



# AGRONOMY PROGRESS REPORT

Agricultural Experiment Station

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## CALIFORNIA RICE VARIETIES

### DESCRIPTION AND PERFORMANCE SUMMARY OF THE 2008 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 2008. This program, a cooperative effort involving the California Cooperative Rice Research Foundation, Inc. (CCRRFI) and the United States Department of Agriculture (USDA), compares advanced breeding lines with commercially available rice varieties and evaluates preliminary breeding lines to determine their adaptation to the principal rice growing areas of California. Entries in the tests include lines and varieties developed by CCRRFI rice breeders. The program is partially funded by the Rice Research Board and cooperating growers provide land, water and on-site management for the tests. Names and brief descriptions of the current publicly developed varieties are listed in Table 1.

A mild dry spring and excellent planting conditions resulted in the timely planting of an estimated 517,000 acres of rice in 2008 (a slight decrease compared to 2007). The estimated statewide yield was 8,100 lbs/ac, 2.5% less than the 2007 average. Cool spring temperatures followed by relatively mild mid-summer temperatures (Table 2) helped reduce lodging, delayed heading and maturity, increased yields, and improved milling quality. Some late planted fields may have experienced cold-induced sterility due to cool periods late in the season. The majority of the crop was harvested in ideal weather conditions.

## EXPERIMENTAL PROCEDURE

### Cultivars and Locations

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

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

***Very Early Maturity Group.*** Ten advanced breeding lines and seven commercial varieties were evaluated in Advanced Test at each of the following locations.

	Date Planted
• Butte County (RES)	5/08
• Sutter County (Lauppe)	5/06
• Yolo County (Webster)	5/17
• San Joaquin (Del Rio Partners)	4/16 (drill-seeded)

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

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

	Date Planted
• Butte County (RES)	5/06
• Butte County (Larriabee)	6/01
• Colusa County (Dennis)	5/04
• Yuba County (Marler Farms)	5/05

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

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

	Date Planted
• Butte County (RES)	5/08
• Glenn County (Wiley)	5/01
• Sutter County (Tucker)	4/30

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

### **Planting and Harvesting**

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

All county tests except Butte (harvested with our new ALMACO combine) were harvested with the SWECO 324 small plot combine and plots at the RES were harvested with a modified Allis-Chalmers combine. The harvest area for all county plots was 143.4 ft<sup>2</sup> (0.0033acre) and 150 ft<sup>2</sup> (0.0034acre) at Butte and 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 four location combined yield and agronomic performance summary is given in Table 3. Agronomic performance data for individual entries at each Very Early location are presented in Tables 4 through 7. Entries are ranked by grain yield with the highest yielding entry appearing first. A 5 year yield summary of selected Very Early commercial rice varieties by location and year (2004-2008) is found in Table 8.

Grain yields in the advanced tests averaged 10330 lbs/acre at the RES, 9830 at Sutter, 10120 at Yolo, and 8900 at San Joaquin. Over the four locations, the highest yielding commercial variety was S-102 at 10190 lbs/acre (Table 3). Entry 06Y575, an advanced Rex-type long grain, was the highest yielding entry overall and at two of the four locations (ranking third at Sutter). There were no significant differences between the yields of S-102, M-206, M-104, and L-206 at three of the four locations. At San Joaquin, only S-102 and M-104 had yields that were not significantly different. Over-all yields at San Joaquin were higher than normal due in part to milder (warmer) temperatures at a location known for its cool growing conditions (Table 2).

The average days to 50% heading in 2008 was 1 day more than in 2007. Relatively mild mid-summer temperatures slowed plant development resulting in reduced plant height (thus reduced lodging), delayed maturation, and an overall increase in head rice yield and grain quality. Average lodging scores across all locations was similar (low) to the 2007 season (Table 3).

