	7610 (22)	15.8 (11)	4.8 (12)	74 (12)	34 (20)	99 (20)
04Y252	M	7520 (23)	14.9 (19)	4.3 (32)	75 (16)	33 (18)	98 (17)
04Y926	M	7510 (24)	15.0 (17)	4.9 (6)	71 (4)	54 (25)	97 (16)
04Y247	M	7460 (25)	14.0 (30)	4.6 (26)	73 (7)	25 (14)	91 (5)
03Y167	SPQ	7300 (26)	14.6 (22)	4.9 (2)	75 (17)	4 (7)	91 (5)
04Y177	SPQ	7090 (27)	13.8 (32)	4.6 (28)	74 (13)	51 (23)	88 (3)
04Y227	M	7000 (28)	14.5 (25)	4.7 (24)	69 (2)	65 (31)	102 (27)
03Y308	MPQ	6930 (29)	17.1 (2)	4.6 (29)	77 (19)	64 (30)	95 (10)
03Y485	BAS	6790 (30)	14.6 (22)	4.9 (1)	77 (22)	1 (1)	98 (17)
03Y170	SPQ	6780 (31)	14.6 (22)	4.9 (6)	77 (21)	75 (32)	86 (1)
04Y234	M	6610 (32)	14.1 (27)	4.7 (18)	70 (3)	28 (15)	94 (9)
MEAN		7900	15.3	4.7	75	31	97
CV		8.2	5	3.5	2.4	64.8	3.7
LSD (.05)		910	1.1	0.2	3	28	5

Planting date: May 23-24 and May 25-27 (reps 1&amp;2 and reps 3&amp;4 respectively).

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 4. 2005 Very Early Rice Variety Test - Sutter Co.

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (cm)
S-102	S	8510 (1)	16.5 (12)	5.0 (1)	80 (1)	93 (14)	98 (14)
04Y206	S	7880 (2)	17.2 (9)	4.7 (13)	81 (3)	95 (17)	94 (6)
M-104	M	7800 (3)	19.8 (4)	5.0 (5)	81 (5)	58 (8)	96 (10)
99Y041	L	7720 (4)	16.5 (11)	5.0 (1)	90 (15)	64 (10)	94 (7)
01Y185	SPQ	7640 (5)	20.0 (3)	4.7 (13)	83 (8)	79 (11)	95 (8)
M-206	M	7570 (6)	16.4 (13)	4.9 (6)	86 (11)	97 (18)	99 (17)
L-205	LREX	7440 (7)	16.0 (15)	4.9 (7)	97 (18)	6 (4)	96 (10)
04Y198	SPQ	7380 (8)	21.0 (2)	4.5 (17)	82 (7)	12 (6)	91 (2)
03Y254	M	7340 (9)	16.5 (10)	4.8 (8)	85 (10)	95 (16)	99 (16)
99Y469	L	7310 (10)	13.0 (17)	4.6 (16)	87 (14)	94 (15)	91 (4)
03Y166	SPQ	7270 (11)	22.2 (1)	4.7 (15)	81 (5)	5 (2)	91 (2)
03Y804	M	7260 (12)	18.9 (6)	4.8 (12)	83 (9)	7 (5)	102 (18)
M-202	M	7220 (13)	16.1 (14)	4.8 (8)	87 (12)	91 (13)	97 (12)
CM101	SWX	7090 (14)	18.0 (8)	5.0 (1)	81 (3)	90 (12)	98 (15)
M-103	M	7040 (15)	19.6 (5)	5.0 (1)	81 (2)	50 (7)	97 (13)
L-204	L	6980 (16)	15.5 (16)	4.8 (8)	93 (16)	2 (1)	92 (5)
03Y467	LREX	6950 (17)	13.0 (18)	4.8 (8)	87 (12)	59 (9)	89 (1)
04Y508	L	6930 (18)	18.4 (7)	4.2 (18)	96 (17)	6 (3)	96 (9)
MEAN		7410	17.5	4.8	86	56	95
CV		5.2	7.2	4.2	1.6	30.2	2.5
LSD (.05)		550	1.8	0.3	2	24	3
<i>Preliminary Lines and Varieties</i>							
04Y220	SWX	8170 (1)	20.2 (3)	5.0 (1)	83 (11)	70 (22)	96 (13)
04Y247	M	8140 (2)	18.8 (5)	4.7 (24)	83 (11)	21 (16)	94 (7)
04Y177	SPQ	8040 (3)	18.0 (8)	5.0 (12)	81 (2)	92 (23)	90 (2)
04Y837	M	7940 (4)	17.6 (14)	5.0 (1)	82 (5)	50 (20)	103 (31)
04Y213	SWX	7870 (5)	14.8 (28)	5.0 (1)	83 (14)	93 (26)	91 (4)
04Y827	M	7870 (6)	16.9 (19)	5.0 (1)	85 (18)	38 (18)	99 (22)
04Y234	M	7860 (7)	20.0 (4)	4.9 (14)	81 (2)	1 (1)	97 (16)
04Y816	M	7850 (8)	18.4 (6)	5.0 (1)	82 (8)	16 (15)	100 (25)
04Y492	L	7770 (9)	18.0 (10)	5.0 (1)	91 (28)	1 (1)	100 (27)
04Y817	M	7690 (10)	17.2 (16)	5.0 (1)	82 (5)	33 (17)	99 (22)
04Y227	M	7620 (11)	16.0 (25)	4.9 (14)	83 (14)	92 (23)	100 (25)
03Y183	S	7490 (12)	16.6 (23)	4.7 (24)	81 (2)	93 (26)	95 (11)
04Y252	M	7490 (13)	17.7 (13)	4.6 (28)	83 (14)	5 (11)	92 (5)
03Y170	SPQ	7470 (14)	17.1 (18)	4.8 (21)	80 (1)	40 (19)	89 (1)
04Y855	M	7460 (15)	15.2 (27)	5.0 (1)	82 (8)	99 (30)	103 (32)
04Y378	M	7400 (16)	20.4 (2)	4.7 (24)	82 (8)	6 (12)	101 (28)
02Y565	LSR	7370 (17)	18.1 (7)	4.5 (29)	88 (26)	3 (9)	95 (11)
04Y501	LREX	7350 (18)	14.7 (29)	4.5 (29)	92 (30)	8 (13)	102 (29)
04Y506	L	7280 (19)	18.0 (11)	4.7 (27)	91 (29)	1 (1)	90 (2)
04Y286	M	7180 (20)	17.5 (15)	4.9 (13)	85 (19)	97 (28)	95 (10)
04Y857	M	7180 (21)	16.8 (21)	5.0 (1)	83 (11)	60 (21)	98 (19)
03Y167	SPQ	7060 (22)	21.3 (1)	5.0 (1)	82 (5)	2 (8)	92 (5)
01Y655	LREX	7050 (23)	16.7 (22)	4.9 (14)	96 (32)	3 (9)	99 (20)
04Y523	L	7020 (24)	13.0 (32)	4.5 (29)	90 (27)	8 (14)	97 (16)
04Y332	MPQ	7010 (25)	16.2 (24)	4.9 (14)	85 (19)	92 (23)	99 (20)
04Y999	M	6970 (26)	16.0 (26)	4.9 (14)	85 (19)	97 (29)	99 (22)
03Y164	SPQ	6940 (27)	18.0 (9)	4.8 (22)	83 (14)	1 (1)	96 (13)
02Y516	L	6930 (28)	16.9 (20)	4.9 (14)	87 (25)	1 (1)	102 (30)
04Y926	M	6870 (29)	14.5 (30)	4.9 (14)	86 (23)	99 (30)	97 (15)
03Y308	MPQ	6800 (30)	14.2 (31)	4.8 (22)	85 (19)	99 (30)	94 (8)
03Y454	L	6750 (31)	17.8 (12)	4.5 (29)	93 (31)	1 (1)	94 (8)
03Y485	LBAS	6560 (32)	17.1 (17)	5.0 (1)	86 (23)	1 (1)	97 (16)
MEAN		7390	17.2	4.8	85	41	96
CV		6.1	4.9	3.7	1.4	39.5	3.5
LSD (.05)		920	1.7	0.4	2	33	7

Planting date: May 11, Harvest date: September 20

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 5. 2005 Very Early Rice Variety Test - Yolo Co.

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (cm)
99Y041	L	10290 (1)	15.9 (11)	5.0 (5)	89 (16)	3 (14)	108 (15)
M-202	M	9750 (2)	18.7 (1)	5.0 (5)	85 (14)	17 (18)	110 (18)
L-205	REX	9740 (3)	15.0 (17)	5.0 (1)	89 (16)	1 (1)	101 (7)
04Y508	L	9700 (4)	15.6 (13)	4.8 (15)	90 (18)	1 (1)	99 (6)
99Y469	L	9640 (5)	14.0 (18)	4.9 (14)	83 (12)	1 (1)	96 (3)
03Y467	REX	9600 (6)	15.3 (16)	4.9 (13)	83 (11)	1 (1)	97 (4)
M-206	M	9600 (7)	18.7 (2)	5.0 (5)	84 (13)	1 (1)	106 (14)
03Y254	M	9520 (8)	18.1 (5)	5.0 (5)	82 (9)	1 (1)	108 (16)
S-102	S	9460 (9)	15.6 (13)	5.0 (1)	79 (1)	1 (1)	104 (11)
04Y206	S	9380 (10)	17.3 (9)	4.8 (17)	80 (3)	1 (1)	103 (10)
01Y185	SPQ	9350 (11)	17.6 (7)	5.0 (10)	81 (8)	3 (14)	104 (12)
03Y804	M	9050 (12)	17.2 (10)	5.0 (10)	81 (4)	1 (1)	109 (17)
L-204	L	9030 (13)	15.9 (12)	4.9 (12)	88 (15)	1 (1)	94 (1)
M-104	M	8830 (14)	17.3 (8)	5.0 (1)	79 (2)	2 (13)	101 (7)
M-103	M	8810 (15)	17.7 (6)	5.0 (1)	81 (4)	13 (17)	103 (9)
CM101	SWX	8800 (16)	15.4 (15)	5.0 (5)	81 (4)	8 (16)	104 (13)
04Y198	SPQ	8700 (17)	18.3 (4)	4.8 (18)	81 (4)	1 (1)	98 (5)
03Y166	SPQ	8680 (18)	18.3 (3)	4.8 (15)	82 (10)	1 (1)	95 (2)
MEAN		9330	16.8	4.9	83	3	102
CV		2.9	3.2	1.5	1.2	200.1	3.2
LSD (.05)		380	0.8	0.1	1	9	5
<i>Preliminary Lines and Varieties</i>							
04Y501	REX	10340 (1)	14.9 (28)	5.0 (13)	88 (28)	1 (1)	110 (25)
04Y506	L	10250 (2)	16.0 (22)	4.9 (26)	88 (30)	1 (1)	95 (3)
02Y516	L	10140 (3)	16.2 (20)	4.9 (20)	83 (20)	1 (1)	109 (24)
01Y655	REX	10040 (4)	14.3 (31)	4.9 (20)	91 (32)	45 (32)	110 (27)
04Y523	L	9860 (5)	14.3 (32)	5.0 (1)	85 (25)	1 (1)	103 (14)
03Y308	MPQ	9780 (6)	17.9 (4)	5.0 (1)	85 (25)	25 (31)	100 (7)
04Y177	SPQ	9630 (7)	16.1 (21)	5.0 (1)	81 (4)	16 (30)	99 (6)
04Y837	M	9480 (8)	17.4 (10)	5.0 (1)	81 (4)	1 (1)	118 (32)
04Y857	M	9400 (9)	17.4 (9)	5.0 (13)	82 (13)	1 (1)	110 (25)
03Y183	S	9380 (10)	16.4 (19)	4.9 (26)	81 (4)	3 (20)	104 (17)
02Y565	LSR	9350 (11)	14.9 (29)	4.8 (32)	89 (31)	1 (1)	101 (9)
04Y220	WX	9340 (12)	19.2 (1)	4.9 (20)	82 (13)	11 (27)	106 (21)
04Y492	L	9330 (13)	15.1 (26)	5.0 (1)	87 (27)	1 (1)	107 (23)
04Y213	WX	9290 (14)	15.1 (27)	5.0 (13)	84 (21)	15 (29)	94 (1)
04Y332	MPQ	9260 (15)	17.6 (6)	5.0 (1)	82 (13)	3 (20)	115 (31)
04Y227	M	9140 (16)	17.6 (7)	5.0 (1)	79 (1)	13 (28)	112 (30)
04Y855	M	9140 (17)	17.1 (14)	5.0 (1)	82 (13)	6 (25)	112 (29)
04Y816	M	9100 (18)	17.3 (12)	5.0 (1)	81 (4)	1 (1)	105 (20)
03Y454	L	9100 (19)	15.4 (25)	4.9 (20)	88 (28)	1 (1)	98 (5)
04Y286	M	8900 (20)	17.4 (8)	5.0 (13)	81 (4)	1 (1)	102 (10)
04Y378	M	8820 (21)	17.9 (3)	4.9 (20)	82 (11)	1 (1)	104 (18)
04Y817	M	8730 (22)	16.8 (15)	5.0 (1)	81 (4)	8 (26)	104 (18)
04Y926	M	8620 (23)	17.1 (13)	5.0 (13)	82 (11)	1 (1)	102 (10)
04Y999	M	8580 (24)	17.9 (5)	4.9 (20)	84 (21)	3 (20)	102 (10)
03Y164	SPQ	8490 (25)	15.5 (23)	5.0 (13)	82 (13)	3 (20)	102 (10)
04Y234	M	8460 (26)	16.8 (17)	4.9 (26)	81 (2)	1 (1)	103 (14)
04Y827	M	8420 (27)	17.3 (11)	4.9 (26)	84 (21)	3 (20)	106 (22)
03Y167	SPQ	8370 (28)	18.1 (2)	5.0 (13)	81 (2)	1 (1)	103 (14)
04Y252	M	8330 (29)	16.8 (16)	4.8 (30)	82 (13)	1 (1)	100 (7)
03Y170	SPQ	8260 (30)	15.5 (24)	5.0 (1)	82 (13)	1 (1)	94 (1)
04Y247	M	7640 (31)	16.7 (18)	4.8 (30)	81 (4)	1 (1)	97 (4)
03Y485	BAS	7340 (32)	14.8 (30)	5.0 (1)	84 (21)	1 (1)	110 (27)
MEAN		9070	16.5	4.9	83	5	104
CV		4	2.9	1.1	1.1	176.4	3.3
LSD (.05)		740	1	0.1	2	19	7

Planting date: May 16, Harvest date: October 13

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 6. 2005 Very Early Rice Variety Test - San Joaquin Co.

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (cm)
CM101	SWX	8480 (1)	20.1 (11)	5.0 (1)	90 (10)	9 (16)	92 (17)
S-102	S	8430 (2)	17.3 (17)	5.0 (1)	82 (1)	12 (17)	86 (12)
99Y041	L	8290 (3)	18.2 (15)	5.0 (1)	89 (9)	1 (1)	84 (8)
04Y206	S	8290 (4)	20.5 (10)	4.5 (17)	83 (2)	16 (18)	86 (11)
04Y508	L	8070 (5)	19.7 (12)	4.9 (15)	88 (7)	5 (14)	83 (6)
03Y254	M	7890 (6)	20.7 (9)	4.9 (14)	88 (6)	1 (1)	87 (13)
M-104	M	7810 (7)	23.2 (5)	5.0 (1)	90 (12)	1 (1)	93 (18)
03Y467	REX	7810 (8)	16.3 (18)	5.0 (1)	86 (4)	2 (12)	76 (2)
01Y185	SPQ	7660 (9)	23.1 (6)	4.9 (9)	91 (13)	1 (1)	82 (3)
M-206	M	7550 (10)	24.6 (3)	4.9 (9)	93 (16)	1 (1)	87 (13)
M-202	M	7530 (11)	26.0 (1)	5.0 (1)	96 (18)	1 (1)	91 (16)
M-103	M	7490 (12)	21.3 (8)	5.0 (1)	85 (3)	4 (13)	85 (10)
L-205	REX	7450 (13)	18.2 (16)	5.0 (8)	93 (17)	1 (1)	84 (7)
L-204	L	7360 (14)	19.0 (14)	4.9 (9)	90 (11)	8 (15)	84 (9)
03Y804	M	7220 (15)	22.8 (7)	4.9 (9)	87 (5)	1 (1)	91 (15)
99Y469	L	7190 (16)	19.1 (13)	4.9 (9)	92 (14)	1 (1)	70 (1)
03Y166	SPQ	6690 (17)	25.6 (2)	4.7 (16)	92 (15)	1 (1)	82 (3)
04Y198	SPQ	6600 (18)	23.3 (4)	4.3 (18)	89 (8)	1 (1)	82 (5)
MEAN		7650	21.0	4.9	89	4	85
CV		5.4	4.3	4	2.7	204	4.3
LSD (.05)		580	1.3	0.3	3		5
<i>Preliminary Lines and Varieties</i>							
04Y855	M	8650 (1)	20.5 (19)	5.0 (1)	95 (27)	30 (32)	93 (29)
04Y837	M	8550 (2)	22.0 (16)	5.0 (1)	89 (6)	1 (2)	100 (32)
04Y220	SWX	8490 (3)	25.1 (2)	5.0 (1)	93 (15)	8 (29)	91 (23)
04Y523	L	8190 (4)	17.4 (32)	5.0 (1)	89 (3)	1 (2)	84 (9)
04Y227	M	8190 (5)	20.8 (18)	5.0 (1)	92 (13)	6 (27)	97 (31)
01Y655	REX	8120 (6)	19.9 (21)	5.0 (1)	94 (20)	1 (2)	88 (18)
04Y213	SWX	7970 (7)	18.8 (27)	5.0 (21)	97 (30)	25 (31)	86 (13)
04Y378	M	7970 (8)	22.5 (12)	4.8 (26)	88 (2)	1 (2)	88 (18)
04Y506	L	7900 (9)	18.6 (30)	5.0 (1)	91 (9)	1 (2)	79 (3)
02Y565	LSR	7820 (10)	19.2 (24)	4.6 (30)	94 (20)	1 (2)	83 (6)
04Y501	REX	7780 (11)	17.7 (31)	5.0 (1)	91 (9)	1 (2)	88 (18)
03Y183	S	7740 (12)	22.8 (8)	4.8 (28)	92 (11)	6 (27)	89 (21)
04Y492	L	7740 (13)	19.0 (26)	5.0 (1)	90 (7)	1 (2)	95 (30)
04Y926	M	7710 (14)	22.2 (15)	5.0 (1)	93 (15)	1 (2)	86 (13)
04Y332	MPQ	7700 (15)	23.1 (7)	5.0 (1)	93 (18)	1 (2)	90 (22)
03Y308	MPQ	7700 (16)	23.5 (5)	5.0 (21)	100 (32)	8 (29)	84 (10)
04Y817	M	7660 (17)	22.3 (14)	5.0 (1)	95 (27)	1 (2)	92 (27)
02Y516	L	7630 (18)	19.5 (23)	5.0 (1)	89 (3)	1 (2)	92 (25)
04Y816	M	7540 (19)	22.5 (10)	5.0 (1)	93 (18)	1 (2)	87 (17)
04Y286	M	7420 (20)	24.4 (4)	5.0 (1)	94 (20)	3 (22)	92 (25)
04Y177	SPQ	7410 (21)	20.4 (20)	4.9 (24)	94 (24)	1 (2)	78 (2)
04Y827	M	7370 (22)	24.6 (3)	5.0 (1)	98 (31)	1 (2)	92 (27)
04Y252	M	7270 (23)	21.2 (17)	4.9 (24)	92 (11)	3 (22)	85 (11)
03Y454	L	7240 (24)	19.9 (22)	5.0 (1)	93 (15)	3 (22)	86 (13)
04Y999	M	7190 (25)	23.1 (6)	5.0 (21)	94 (24)	3 (22)	86 (13)
03Y164	SPQ	7160 (26)	19.1 (25)	4.5 (32)	86 (1)	3 (22)	79 (3)
03Y170	SPQ	7080 (27)	18.6 (29)	4.8 (28)	89 (3)	1 (1)	70 (1)
04Y247	M	7070 (28)	22.5 (11)	4.6 (30)	94 (24)	1 (2)	85 (11)
04Y857	M	7030 (29)	22.4 (13)	5.0 (1)	94 (20)	1 (2)	91 (24)
04Y234	M	7020 (30)	22.8 (9)	4.8 (26)	92 (13)	1 (2)	83 (6)
03Y167	SPQ	6370 (31)	26.3 (1)	5.0 (1)	96 (29)	1 (2)	83 (6)
03Y485	BAS	5610 (32)	18.7 (28)	5.0 (1)	91 (8)	1 (2)	82 (5)
MEAN		7570	21.3	4.9	92	4	87
CV		3.7	4.2	2.8	1.7	115	4.3
LSD (.05)		570	1.8	0.3	3	9	8

Planting date: May 9, Harvest date: September 29

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 7. 2005 Very Early Rice Variety Tests - Four Location Yield (lb/ac @ 14% moisture) Summary.