Table 8 is a 5-year summary of very early commercial rice variety yields compared by locations and over years. Common year-location entries are compared to give relative yield as a percentage of M-104, the very early standard. An average of the very early tests, over the last 5 years, shows that M-202, M-206, Calmochi-101, S-102, L-204, L-205, and L-206 yielded 99.7%, 106%, 106%, 99.6%, 108%, 99.7%, and 105% (respectively) of the standard variety M-104. Over the 5-year period and across locations, S-102 was the highest yielding variety followed by M-206 and L-206 at 9528 lbs/ac, 9341 lbs/ac, and 9302 respectively lbs/ac (Table 8).

### **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 10 through 13. A four location combined yield summary is given in Table 9. Entries are ranked by grain yield with the highest yielding entry appearing first. A 5 year yield summary of selected Early commercial rice varieties by location and year (2004-2008) is found in Table 14.

Yields in the advanced tests averaged 10530 lb/acre at the RES, 8200 lb/acre at Butte, 10220 lb/ac at Yuba, and 9690 lb/acre at Colusa. M-206 yielded highest overall and at Yuba and significantly the same as the leading entry at both Biggs and Colusa. The highest yielding entry overall, at Butte and Colusa is the medium grain advanced line 05Y724 (Table 9). Overall, commercial varieties L-206 and M-205, yielded fourth and fifth respectively. Other leading advanced cultivars were the Rex-type long-grain 06Y575 and the stem rot resistant long-grain entry 07Y752 (second and third, respectively). Commercial varieties M-205, M-208, S-102, and M-202 ranked 7<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> in over-locations average yields. Of the preliminary lines, long-grain entries 08Y084, 07Y559, and 07Y526 were ranked second, third, and fourth respectively.

Average days to 50% heading and plant height were similar and lodging increased 6 % when compared to 2007.

Table 14 shows the over-year and over-location yields for selected commercial varieties. Common year-location entries are compared to give relative yield as a percentage of M-202, the early standard. An average of the early tests, over the last 5 years, shows that Cahikari-201, S-102, M-205, M-206, Calmati-201, and L-205 yielded 90%, 100%, 107%, 104%, 83%, and 100% of M-202 (respectively) in the Early tests over the last 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 16 through 18. A three location combined yield summary is given in Table 15. Entries are ranked by grain yield with the highest yielding entry appearing first.

Average yields in the advanced Intermediate-Late tests were 10400 lb/acre at the RES, 8370 lb/acre at Glenn, and 8540 lb/acre at Sutter. Advanced line 05Y343, a waxy short grain, ranked 1<sup>st</sup> overall and 2<sup>nd</sup> at all three locations. The long grain advanced line 07Y576 yielded the highest at both the RES and Glenn. Medium-grain cultivar M-205 was 5<sup>th</sup> in overall yield but not

significantly different than either M-202 or L-206 (Table 15). Climatic conditions mentioned earlier resulted in a slight reduction in lodging and plant height and an increase of 5 days to 50% heading. In the preliminary tests, short-grain premium quality entry 07Y671 yielded highest overall (9870 lb/acre).

Table 19 compares intermediate-late maturing commercial cultivars in over-location and over-years tests. Using M-202 as the standard for comparison, M-205, M-402, and L-205 yielded 105%, 96% and 101%, respectively, of M-202 over the last five years.

## **ACKNOWLEDGEMENTS**

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Table 1. Characteristics of Public California Rice Varieties - 2008