<i>Advanced Lines and Varieties</i>						
Variety	Grain Type	Average	Biggs RES	Sutter Lauppe	Yolo Erdman	San Joaquin Brumley
99Y041	L	8780 (1)	8840 (2)	7720 (4)	10290 (1)	8290 (3)
S-102	S	8690 (2)	8350 (6)	8510 (1)	9460 (9)	8430 (2)
04Y206	S	8400 (3)	8040 (10)	7880 (2)	9380 (10)	8290 (4)
L-205	REX	8390 (4)	8920 (1)	7440 (7)	9740 (3)	7450 (13)
04Y508	L	8380 (5)	8840 (3)	6930 (18)	9700 (4)	8070 (5)
03Y467	REX	8260 (6)	8670 (4)	6950 (17)	9600 (6)	7810 (8)
03Y254	M	8220 (7)	8140 (8)	7340 (9)	9520 (8)	7890 (6)
M-206	M	8170 (8)	7970 (11)	7570 (6)	9600 (7)	7550 (10)
99Y469	L	8130 (9)	8400 (5)	7310 (10)	9640 (5)	7190 (16)
01Y185	SPQ	8090 (10)	7700 (13)	7640 (5)	9350 (11)	7660 (9)
M-202	M	8010 (11)	7560 (15)	7220 (13)	9750 (2)	7530 (11)
CM101	WX	7900 (12)	7220 (17)	7090 (14)	8800 (16)	8480 (1)
L-204	L	7880 (13)	8140 (7)	6980 (16)	9030 (13)	7360 (14)
03Y804	M	7790 (14)	7620 (14)	7260 (12)	9050 (12)	7220 (15)
M-103	M	7700 (15)	7460 (16)	7040 (15)	8810 (15)	7490 (12)
04Y198	SPQ	7690 (16)	8070 (9)	7380 (8)	8700 (17)	6600 (18)
03Y166	SPQ	7620 (17)	7860 (12)	7270 (11)	8680 (18)	6690 (17)
M-104	M	7580 (18)	5860 (18)	7800 (3)	8830 (14)	7810 (7)
MEAN		8090	7980	7410	9330	7650
CV		5.9	8.9	5.2	2.9	5.4
LSD (.05)		330	1010	550	380	580
<i>Preliminary Lines and Varieties</i>						
01Y655	REX	8730 (1)	9720 (1)	7050 (23)	10040 (4)	8650 (1)
04Y501	REX	8610 (2)	8970 (2)	7350 (18)	10340 (1)	7970 (8)
04Y220	SWX	8600 (3)	8370 (10)	8170 (1)	9340 (12)	7970 (7)
04Y506	L	8460 (4)	8390 (9)	7280 (19)	10250 (2)	7780 (11)
04Y837	M	8450 (5)	7830 (17)	7940 (4)	9480 (8)	7370 (22)
04Y492	L	8390 (6)	8710 (7)	7770 (9)	9330 (13)	7740 (13)
04Y523	L	8380 (7)	8430 (8)	7020 (24)	9860 (5)	7900 (9)
02Y516	L	8360 (8)	8730 (5)	6930 (28)	10140 (3)	8120 (6)
03Y183	S	8350 (9)	7800 (3)	7490 (12)	9380 (10)	7080 (27)
02Y565	LSR	8330 (10)	8760 (4)	7370 (17)	9350 (11)	7630 (18)
04Y855	M	8280 (11)	7890 (14)	7460 (15)	9140 (17)	8550 (2)
04Y378	M	8220 (12)	8720 (6)	7400 (16)	8820 (21)	7700 (15)
04Y213	SWX	8190 (13)	7610 (21)	7870 (5)	9290 (14)	7410 (21)
04Y332	MPQ	8060 (14)	8280 (11)	7010 (25)	9260 (15)	7420 (20)
04Y177	SPQ	8040 (15)	7090 (27)	8040 (3)	9630 (7)	5610 (32)
04Y816	M	8030 (16)	7620 (20)	7850 (8)	9100 (18)	8190 (4)
04Y227	M	7990 (17)	7000 (28)	7620 (11)	9140 (16)	8490 (3)
04Y817	M	7940 (18)	7680 (18)	7690 (10)	8730 (22)	7540 (19)
04Y286	M	7850 (19)	7890 (15)	7180 (20)	8900 (20)	7270 (23)
04Y827	M	7830 (20)	7670 (19)	7870 (6)	8420 (27)	7660 (17)
04Y857	M	7800 (21)	7610 (22)	7180 (21)	9400 (9)	7030 (29)
03Y308	MPQ	7800 (22)	6930 (29)	6800 (30)	9780 (6)	7740 (12)
03Y454	L	7770 (23)	8000 (13)	6750 (31)	9100 (19)	7700 (16)
03Y164	SPQ	7700 (24)	8210 (12)	6940 (27)	8490 (25)	7820 (10)
04Y926	M	7680 (25)	7510 (24)	6870 (29)	8620 (23)	7710 (14)
04Y999	M	7660 (26)	7890 (16)	6970 (26)	8580 (24)	7190 (25)
04Y252	M	7650 (27)	7520 (23)	7490 (13)	8330 (29)	7070 (28)
04Y247	M	7580 (28)	7460 (25)	8140 (2)	7640 (31)	7020 (30)
04Y234	M	7490 (29)	6610 (32)	7860 (7)	8460 (26)	8190 (5)
03Y170	SPQ	7400 (30)	6780 (31)	7470 (14)	8260 (30)	6370 (31)
03Y167	SPQ	7270 (31)	7300 (26)	7060 (22)	8370 (28)	7160 (26)
03Y485	BAS	6570 (32)	6790 (30)	6560 (32)	7340 (32)	7240 (24)
MEAN		7970	7900	7390	9070	7570
CV		6.6	8.2	6.1	4.0	3.7
LSD (.05)		470	910	920	740	570

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; SR = stem rot resistant.

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 (2001-2005)\*

Location	Year	M-103	M-104	M-202	M-206	Calmochi			
						101	S-102	L-204	L-205
Biggs (RES)	2001	<b>9040</b>	9760	9950	9720	8930	10260	10300	10220
	2002	<b>8740</b>	10170	9710	10670	8890	9910	10120	10910
	2003	<b>6720</b>	7470	7760	7950	8630	10150	9480	9370
	2004	<b>9380</b>	9380	9050	10210	8150	9620	10830	10350
	2005	<b>7460</b>	5860	7560	7970	7220	8350	8140	8920
Location Mean		<b>8268</b>	8528	8806	9304	8364	9658	9774	9954
San Joaquin	2001	<b>8452</b>	8787	7333	8661	9487	10126	8107	7636
	2002	<b>9027</b>	9833	9153	9310	8944	9320	8159	7615
	2003	<b>8713</b>	8860	8347	9299	9027	9487	8567	8253
	2004	<b>8260</b>	8880	8530	9110	9250	8330	8190	8050
	2005	<b>7490</b>	7810	7530	7550	8480	8430	7360	7450
Location Mean		<b>8388</b>	8834	8179	8786	9038	9139	8077	7801
Sutter	2001	<b>9655</b>	9184	8985	9916	8923	9686	8923	8630
	2002	<b>8692</b>	10063	9351	10324	9425	10408	9268	9467
	2003	<b>9749</b>	8808	8630	8975	7688	8849	8755	9006
	2004	<b>10110</b>	10400	11090	10150	10750	11050	11350	10400
	2005	<b>7040</b>	7800	7220	7570	7090	8510	6980	7440
Location Mean		<b>9049</b>	9251	9055	9387	8775	9701	9055	8989
Yolo	2001	<b>10165</b>	10176	9716	9990	10449	10810	9005	8403
	2002	<b>10165</b>	10482	9497	10044	9727	10756	8283	8950
	2003	<b>9530</b>	9716	10230	10176	9279	9902	9399	9880
	2004**	-	-	-	-	-	-	-	-
	2005	<b>8810</b>	8830	9750	9600	8800	9460	9030	9740
Location Mean		<b>9667</b>	9801	9799	9952	9564	10232	8929	9243
Loc/Years Mean		<b>8800</b>	9067	8915	9326	8902	9653	8960	8984
Yield % M-103		<b>100.0</b>	<b>103.0</b>	<b>101.3</b>	<b>106.0</b>	<b>101.2</b>	<b>109.7</b>	<b>101.8</b>	<b>102.1</b>
Number of Tests		<b>19</b>	19	19	19	19	19	19	19

\* 2000-2003 yields for San Joaquin, Sutter, and Yolo were converted to represent the 2004 harvested plot area of 143.4 square feet.

\*\* 2004 Yolo results not included due to Abolish herbicide damage.

Table 9. 2005 Early Rice Variety Test - Biggs (RES)

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (cm)
01Y655	REX	8820 (1)	16.2 (1)	4.8 (6)	88 (21)	2 (4)	101 (19)
L-205	REX	8760 (2)	14.8 (8)	4.6 (17)	87 (20)	1 (1)	96 (10)
99Y041	L	8620 (3)	14.1 (14)	4.7 (11)	83 (18)	5 (8)	98 (17)
99Y529	L	8450 (4)	14.5 (10)	4.6 (17)	81 (17)	1 (3)	99 (18)
99Y469	L	8250 (5)	13.2 (20)	4.6 (19)	77 (6)	9 (11)	88 (1)
M-205	M	7980 (6)	15.6 (5)	4.7 (13)	80 (15)	8 (9)	95 (6)
S-102	S	7950 (7)	13.4 (18)	4.7 (11)	75 (4)	34 (13)	97 (14)
M-206	M	7890 (8)	15.8 (4)	4.9 (2)	73 (2)	35 (14)	98 (16)
01Y327	SPQ	7810 (9)	13.5 (16)	4.8 (7)	78 (9)	9 (10)	91 (4)
L-204	L	7810 (10)	13.4 (17)	4.7 (15)	80 (14)	1 (1)	89 (2)
CH-201	SPQ	7740 (11)	13.4 (19)	4.9 (1)	79 (12)	44 (16)	90 (3)
03Y316	SPQ	7710 (12)	14.4 (12)	4.7 (13)	86 (19)	2 (5)	96 (8)
M-204	M	7560 (13)	15.3 (6)	4.8 (7)	79 (13)	10 (12)	96 (10)
M-207	M	7540 (14)	14.8 (8)	4.8 (4)	73 (1)	39 (15)	95 (6)
03Y680	M	7520 (15)	16.0 (3)	4.8 (7)	78 (10)	3 (6)	94 (5)
02Y816	M	7450 (16)	15.2 (7)	4.6 (16)	79 (11)	50 (19)	101 (20)
M-202	M	7350 (17)	14.4 (13)	4.8 (4)	77 (8)	48 (18)	96 (12)
03Y308	MPQ	7290 (18)	16.1 (2)	4.8 (7)	77 (6)	60 (21)	97 (13)
01Y185	SPQ	7220 (19)	13.1 (21)	4.6 (19)	74 (3)	45 (17)	96 (8)
CT-201	BAS	6900 (20)	13.8 (15)	4.9 (2)	81 (16)	5 (7)	109 (21)
CM-101	WX	6830 (21)	14.4 (11)	4.5 (21)	77 (5)	51 (20)	97 (14)
MEAN		7780	14.5	4.7	79	22	96
CV		8.6	6.8	3.2	2.4	82.2	4.4
LSD (.05)		950	1.4	0.2	3	25	6
<i>Preliminary Lines and Varieties</i>							
03Y496	LSR	9410 (1)	18.3 (1)	4.8 (14)	84 (27)	1 (1)	104 (28)
04Y105	REX	8960 (2)	15.4 (17)	4.9 (1)	84 (25)	1 (1)	96 (11)
04Y460	M	8700 (3)	16.4 (7)	4.7 (25)	81 (20)	13 (15)	97 (17)
03Y151	REX	8620 (4)	16.0 (11)	4.7 (17)	84 (25)	1 (1)	97 (15)
04Y165	SPQ	8530 (5)	15.5 (16)	4.6 (26)	82 (22)	38 (25)	92 (3)
04Y564	L	8510 (6)	15.2 (22)	4.9 (5)	85 (29)	2 (7)	99 (21)
01Y502	LSR	8400 (7)	16.6 (6)	4.5 (28)	83 (23)	1 (5)	97 (15)
04Y189	SPQ	8300 (8)	16.4 (7)	4.8 (14)	83 (23)	63 (28)	94 (7)
04Y524	JAS	8290 (9)	17.7 (2)	4.9 (1)	84 (27)	1 (6)	102 (26)
04Y314	MPQ	8240 (10)	15.9 (14)	4.8 (10)	77 (11)	64 (29)	101 (25)
04Y928	M	8160 (11)	14.6 (25)	4.8 (9)	75 (5)	10 (14)	96 (11)
04Y656	M	8070 (12)	16.8 (5)	4.7 (21)	80 (19)	19 (18)	99 (22)
04Y405	M	7920 (13)	16.1 (9)	4.7 (17)	79 (18)	3 (8)	93 (4)
04Y687	M	7900 (14)	16.0 (11)	4.7 (17)	82 (21)	4 (9)	98 (19)
04Y274	M	7840 (15)	14.4 (27)	4.8 (7)	76 (7)	4 (9)	94 (6)
04Y330	MPQ	7790 (16)	15.4 (17)	4.9 (3)	72 (2)	19 (19)	91 (2)
04Y280	M	7650 (17)	14.7 (24)	4.7 (21)	77 (11)	9 (12)	96 (13)
04Y294	M	7640 (18)	16.9 (4)	4.8 (14)	75 (6)	9 (12)	97 (17)
04Y905	M	7600 (19)	15.9 (13)	4.8 (10)	77 (10)	28 (21)	105 (29)
04Y173	SPQ	7590 (20)	14.2 (29)	4.7 (21)	74 (3)	5 (11)	89 (1)
03Y559	MPQ	7560 (21)	15.3 (21)	4.5 (27)	77 (9)	36 (24)	100 (23)
04Y288	M	7530 (22)	14.4 (26)	4.8 (10)	72 (1)	43 (27)	96 (13)
04Y387	M	7520 (23)	15.7 (15)	4.8 (10)	77 (8)	30 (23)	98 (20)
04Y1006	M	7330 (24)	15.4 (17)	4.9 (5)	74 (3)	14 (16)	95 (8)
03Y324	S	7270 (25)	13.6 (30)	4.3 (30)	77 (11)	28 (21)	96 (10)
04Y428	M	7240 (26)	17.0 (3)	4.7 (17)	79 (14)	15 (17)	102 (26)
04Y181	SPQ	7130 (27)	15.2 (23)	4.4 (29)	79 (17)	40 (26)	93 (5)
03Y295	MPQ	7060 (28)	15.3 (20)	4.7 (21)	79 (15)	21 (20)	95 (9)
04Y537	BAS	6860 (29)	14.3 (28)	4.8 (7)	79 (15)	1 (1)	101 (24)
04P3220	BAS	6240 (30)	16.1 (10)	4.9 (3)	86 (30)	69 (30)	111 (30)
MEAN		7860	15.7	4.7	79	19	97
CV		5.2	6	4.7	2.1	96.7	2.9
LSD (.05)		570	1.3		2	26	4

Planting date: May 23-24 and May 25-27 (reps 1&amp;2 and reps 3&amp;4 respectively).

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; JAS = Jasmine; 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. 2005 Early Rice Variety Test - Butte Co.\*

*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 (cm)
M-205	M	9740 (1)	23.7 (6)	5.0 (1)	85 (20)	14 (7)	97 (6)
03Y680	M	9280 (2)	22.1 (12)	5.0 (14)	80 (10)	21 (8)	93 (2)
99Y529	L	9220 (3)	20.2 (15)	5.0 (14)	78 (6)	35 (11)	101 (15)
99Y041	L	9190 (4)	19.2 (18)	5.0 (1)	80 (11)	1 (2)	99 (13)
M-202	M	8990 (5)	23.0 (8)	5.0 (1)	84 (18)	6 (6)	102 (16)
01Y655	REX	8900 (6)	20.1 (17)	5.0 (14)	88 (21)	1 (2)	97 (9)
01Y327	SPQ	8780 (7)	22.9 (9)	5.0 (14)	83 (14)	23 (9)	98 (11)
M-204	M	8690 (8)	23.7 (7)	5.0 (1)	83 (15)	38 (12)	97 (7)
L-205	REX	8620 (9)	18.8 (20)	5.0 (1)	84 (17)	34 (10)	95 (3)
L-204	L	8610 (10)	19.1 (19)	5.0 (14)	79 (8)	1 (1)	91 (1)
99Y469	L	8580 (11)	20.2 (16)	5.0 (1)	77 (5)	68 (17)	95 (3)
02Y816	M	8450 (12)	24.0 (4)	5.0 (1)	78 (7)	65 (16)	106 (20)
M-207	M	8270 (13)	22.4 (10)	5.0 (1)	77 (4)	84 (20)	107 (21)
03Y308	MPQ	8240 (14)	23.8 (5)	5.0 (14)	80 (13)	64 (15)	96 (5)
03Y316	SPQ	7960 (15)	24.4 (3)	5.0 (20)	84 (16)	1 (2)	97 (9)
01Y185	SPQ	7950 (16)	22.2 (11)	5.0 (20)	79 (9)	42 (13)	99 (13)
CM-101	SW	7820 (17)	20.7 (14)	5.0 (1)	74 (2)	70 (19)	97 (8)
S-102	S	7520 (18)	20.9 (13)	5.0 (1)	71 (1)	68 (17)	104 (19)
CH-201	SPQ	7100 (19)	26.0 (1)	5.0 (1)	80 (11)	97 (21)	99 (12)
M-206	M	7010 (20)	25.6 (2)	5.0 (1)	74 (3)	58 (14)	102 (17)
CT-201	BAS	6550 (21)	16.6 (21)	5.0 (1)	84 (18)	1 (2)	103 (18)
MEAN		8350	21.9	5.0	80	38	99
CV		7.7	6.1	0.7	1.3	63.3	2.9
LSD (.05)		910	1.9		1	34	4

*Preliminary Lines and Varieties*

04Y687	M	9680 (1)	24.1 (7)	4.9 (27)	85 (21)	1 (1)	102 (21)
04Y656	M	9490 (2)	22.1 (18)	5.0 (15)	85 (21)	60 (24)	103 (25)
03Y496	LSR	9320 (3)	20.4 (27)	5.0 (15)	86 (25)	1 (1)	103 (22)
04Y405	M	8950 (4)	23.2 (14)	5.0 (15)	82 (16)	1 (1)	99 (13)
04Y314	MPQ	8890 (5)	22.8 (16)	5.0 (15)	80 (13)	60 (23)	99 (15)
04Y280	M	8480 (6)	23.6 (10)	5.0 (1)	78 (10)	60 (24)	103 (22)
04Y105	REX	8480 (7)	21.0 (26)	5.0 (15)	86 (25)	1 (1)	102 (20)
04Y460	M	8350 (8)	25.2 (4)	5.0 (1)	85 (21)	1 (1)	97 (9)
03Y151	REX	8310 (9)	21.6 (23)	5.0 (1)	88 (27)	1 (1)	94 (3)
04Y564	L	8290 (10)	22.7 (17)	5.0 (15)	92 (29)	1 (1)	97 (7)
04Y428	M	8160 (11)	25.0 (5)	4.9 (25)	85 (21)	50 (20)	97 (9)
04Y537	BAS	8050 (12)	16.7 (30)	5.0 (1)	74 (4)	1 (1)	107 (28)
03Y295	MPQ	8040 (13)	27.4 (2)	5.0 (1)	84 (20)	75 (28)	103 (22)
04Y294	M	7640 (14)	23.1 (15)	5.0 (1)	72 (2)	6 (15)	100 (16)
03Y324	S	7630 (15)	21.5 (24)	4.8 (29)	77 (7)	1 (1)	95 (5)
04Y274	M	7610 (16)	23.5 (11)	5.0 (1)	78 (10)	50 (20)	101 (19)
04Y387	M	7580 (17)	24.1 (9)	5.0 (15)	82 (16)	1 (1)	107 (29)
03Y559	MPQ	7380 (18)	26.8 (3)	5.0 (15)	80 (12)	94 (30)	100 (17)
04Y905	M	6970 (19)	23.4 (12)	4.9 (27)	81 (14)	1 (1)	104 (27)
04Y524	JAS	6800 (20)	21.6 (22)	5.0 (15)	88 (27)	1 (1)	100 (17)
04Y173	SPQ	6540 (21)	21.8 (21)	4.8 (29)	78 (8)	1 (1)	94 (4)
01Y502	LSR	6530 (22)	20.2 (29)	4.9 (25)	82 (16)	11 (16)	88 (2)
04Y928	M	6430 (23)	21.1 (25)	5.0 (1)	74 (4)	35 (18)	103 (25)
04Y288	M	6120 (24)	24.7 (6)	5.0 (1)	74 (4)	50 (20)	98 (12)
04Y165	SPQ	5940 (25)	23.3 (13)	5.0 (15)	83 (19)	45 (19)	97 (7)
04Y181	SPQ	5620 (26)	27.5 (1)	5.0 (1)	78 (8)	88 (29)	99 (13)
04Y1006	M	5450 (27)	20.3 (28)	5.0 (1)	73 (3)	1 (1)	97 (9)
04Y189	SPQ	5370 (28)	22.1 (19)	5.0 (1)	81 (14)	60 (24)	96 (6)
04Y330	MPQ	2850 (29)	21.8 (20)	5.0 (1)	71 (1)	15 (17)	86 (1)
04P3220	BAS	2710 (30)	24.1 (8)	5.0 (1)	92 (29)	60 (24)	109 (30)
MEAN		7260	22.9	5.0	81	28	99
CV		14	6.7	1.1	1.6	81.5	2.9
LSD (.05)		2080	3.1	0.1	3	46	6

Planting date: June 4, Harvest date: October 31

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; JAS = Jasmine; 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.