CHARACTERISTICS OF PUBLIC CALIFORNIA RICE VARIETIES - 2008					
Grain Type	Maturity	Year Seed Widely Available	Stem Rot Score <sup>1</sup>	Seedling Vigor <sup>2</sup>	Comments
<b>Short Grain</b>					
S-102 <sup>6</sup>	Very Early <sup>3</sup>	1998	5.6	4.3	Very high yield potential. Good resistance to blanking with a very large grain. Rough leaves and hulls, grain dries down rapidly during ripening. Susceptible to stem rot.
<b>Medium Grains</b>					
M-104 <sup>6,7</sup>	Very Early <sup>3</sup>	2002	5.4	4.4	Replacement for M-103 in San Joaquin Valley and as an alternative to M-202 in other cool rice areas. Improved seedling vigor, lodging resistance, and yield compared to M-103. Milling yields similar to M-103. Heads 8 to 10 days earlier than M-202. Early planting in warm areas could limit yield and quality.
M-202	Early	1987	5.5	4.4	Very high yield potential. Moderate lodging potential. Long time favorite variety that threshes easily.
M-205 <sup>6,7</sup>	Early	2002	4.9	4.1	Very high yield potential. Primary adaptation area west of Highway 70 and north of Highway 20. 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.
M-206 <sup>6,7</sup>	Very Early to Early	2005	4.8	4.3	Very high yield potential. Adapted to entire rice area. Comparable to other medium grains. Improved resistance to blanking and 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-208 <sup>6,7</sup>	Early	2008	6.6	4.3	Calrose cultivar released with IG-1 blast resistance. Released for blast problems areas of Glenn and Colusa Counties. Primarily adapted to north of the Yolo-Colusa County line and west of Hwy 70. Production practices comparable to M-202.
<b>Long Grains</b>					
L-205 <sup>6</sup>	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.
L-206 <sup>6,7</sup>	Very Early to Early	2008	5.5	4.4	Conventional long grain with improved cooking quality. Very high yield potential. Four days earlier than L-205 and M-202. Considerably shorter than L-205 and M-202. Average head rice yield 62%. Adapted to most areas except in coldest and warmest rice growing regions. Harvest at 17 - 18% grain moisture.
<b>Premium Quality</b>					
M-401	Late	1983	5.1	4.3	<i>Premium quality</i> medium grain rice with large kernels. Good yield potential but susceptible to blanking, lodging and damage from premature drainage. Use 20-25% less nitrogen than on other medium grain varieties. Best adapted to warmer areas. Milling yields lower than other medium grain varieties.
M-402 <sup>6,7</sup>	Late	2001	4.7	4.2	<i>Premium quality</i> medium grain. Kernel size is smaller than M-401, much higher head rice potential. About 5-7 days earlier than M-401 with better straw strength. Adapted to warmer areas.
Calhikari-201 <sup>5,6,7</sup>	Early	2001	6.0	4.4	<i>Premium quality</i> short grain developed for the Japanese premium short-grain market. Has very good seedling vigor. A semidwarf with much greater yield potential and resistance to lodging than Japanese varieties. Rough leaves and hulls. Cold delays maturity and increases blanking. Use low nitrogen to maximize market quality.
<b>Specialty Rices<sup>5</sup></b>					
Calmochi-101 <sup>5</sup>	Very Early <sup>3,4</sup>	1987	5.3	4.2	Glutinous (sweet, waxy) rice. Excellent blanking resistance. Has rough leaves and hulls, no awns. Grain dries down rapidly during ripening.
Calamylo-201 <sup>5,6</sup>	Early <sup>4</sup>	2009	6.2	4.2	Low amylose content (~6-7%), opaqued kernel and small short grain shape. Rough leaves and hull and not adapted to cool temperature areas. Low yield potential very limited market.
Calmati-201 <sup>5,6</sup>	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.
Calmati-202 <sup>5,6,7</sup>	Early <sup>4</sup>	2008	6.0	4.4	A basmati type long grain with improved cooking quality and more slender grain. Excellent seedling vigor. Yield potential is 10% lower than CT-201. Pubescent leaves and hull. Average milling yield 58 - 60%. Susceptible to blanking and should not be grown in cool areas. Avoid excessive nitrogen. Harvest at 17-18% grain moisture.