\* Yield data best estimate due to heavy bird damage.

Table 11. 2005 Early Rice Variety Test -Yuba Co.

*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 (cm)
M-205	M	8150 (1)	23.4 (4)	5.0 (6)	79 (17)	12 (10)	100 (6)
01Y655	REX	7960 (2)	18.1 (16)	4.9 (12)	81 (20)	1 (1)	108 (20)
M-204	M	7950 (3)	22.3 (11)	5.0 (6)	78 (15)	18 (12)	101 (11)
99Y469	L	7910 (4)	17.4 (20)	4.9 (12)	76 (8)	1 (1)	97 (2)
99Y041	L	7880 (5)	18.8 (15)	4.9 (12)	81 (21)	9 (9)	106 (19)
02Y816	M	7870 (6)	23.0 (6)	5.0 (1)	78 (13)	33 (13)	104 (18)
01Y185	SPQ	7860 (7)	20.6 (13)	4.9 (15)	74 (3)	61 (17)	103 (15)
M-206	M	7670 (8)	22.6 (9)	5.0 (6)	75 (4)	13 (11)	102 (14)
S-102	S	7630 (9)	19.4 (14)	4.9 (17)	70 (1)	43 (15)	104 (16)
01Y327	SPQ	7550 (10)	25.3 (2)	4.9 (17)	77 (11)	38 (14)	99 (4)
99Y529	L	7500 (11)	17.4 (19)	5.0 (10)	78 (15)	1 (1)	101 (13)
L-205	REX	7490 (12)	17.5 (18)	5.0 (1)	79 (17)	1 (1)	101 (12)
CH-201	SPQ	7470 (13)	23.2 (5)	5.0 (6)	76 (8)	83 (21)	97 (1)
03Y308	MPQ	7420 (14)	25.0 (3)	4.8 (20)	76 (6)	66 (18)	101 (10)
03Y316	SPQ	7320 (15)	22.8 (7)	4.8 (20)	80 (19)	3 (8)	100 (9)
03Y680	M	7220 (16)	22.6 (8)	4.9 (17)	77 (10)	1 (1)	100 (8)
L-204	L	7190 (17)	17.8 (17)	5.0 (10)	78 (12)	1 (1)	97 (2)
CM-101	SW	7190 (18)	21.8 (12)	4.9 (15)	72 (2)	53 (16)	100 (6)
M-207	M	7140 (19)	22.3 (10)	5.0 (1)	75 (4)	68 (19)	99 (4)
CT-201	BAS	7110 (20)	16.1 (21)	5.0 (1)	78 (13)	1 (1)	112 (21)
M-202	M	7100 (21)	25.3 (1)	5.0 (1)	76 (6)	70 (20)	104 (16)
MEAN		7550	21.1	4.9	77	27	101
CV		5.2	5.6	1.3	1	66.1	2.7
LSD (.05)		550	1.7	0.1	1	26	4

*Preliminary Lines and Varieties*

04Y460	M	8140 (1)	23.9 (6)	5.0 (9)	79 (20)	3 (13)	100 (13)
01Y502	LSR	8080 (2)	19.5 (26)	4.9 (18)	78 (18)	1 (1)	101 (15)
04Y656	M	8030 (3)	26.1 (1)	5.0 (9)	79 (20)	55 (23)	103 (22)
04Y564	L	7840 (4)	19.2 (28)	5.0 (1)	79 (23)	8 (14)	102 (16)
03Y496	LSR	7820 (5)	21.6 (21)	4.8 (29)	83 (30)	1 (1)	105 (25)
04Y280	M	7800 (6)	22.2 (18)	5.0 (9)	76 (11)	8 (16)	106 (27)
04Y105	REX	7790 (7)	19.2 (27)	5.0 (1)	81 (26)	1 (1)	102 (16)
04Y687	M	7770 (8)	23.2 (11)	5.0 (9)	81 (26)	1 (1)	104 (24)
03Y151	REX	7690 (9)	19.0 (29)	5.0 (1)	80 (24)	1 (1)	98 (5)
04Y189	SPQ	7580 (10)	23.4 (9)	4.9 (26)	78 (17)	83 (27)	98 (5)
04Y524	JAS	7520 (11)	21.1 (24)	5.0 (9)	82 (28)	1 (1)	109 (29)
04Y428	M	7510 (12)	22.3 (17)	5.0 (1)	77 (15)	1 (1)	100 (13)
04Y274	M	7500 (13)	23.7 (8)	4.9 (26)	77 (15)	30 (18)	99 (7)
04Y165	SPQ	7440 (14)	22.5 (16)	4.9 (18)	79 (20)	40 (21)	96 (3)
04Y288	M	7440 (15)	21.5 (22)	5.0 (1)	75 (8)	60 (24)	100 (11)
04Y405	M	7420 (16)	21.8 (19)	4.9 (18)	80 (24)	1 (1)	102 (19)
04Y314	MPQ	7360 (17)	23.7 (7)	4.9 (18)	75 (8)	85 (28)	98 (4)
03Y324	S	7270 (18)	22.6 (15)	4.8 (28)	75 (7)	20 (17)	102 (19)
04Y928	M	7150 (19)	20.2 (25)	5.0 (9)	74 (5)	1 (1)	99 (7)
03Y295	MPQ	7120 (20)	22.7 (14)	4.9 (18)	78 (18)	30 (18)	102 (16)
04Y387	M	7110 (21)	25.3 (5)	5.0 (9)	76 (11)	60 (24)	103 (23)
04Y330	MPQ	7100 (22)	21.3 (23)	5.0 (9)	71 (1)	50 (22)	92 (1)
04Y294	M	7090 (23)	23.2 (10)	5.0 (1)	71 (3)	1 (1)	102 (19)
04Y905	M	6940 (24)	23.1 (12)	5.0 (1)	73 (4)	36 (20)	107 (28)
04Y173	SPQ	6840 (25)	23.0 (13)	4.8 (29)	74 (6)	8 (14)	95 (2)
04Y1006	M	6830 (26)	21.7 (20)	5.0 (9)	71 (1)	1 (1)	99 (7)
03Y559	MPQ	6770 (27)	26.0 (2)	4.9 (18)	77 (13)	60 (24)	100 (11)
04Y537	BAS	6550 (28)	15.5 (30)	4.9 (18)	77 (13)	1 (1)	105 (25)
04Y181	SPQ	6150 (29)	25.9 (3)	4.9 (18)	75 (8)	95 (30)	99 (7)
04P3220	BAS	5600 (30)	25.5 (4)	5.0 (1)	83 (29)	90 (29)	111 (30)
MEAN		7310	22.3	4.9	77	28	101
CV		5.8	6.1	1.6	1.1	66	2.9
LSD (.05)		860	2.8		2	37	6

Planting date: May 20, Harvest date: October 1

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; JAS = Jasmine; 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. 2005 Early Rice Variety Test -Colusa Co.

*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 (cm)
M-205	M	9330 (1)	20.9 (5)	5.0 (1)	93 (20)	50 (7)	105 (10)
99Y529	L	9310 (2)	15.1 (21)	4.9 (14)	91 (13)	63 (14)	107 (17)
M-204	M	8840 (3)	20.8 (6)	5.0 (10)	92 (15)	26 (2)	106 (14)
01Y655	REX	8690 (4)	16.2 (16)	5.0 (10)	95 (21)	72 (16)	110 (20)
L-205	REX	8570 (5)	15.6 (19)	5.0 (10)	92 (17)	90 (20)	105 (10)
L-204	L	8520 (6)	15.7 (18)	4.9 (18)	92 (15)	60 (13)	101 (3)
03Y680	M	8490 (7)	19.9 (9)	4.8 (20)	90 (8)	71 (15)	104 (7)
03Y308	MPQ	8460 (8)	20.0 (8)	4.8 (19)	90 (9)	26 (2)	103 (6)
99Y041	L	8410 (9)	18.2 (13)	5.0 (1)	93 (19)	96 (21)	107 (15)
99Y469	L	8230 (10)	15.2 (20)	4.9 (14)	87 (5)	50 (8)	98 (1)
M-206	M	8160 (11)	22.4 (1)	5.0 (1)	87 (4)	48 (6)	104 (8)
03Y316	SPQ	8040 (12)	22.0 (2)	4.9 (17)	91 (11)	50 (8)	105 (10)
M-202	M	8030 (13)	21.3 (4)	5.0 (8)	91 (11)	26 (2)	110 (19)
02Y816	M	8030 (14)	19.5 (10)	5.0 (1)	90 (9)	75 (19)	109 (18)
M-207	M	7790 (15)	18.4 (12)	5.0 (1)	88 (6)	26 (2)	107 (15)
01Y327	SPQ	7670 (16)	20.2 (7)	4.7 (21)	88 (6)	50 (8)	106 (13)
CH-201	SPQ	7580 (17)	17.6 (15)	5.0 (1)	91 (14)	50 (8)	105 (9)
CT-201	BAS	7330 (18)	15.8 (17)	5.0 (1)	93 (18)	72 (17)	112 (21)
S-102	S	6970 (19)	18.1 (14)	4.9 (13)	81 (1)	18 (1)	100 (2)
01Y185	SPQ	6620 (20)	21.8 (3)	5.0 (8)	84 (2)	74 (18)	102 (5)
CM-101	WX	6470 (21)	19.1 (11)	4.9 (14)	84 (3)	50 (8)	101 (4)
MEAN		8070	18.8	4.9	90	54	105
CV		9.8	6.4	2.3	1	83.7	3.8
LSD (.05)		1120	1.7	0.2	1		6

*Preliminary Lines and Varieties*

03Y496	LSR	9520 (1)	17.4 (25)	4.7 (29)	94 (26)	3 (9)	108 (26)
03Y151	REX	9370 (2)	17.3 (26)	4.7 (30)	95 (30)	1 (1)	107 (24)
01Y502	LSR	9260 (3)	15.8 (27)	4.8 (23)	92 (22)	23 (10)	102 (12)
04Y687	M	8980 (4)	19.8 (9)	5.0 (1)	94 (26)	78 (23)	105 (18)
04Y405	M	8760 (5)	19.2 (15)	5.0 (9)	90 (14)	33 (11)	104 (17)
04Y274	M	8680 (6)	19.3 (14)	5.0 (9)	90 (14)	85 (25)	97 (1)
04Y656	M	8590 (7)	20.2 (5)	5.0 (9)	92 (22)	50 (18)	99 (6)
04Y460	M	8370 (8)	20.0 (7)	4.9 (17)	91 (19)	75 (21)	103 (15)
04Y280	M	8290 (9)	19.1 (17)	4.9 (17)	90 (14)	1 (1)	107 (24)
04Y564	L	8240 (10)	15.5 (28)	4.8 (23)	95 (28)	97 (29)	105 (18)
03Y559	MPQ	8020 (11)	19.6 (10)	4.9 (17)	90 (14)	48 (14)	105 (18)
04Y294	M	7950 (12)	19.2 (16)	5.0 (9)	86 (6)	75 (21)	98 (5)
04Y330	MPQ	7890 (13)	18.7 (19)	5.0 (9)	84 (2)	50 (18)	97 (1)
03Y324	S	7880 (14)	18.8 (18)	4.8 (23)	84 (1)	85 (25)	101 (10)
04Y428	M	7850 (15)	20.2 (4)	5.0 (9)	91 (21)	48 (14)	103 (15)
04Y165	SPQ	7740 (16)	19.5 (11)	4.9 (17)	88 (11)	1 (1)	97 (3)
04Y905	M	7650 (17)	18.3 (20)	5.0 (1)	87 (9)	1 (1)	110 (27)
04Y105	REX	7590 (18)	18.1 (21)	5.0 (1)	95 (28)	41 (12)	110 (28)
04Y1006	M	7560 (19)	18.1 (22)	4.8 (23)	86 (6)	88 (27)	97 (3)
04Y288	M	7540 (20)	19.9 (8)	5.0 (1)	88 (10)	50 (18)	102 (14)
04Y524	JAS	7520 (21)	20.0 (6)	5.0 (1)	93 (25)	83 (24)	113 (29)
04Y189	SPQ	7390 (22)	19.4 (13)	5.0 (1)	91 (19)	1 (1)	106 (23)
04Y387	M	7360 (23)	20.8 (3)	5.0 (1)	88 (11)	95 (28)	105 (18)
03Y295	MPQ	7250 (24)	17.9 (23)	4.9 (17)	90 (14)	1 (1)	101 (11)
04Y173	SPQ	7210 (25)	22.5 (1)	5.0 (9)	84 (2)	97 (29)	102 (12)
04Y314	MPQ	7210 (26)	19.5 (12)	5.0 (9)	89 (13)	1 (1)	100 (9)
04Y928	M	6910 (27)	17.9 (24)	4.8 (23)	86 (6)	48 (14)	99 (6)
04Y537	BAS	6710 (28)	13.8 (30)	4.9 (17)	85 (5)	41 (12)	106 (22)
04Y181	SPQ	6580 (29)	22.3 (2)	4.8 (23)	84 (2)	48 (14)	99 (8)
04P3220	BAS	5530 (30)	14.2 (29)	5.0 (1)	92 (24)	1 (1)	116 (30)
MEAN		7850	18.7	4.9	89	45	103
CV		7.1	4.8	3.2	2	73.8	3.7
LSD (.05)		1140	1.8		4	68	8

Planting date: May 5, Harvest date: October 4

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; JAS = Jasmine; 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 13. 2005 Early Rice Variety Tests - Three Location Yield (lb/ac @ 14% moisture) Summary.

<i>Advanced Lines and Varieties</i>					
Variety	Grain Type	Average	Biggs RES	Yuba Quad 4	Colusa Canal Ranch
01Y655	REX	8490 ( 1)	8820 ( 1)	7960 ( 2)	8690 ( 4)
M-205	M	8490 ( 2)	7980 ( 6)	8150 ( 1)	9330 ( 1)
99Y529	L	8420 ( 3)	8450 ( 4)	7500 (11)	9310 ( 2)
99Y041	L	8300 ( 4)	8620 ( 3)	7880 ( 5)	8410 ( 9)
L-205	REX	8270 ( 5)	8760 ( 2)	7490 (12)	8570 ( 5)
99Y469	L	8130 ( 6)	8250 ( 5)	7910 ( 4)	8230 (10)
M-204	M	8120 ( 7)	7560 (13)	7950 ( 3)	8840 ( 3)
M-206	M	7910 ( 8)	7890 ( 8)	7670 ( 8)	8160 (11)
L-204	L	7840 ( 9)	7810 (10)	7190 (17)	8520 ( 6)
02Y816	M	7780 (10)	7450 (16)	7870 ( 6)	8030 (14)
03Y680	M	7740 (11)	7520 (15)	7220 (16)	8490 ( 7)
03Y308	MPQ	7720 (12)	7290 (18)	7420 (14)	8460 ( 8)
03Y316	SPQ	7690 (13)	7710 (12)	7320 (15)	8040 (12)
01Y327	SPQ	7680 (14)	7810 ( 9)	7550 (10)	7670 (16)
CH-201	SPQ	7600 (15)	7740 (11)	7470 (13)	7580 (17)
S-102	S	7520 (16)	7950 ( 7)	7630 ( 9)	6970 (19)
M-202	M	7500 (17)	7350 (17)	7100 (21)	8030 (13)
M-207	M	7490 (18)	7540 (14)	7140 (19)	7790 (15)
01Y185	SPQ	7230 (19)	7220 (19)	7860 ( 7)	6620 (20)
CT-201	BAS	7110 (20)	6900 (20)	7110 (20)	7330 (18)
CM-101	WX	6830 (21)	6830 (21)	7190 (18)	6470 (21)
MEAN		7800	7780	7550	8070
CV		8.2	8.6	5.2	9.8
LSD (.05)		520	950	550	1120
<i>Preliminary Lines and Varieties</i>					
03Y496	LSR	8920 ( 1)	9410 ( 1)	7820 ( 5)	9520 ( 1)
01Y502	LSR	8580 ( 2)	8400 ( 7)	8080 ( 2)	9260 ( 3)
03Y151	REX	8560 ( 3)	8620 ( 4)	7690 ( 9)	9370 ( 2)
04Y460	M	8400 ( 4)	8700 ( 3)	8140 ( 1)	8370 ( 8)
04Y656	M	8230 ( 5)	8070 (12)	8030 ( 3)	8590 ( 7)
04Y687	M	8220 ( 6)	7900 (14)	7770 ( 8)	8980 ( 4)
04Y564	L	8200 ( 7)	8510 ( 6)	7840 ( 4)	8240 (10)
04Y105	REX	8120 ( 8)	8960 ( 2)	7790 ( 7)	7590 (18)
04Y405	M	8030 ( 9)	7920 (13)	7420 (16)	8760 ( 5)
04Y274	M	8010 (10)	7840 (15)	7500 (13)	8680 ( 6)
04Y280	M	7910 (11)	7650 (17)	7800 ( 6)	8290 ( 9)
04Y165	SPQ	7900 (12)	8530 ( 5)	7440 (14)	7740 (16)
04Y524	JAS	7780 (13)	8290 ( 9)	7520 (11)	7520 (21)
04Y189	SPQ	7760 (14)	8300 ( 8)	7580 (10)	7390 (22)
04Y314	MPQ	7600 (15)	8240 (10)	7360 (17)	7210 (26)
04Y330	MPQ	7600 (16)	7790 (16)	7100 (22)	7890 (13)
04Y294	M	7560 (17)	7640 (18)	7090 (23)	7950 (12)
04Y428	M	7540 (18)	7240 (26)	7510 (12)	7850 (15)
04Y288	M	7500 (19)	7530 (22)	7440 (15)	7540 (20)
03Y324	S	7470 (20)	7270 (25)	7270 (18)	7880 (14)
03Y559	MPQ	7450 (21)	7560 (21)	6770 (27)	8020 (11)
04Y928	M	7410 (22)	8160 (11)	7150 (19)	6910 (27)
04Y905	M	7400 (23)	7600 (19)	6940 (24)	7650 (17)
04Y387	M	7330 (24)	7520 (23)	7110 (21)	7360 (23)
04Y1006	M	7240 (25)	7330 (24)	6830 (26)	7560 (19)
04Y173	SPQ	7220 (26)	7590 (20)	6840 (25)	7210 (25)
03Y295	MPQ	7140 (27)	7060 (28)	7120 (20)	7250 (24)
04Y537	BAS	6710 (28)	6860 (29)	6550 (28)	6710 (28)
04Y181	SPQ	6620 (29)	7130 (27)	6150 (29)	6580 (29)
04P3220	BAS	5790 (30)	6240 (30)	5600 (30)	5530 (30)
MEAN		7720	7860	7310	7850
CV		5.8	5.2	5.8	7.1
LSD (.05)		440	570	860	1140

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy; REX = Newrex; JAS = Jasmine; SR = stem rot resistant.

Numbers in parentheses indicate relative rank in column.

\* Butte not included due to heavy bird damage.

Table 14. Grain Yield (lb/acre @14% moisture) Summary of Early Rice Varieties by Location and Year (2001-2005) \*

Location	Year	Calhikari				Calmati		
		201	<b>M-202</b>	M-204	M-205	M-206	201	L-205
Biggs (RES)	2001	9290	<b>9300</b>	9880	10180	9290	8280	10320
	2002	8910	<b>10620</b>	10180	11230	10210	9040	10890
	2003	8310	<b>8530</b>	9280	9860	8320	7910	9290
	2004	8120	<b>9500</b>	9590	10270	9650	8500	9810
	2005	7740	<b>7350</b>	7560	7980	7890	6900	8760
Location Mean		8474	<b>9060</b>	9298	9904	9072	8126	9814
Butte	2001	8491	<b>8939</b>	8917	9202	8983	7440	8141
	2002	8677	<b>9333</b>	9683	9913	9858	8086	9191
	2003	6828	<b>8294</b>	8907	9257	8808	6379	8283
	2004	8200	<b>8990</b>	8800	9490	8800	7380	8060
	2005	-	-	-	-	-	-	-
Location Mean		8049	<b>8889</b>	9077	9465	9112	7321	8419
Colusa	2001	9069	<b>9801</b>	10262	10418	10397	7050	9331
	2002	8452	<b>9247</b>	9362	10136	9592	8065	9697
	2003	7762	<b>9205</b>	9383	10010	8389	7981	8713
	2004	9570	<b>10330</b>	10830	10750	10200	8440	10450
	2005	7580	<b>8030</b>	8840	9330	8160	7330	8570
Location Mean		8486	<b>9323</b>	9735	10129	9348	7773	9352
Yuba	2001	7667	<b>8169</b>	8326	8128	8609	5889	7835
	2002	8609	<b>9456</b>	7866	8598	9948	7103	8431
	2003	8389	<b>8305</b>	8190	9027	8504	7186	7897
	2004	8240	<b>9850</b>	9050	9120	9960	6720	8510
	2005	7470	<b>7100</b>	7950	8150	7670	7110	7490
Location Mean		8075	<b>8576</b>	8277	8605	8938	6802	8033
Loc/Years Mean		8283	<b>8966</b>	9098	9529	9118	7515	8930
<b>Yield % M-202</b>		<b>92.4</b>	<b>100</b>	<b>101.5</b>	<b>106.3</b>	<b>101.7</b>	<b>83.8</b>	<b>99.6</b>
Number of Tests		19	<b>19</b>	19	19	19	19	19

\* 2000-2003 yields for Butte, Colusa, and Yuba were converted to represent the 2004 harvested plot area of 143.4 square feet.

Table 15. 2005 Intermediate/Late Rice Variety Test - 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 (cm)
03Y151	REX	10630 (1)	16.1 (9)	4.8 (8)	91 (11)	4 (2)	98 (4)
04Y706	L	10530 (2)	16.7 (5)	4.7 (13)	88 (8)	4 (2)	101 (7)
01Y501	LSR	10340 (3)	16.6 (6)	4.8 (12)	89 (9)	4 (2)	103 (10)
03Y576	SSR	9940 (4)	18.1 (2)	4.7 (13)	97 (13)	1 (1)	96 (2)
04Y622	MPQ	9270 (5)	16.5 (7)	4.8 (8)	84 (4)	15 (7)	96 (2)
03Y818	M	9230 (6)	16.5 (7)	4.8 (8)	87 (6)	65 (11)	99 (6)
03Y559	MPQ	9140 (7)	16.1 (9)	4.8 (8)	83 (2)	83 (12)	105 (11)
L-205	REX	9110 (8)	14.5 (12)	4.9 (5)	94 (12)	13 (6)	98 (4)
M-205	M	9110 (9)	17.5 (3)	4.9 (5)	90 (10)	28 (9)	101 (8)
M-202	M	8610 (10)	16.8 (4)	4.9 (1)	86 (5)	93 (13)	109 (14)
M-402	MPQ	8570 (11)	20.8 (1)	4.9 (1)	106 (14)	4 (5)	106 (12)
03Y324	S	8570 (12)	14.6 (11)	4.9 (5)	82 (1)	25 (8)	102 (9)
CT-201	BAS	7690 (13)	13.6 (14)	4.9 (1)	87 (6)	28 (9)	108 (13)
CH-201	SPQ	7590 (14)	14.4 (13)	4.9 (1)	83 (2)	97 (14)	95 (1)
MEAN		9170	16.3	4.8	89	33	101
CV		8.8	9.3	0.8	0.7	20.3	3.4
LSD (.05)		1740	3.3	0.1	1	14	7

*Preliminary Lines and Varieties*

04Y404	M	9980 (1)	16.4 (4)	4.8 (10)	86 (9)	25 (13)	104 (13)
04Y704	LSR	9860 (2)	15.6 (11)	4.7 (16)	94 (17)	1 (1)	93 (3)
04Y638	SSR	9520 (3)	17.1 (2)	4.7 (16)	97 (20)	2 (2)	90 (1)
99Y041	L	9380 (4)	15.2 (14)	4.8 (14)	96 (18)	5 (5)	104 (13)
04Y208	SSR	9230 (5)	14.0 (18)	4.7 (16)	85 (8)	4 (3)	92 (2)
99Y529	L	9180 (6)	14.0 (17)	4.7 (16)	86 (10)	10 (7)	104 (15)
04Y625	MPQ	9170 (7)	16.9 (3)	4.8 (10)	87 (11)	13 (8)	103 (12)
04Y842	M	9140 (8)	15.8 (9)	5.0 (2)	80 (3)	63 (18)	108 (20)
04Y413	M	9110 (9)	17.2 (1)	4.8 (14)	88 (16)	15 (9)	105 (16)
04Y660	M	9110 (10)	16.2 (7)	4.9 (7)	87 (11)	9 (6)	99 (7)
04Y997	M	8660 (11)	16.1 (8)	4.9 (4)	82 (4)	18 (11)	107 (17)
99Y494	LWX	8650 (12)	14.8 (15)	4.9 (7)	96 (18)	4 (3)	96 (4)
04Y662	M	8630 (13)	16.4 (5)	4.8 (10)	87 (13)	25 (13)	101 (9)
02Y321	MPQ	8080 (14)	15.5 (12)	4.9 (7)	87 (13)	60 (17)	107 (17)
04Y683	M	7990 (15)	16.4 (5)	4.9 (4)	87 (13)	28 (15)	99 (8)
99Y469	L	7900 (16)	13.4 (20)	4.7 (20)	82 (4)	35 (16)	97 (5)
04Y1007	M	7640 (17)	14.5 (16)	5.0 (2)	79 (2)	15 (9)	102 (11)
04Y419	M	7470 (18)	15.7 (10)	5.0 (1)	84 (6)	20 (12)	102 (10)
04Y153	BAS	6860 (19)	13.6 (19)	4.8 (10)	84 (7)	70 (19)	98 (6)
04Y823	M	6550 (20)	15.4 (13)	4.9 (4)	77 (1)	70 (19)	108 (19)
MEAN		8600	15.5	4.8	86	24	101
CV		9	5.1	1.3	2.5	38.9	3.1
LSD (.05)		1630	1.6	0.1	5	20	7

Planting date: May 23-24 and May 25-27 (reps 1&2 and reps 3&4 respectively).

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 16. 2005 Intermediate/Late Rice Variety Test - Glenn Co.

*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 (cm)
M-402	MPQ	9040 (1)	17.6 (1)	5.0 (1)	104 (14)	20 (13)	102 (12)
03Y576	SSR	8660 (2)	16.1 (2)	4.4 (13)	92 (13)	1 (1)	100 (9)
M-202	M	8430 (3)	14.5 (7)	4.9 (6)	87 (2)	15 (12)	102 (11)
01Y501	LSR	8250 (4)	12.4 (11)	4.3 (14)	88 (7)	1 (1)	98 (5)
03Y818	M	8240 (5)	14.9 (3)	4.9 (7)	87 (2)	13 (11)	99 (8)
M-205	M	8190 (6)	14.7 (4)	5.0 (5)	89 (9)	1 (1)	96 (3)
03Y151	REX	8030 (7)	11.9 (12)	4.7 (12)	88 (7)	1 (1)	101 (10)
04Y706	L	7980 (8)	11.8 (13)	4.8 (10)	91 (10)	1 (1)	99 (7)
03Y324	S	7920 (9)	13.8 (8)	4.9 (8)	86 (1)	1 (1)	98 (5)
CH-201	SPQ	7770 (10)	13.4 (9)	5.0 (1)	87 (2)	24 (14)	97 (4)
L-205	REX	7510 (11)	12.5 (10)	5.0 (4)	92 (12)	1 (1)	96 (2)
03Y559	MPQ	7490 (12)	14.5 (5)	4.9 (8)	87 (2)	3 (10)	102 (12)
04Y622	MPQ	7270 (13)	14.5 (6)	4.7 (11)	87 (6)	1 (1)	91 (1)
CT-201	BAS	6620 (14)	11.5 (14)	5.0 (1)	91 (11)	1 (1)	104 (14)
MEAN		7960	13.9	4.8	90	6	99
CV		4.4	2	3.8	0.4	157.1	2.7
LSD (.05)		500	0.4	0.3	1	14	4

*Preliminary Lines and Varieties*

99Y494	LW	8350 (1)	11.4 (20)	5.0 (1)	91 (16)	1 (1)	92 (4)
04Y842	M	8160 (2)	14.7 (8)	5.0 (1)	86 (4)	1 (1)	107 (20)
99Y529	L	8000 (3)	11.6 (19)	4.9 (12)	88 (9)	1 (1)	104 (18)
04Y413	M	7880 (4)	14.9 (3)	4.9 (12)	89 (14)	1 (1)	98 (11)
04Y683	M	7620 (5)	14.8 (6)	5.0 (1)	88 (9)	1 (1)	96 (7)
99Y041	L	7570 (6)	12.4 (17)	5.0 (1)	89 (13)	1 (1)	102 (16)
99Y469	L	7570 (7)	12.1 (18)	4.8 (16)	87 (5)	1 (1)	88 (1)
04Y404	M	7560 (8)	14.8 (5)	5.0 (1)	87 (5)	1 (1)	98 (11)
04Y823	M	7490 (9)	14.7 (9)	5.0 (1)	84 (1)	1 (1)	99 (15)
04Y662	M	7430 (10)	14.8 (4)	5.0 (1)	87 (5)	1 (1)	98 (13)
04Y638	SSR	7240 (11)	15.9 (1)	4.4 (20)	95 (20)	1 (1)	97 (9)
04Y660	M	7230 (12)	15.1 (2)	4.8 (17)	91 (17)	1 (1)	95 (5)
02Y321	MPQ	7190 (13)	14.7 (7)	4.9 (12)	90 (15)	15 (20)	104 (17)
04Y419	M	7160 (14)	14.0 (14)	5.0 (1)	87 (5)	1 (1)	95 (6)
04Y208	SSR	7020 (15)	14.4 (12)	4.5 (19)	88 (9)	1 (1)	89 (2)
04Y1007	M	6760 (16)	14.1 (13)	5.0 (1)	84 (1)	1 (1)	97 (9)
04Y997	M	6690 (17)	14.4 (11)	5.0 (11)	85 (3)	1 (1)	105 (19)
04Y625	MPQ	6690 (18)	14.6 (10)	5.0 (1)	91 (17)	1 (1)	98 (13)
04Y704	LSR	6680 (19)	13.1 (16)	4.6 (18)	94 (19)	1 (1)	92 (3)
04Y153	BAS	5160 (20)	13.3 (15)	4.9 (12)	88 (12)	3 (19)	96 (7)
MEAN		7270	14.0	4.9	88	2	97
CV		6.6	2.3	3.2	0.6	92.9	2.9
LSD (.05)		1010	0.7	0.3	1	3	6

Planting date: May 4, Harvest date: October, 17

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 17. 2005 Intermediate/Late Rice Variety Test - Glenn Co.

*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 (cm)
M-402	MPQ	9040 (1)	17.6 (1)	5.0 (1)	104 (14)	20 (13)	102 (12)
03Y576	SSR	8660 (2)	16.1 (2)	4.4 (13)	92 (13)	1 (1)	100 (9)
M-202	M	8430 (3)	14.5 (7)	4.9 (6)	87 (2)	15 (12)	102 (11)
01Y501	LSR	8250 (4)	12.4 (11)	4.3 (14)	88 (7)	1 (1)	98 (5)
03Y818	M	8240 (5)	14.9 (3)	4.9 (7)	87 (2)	13 (11)	99 (8)
M-205	M	8190 (6)	14.7 (4)	5.0 (5)	89 (9)	1 (1)	96 (3)
03Y151	REX	8030 (7)	11.9 (12)	4.7 (12)	88 (7)	1 (1)	101 (10)
04Y706	L	7980 (8)	11.8 (13)	4.8 (10)	91 (10)	1 (1)	99 (7)
03Y324	S	7920 (9)	13.8 (8)	4.9 (8)	86 (1)	1 (1)	98 (5)
CH-201	SPQ	7770 (10)	13.4 (9)	5.0 (1)	87 (2)	24 (14)	97 (4)
L-205	REX	7510 (11)	12.5 (10)	5.0 (4)	92 (12)	1 (1)	96 (2)
03Y559	MPQ	7490 (12)	14.5 (5)	4.9 (8)	87 (2)	3 (10)	102 (12)
04Y622	MPQ	7270 (13)	14.5 (6)	4.7 (11)	87 (6)	1 (1)	91 (1)
CT-201	BAS	6620 (14)	11.5 (14)	5.0 (1)	91 (11)	1 (1)	104 (14)
MEAN		7960	13.9	4.8	90	6	99
CV		4.4	2	3.8	0.4	157.1	2.7
LSD (.05)		500	0.4	0.3	1	14	4

*Preliminary Lines and Varieties*

99Y494	LW	8350 (1)	11.4 (20)	5.0 (1)	91 (16)	1 (1)	92 (4)
04Y842	M	8160 (2)	14.7 (8)	5.0 (1)	86 (4)	1 (1)	107 (20)
99Y529	L	8000 (3)	11.6 (19)	4.9 (12)	88 (9)	1 (1)	104 (18)
04Y413	M	7880 (4)	14.9 (3)	4.9 (12)	89 (14)	1 (1)	98 (11)
04Y683	M	7620 (5)	14.8 (6)	5.0 (1)	88 (9)	1 (1)	96 (7)
99Y041	L	7570 (6)	12.4 (17)	5.0 (1)	89 (13)	1 (1)	102 (16)
99Y469	L	7570 (7)	12.1 (18)	4.8 (16)	87 (5)	1 (1)	88 (1)
04Y404	M	7560 (8)	14.8 (5)	5.0 (1)	87 (5)	1 (1)	98 (11)
04Y823	M	7490 (9)	14.7 (9)	5.0 (1)	84 (1)	1 (1)	99 (15)
04Y662	M	7430 (10)	14.8 (4)	5.0 (1)	87 (5)	1 (1)	98 (13)
04Y638	SSR	7240 (11)	15.9 (1)	4.4 (20)	95 (20)	1 (1)	97 (9)
04Y660	M	7230 (12)	15.1 (2)	4.8 (17)	91 (17)	1 (1)	95 (5)
02Y321	MPQ	7190 (13)	14.7 (7)	4.9 (12)	90 (15)	15 (20)	104 (17)
04Y419	M	7160 (14)	14.0 (14)	5.0 (1)	87 (5)	1 (1)	95 (6)
04Y208	SSR	7020 (15)	14.4 (12)	4.5 (19)	88 (9)	1 (1)	89 (2)
04Y1007	M	6760 (16)	14.1 (13)	5.0 (1)	84 (1)	1 (1)	97 (9)
04Y997	M	6690 (17)	14.4 (11)	5.0 (11)	85 (3)	1 (1)	105 (19)
04Y625	MPQ	6690 (18)	14.6 (10)	5.0 (1)	91 (17)	1 (1)	98 (13)
04Y704	LSR	6680 (19)	13.1 (16)	4.6 (18)	94 (19)	1 (1)	92 (3)
04Y153	BAS	5160 (20)	13.3 (15)	4.9 (12)	88 (12)	3 (19)	96 (7)
MEAN		7270	14.0	4.9	88	2	97
CV		6.6	2.3	3.2	0.6	92.9	2.9
LSD (.05)		1010	0.7	0.3	1	3	6

Planting date: May 4, Harvest date: October, 17

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 18. 2005 Intermediate/Late Rice Variety Tests - Three Location Yield  
(lb/ac @ 14% moisture) Summary.

*Advanced Lines and Varieties*

Variety	Grain Type	Average	Biggs RES	Glenn Wylie	Sutter Akin
03Y151	REX	9470 ( 1)	10630 ( 1)	8030 ( 7)	9750 ( 3)
01Y501	LSR	9320 ( 2)	10340 ( 3)	8250 ( 4)	9370 ( 7)
04Y706	L	9260 ( 3)	10530 ( 2)	7980 ( 8)	9270 ( 9)
M-205	M	9120 ( 4)	9110 ( 9)	8190 ( 6)	10040 ( 1)
03Y576	SSR	9000 ( 5)	9940 ( 4)	8660 ( 2)	8390 (12)
03Y818	M	8930 ( 6)	9230 ( 6)	8240 ( 5)	9330 ( 8)
M-202	M	8850 ( 7)	8610 (10)	8430 ( 3)	9500 ( 6)
03Y324	S	8820 ( 8)	8570 (12)	7920 ( 9)	9960 ( 2)
03Y559	MPQ	8740 ( 9)	9140 ( 7)	7490 (12)	9590 ( 4)
L-205	REX	8730 (10)	9110 ( 8)	7510 (11)	9560 ( 5)
04Y622	MPQ	8480 (11)	9270 ( 5)	7270 (13)	8890 (10)
M-402	MPQ	8380 (12)	8570 (11)	9040 ( 1)	7530 (14)
CH-201	SPQ	7980 (13)	7590 (14)	7770 (10)	8570 (11)
CT-201	BAS	7330 (14)	7690 (13)	6620 (14)	7670 (13)
MEAN		8660	9170	7960	9100
CV		5.3	8.8	4.4	4.4
LSD (.05)		410	1740	500	570

*Preliminary Lines and Varieties*

04Y404	M	9330 ( 1)	9980 ( 1)	7560 ( 8)	10460 ( 1)
04Y842	M	9120 ( 2)	9140 ( 8)	8160 ( 2)	10050 ( 7)
99Y529	L	9090 ( 3)	9180 ( 6)	8000 ( 3)	10100 ( 6)
04Y413	M	9030 ( 4)	9110 ( 9)	7880 ( 4)	10120 ( 5)
99Y494	LWX	8880 ( 5)	8650 (12)	8350 ( 1)	9660 ( 9)
99Y041	L	8800 ( 6)	9380 ( 4)	7570 ( 6)	9460 (12)
04Y662	M	8790 ( 7)	8630 (13)	7430 (10)	10320 ( 3)
04Y660	M	8650 ( 8)	9110 (10)	7230 (12)	9630 (10)
04Y683	M	8600 ( 9)	7990 (15)	7620 ( 5)	10170 ( 4)
04Y638	SSR	8580 (10)	9520 ( 3)	7240 (11)	9000 (16)
04Y704	LSR	8510 (11)	9860 ( 2)	6680 (19)	9000 (15)
04Y625	MPQ	8470 (12)	9170 ( 7)	6690 (18)	9560 (11)
99Y469	L	8420 (13)	7900 (16)	7570 ( 7)	9790 ( 8)
04Y208	SSR	8400 (14)	9230 ( 5)	7020 (15)	8940 (17)
04Y997	M	8140 (15)	8660 (11)	6690 (17)	9080 (13)
04Y823	M	8140 (16)	6550 (20)	7490 ( 9)	10370 ( 2)
02Y321	MPQ	8040 (17)	8080 (14)	7190 (13)	8860 (18)
04Y419	M	7890 (18)	7470 (18)	7160 (14)	9040 (14)
04Y1007	M	7600 (19)	7640 (17)	6760 (16)	8410 (19)
04Y153	BAS	6120 (20)	6860 (19)	5160 (20)	6320 (20)
MEAN		8430	8600	7270	9420
CV		7.1	9	6.6	5.3
LSD (.05)		700	1630	1010	1040

S = short; M = medium; L = long; PQ = premium quality; BAS = Basmati; WX = waxy;  
REX = Newrex; SR = stem rot resistant.

Numbers in parentheses indicate relative rank in column.

Table 19. Grain Yield (lb/acre @14% moisture) Summary of Intermediate/  
Late Rice Varieties by Location and Year (2001-2005) \*

Location	Year	M-205	M-402	<b>M-202</b>	L-205
Biggs (RES)	2001	9430	8710	<b>8580</b>	8910
	2002	11600	10800	<b>9970</b>	11330
	2003	10180	8130	<b>8650</b>	10580
	2004	10180	9310	<b>9480</b>	10150
	2005	9110	8570	<b>8610</b>	9110
<b>Location Mean</b>		10100	9104	<b>9058</b>	10016
Glenn	2001	9435	8473	<b>8044</b>	6935
	2002	9247	9257	<b>8368</b>	7782
	2003	8483	7887	<b>6862</b>	7500
	2004	10210	9860	<b>9040</b>	9140
	2005	8190	9040	<b>8430</b>	7510
<b>Location Mean</b>		9113	8903	<b>8149</b>	7774
Sutter	2001	10324	9822	<b>10711</b>	9153
	2002	10115	8692	<b>10743</b>	8933
	2003	11151	9613	<b>10356</b>	9310
	2004	10850	9430	<b>11140</b>	10970
	2005	10040	7530	<b>9500</b>	9560
<b>Location Mean</b>		10496	9018	<b>10490</b>	9585
<b>Loc/Years Mean</b>		9903	9008	<b>9232</b>	9125
<b>Yield % M-202</b>		<b>107.3</b>	<b>97.6</b>	<b>100</b>	<b>98.8</b>
<b>Number of Tests</b>		15	15	<b>15</b>	15

\* 2000-2003 yields for Glenn and Sutter were converted to represent the 2004 harvested plot area of 143.4 square feet.