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

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

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

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

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

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

7 Utility Patent

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Table 2. 2008 County Weather Data - Daily Maximums and Minimums (°F). Collected by UC IPM - IMPACT and CIMIS

	Glenn (Willows)		Colusa (colusa)		Yolo (Woodland)		Butte (Durham)		Yuba (Marysville)		Sutter (Nicolas)		San Joaquin (Woodbridge)		Glenn (Willows)		Colusa (colusa)		Yolo (Zamora)		Butte (Durham)		Yuba (Yuba City)		Sutter (Nicolas)		San Joaquin (Woodbridge)		
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
Apr 01	72	43	69	40	79	49	68	39	70	45	70	42	69	44	May 01	78	59	77	48	70	44	75	42	79	51	75	42	77	42
Apr 02	77	38	73	34	74	39	71	37	72	45	73	33	68	40	May 02	76	43	76	42	76	52	75	40	79	52	75	45	74	43
Apr 03	77	39	75	37	79	44	75	35	72	47	76	37	74	41	May 03	82	44	81	43	82	48	80	42	80	53	82	42	80	40
Apr 04	73	40	71	47	71	39	69	46	74	47	71	43	68	41	May 04	93	50	82	46	79	51	80	46	79	52	77	44	77	45
Apr 05	70	35	68	42	70	40	67	41	72	48	69	37	69	40	May 05	94	43	92	50	89	54	91	52	79	52	86	47	81	44
Apr 06	69	40	67	36	69	49	67	45	71	48	68	41	67	44	May 06	88	48	85	48	86	50	84	50	78	51	77	49	82	49
Apr 07	67	33	67	37	70	38	66	38	70	46	67	33	67	33	May 07	82	49	79	48	79	57	79	51	80	53	77	52	77	53
Apr 08	69	43	64	38	68	38	64	45	70	47	65	42	63	42	May 08	83	49	81	46	79	52	80	46	80	53	81	47	80	45
Apr 09	76	34	68	35	79	38	68	36	72	46	71	34	68	36	May 09	80	46	81	47	82	52	81	48	80	53	80	49	79	44
Apr 10	84	47	76	36	84	38	75	38	73	47	77	35	77	39	May 10	86	52	85	46	81	50	83	45	81	53	83	43	84	43
Apr 11	88	47	83	47	85	54	83	48	74	47	85	44	82	43	May 11	82	52	81	56	85	52	80	52	82	54	81	54	79	52
Apr 12	89	49	87	42	88	53	87	47	75	48	88	46	87	46	May 12	90	41	78	52	79	55	76	55	83	54	77	49	79	53
Apr 13	88	50	87	44	90	57	88	45	74	48	89	46	92	47	May 13	93	48	88	48	79	57	86	46	85	55	85	44	89	45
Apr 14	72	50	70	41	73	55	75	48	76	48	71	40	70	46	May 14	99	69	91	65	89	57	90	57	83	56	89	53	92	53
Apr 15	74	35	67	33	71	43	65	42	74	48	65	31	66	38	May 15	100	82	97	66	91	68	97	63	82	55	96	68	98	66
Apr 16	82	50	74	41	91	38	73	38	73	49	75	39	76	42	May 16	99	60	98	60	97	73	93	59	81	54	97	58	101	61
Apr 17	81	52	80	40	91	38	80	42	73	49	81	36	82	37	May 17	100	64	101	63	102	68	98	62	82	54	102	61	101	61
Apr 18	80	43	79	42	80	51	80	44	71	47	77	49	78	43	May 18	98	62	99	66	105	66	94	64	82	54	98	63	98	58
Apr 19	70	42	68	41	72	46	67	33	73	48	68	38	66	41	May 19	94	57	94	57	101	64	91	57	84	55	94	56	93	48
Apr 20	64	29	62	28	65	38	60	27	74	49	62	27	61	34	May 20	84	59	84	57	83	56	82	60	82	55	88	51	82	55
Apr 21	65	31	64	36	64	36	63	35	77	48	63	35	63	36	May 21	81	55	79	53	79	56	76	55	84	54	79	52	79	49
Apr 22	67	36	64	45	65	37	62	39	75	50	65	44	65	48	May 22	80	55	77	56	78	57	76	55	85	55	78	56	77	56
Apr 23	70	39	64	41	68	46	64	43	74	51	64	38	64	43	May 23	75	51	70	57	76	60	71	56	85	57	75	57	76	53
Apr 24	79	33	71	34	76	38	69	34	74	50	70	30	72	33	May 24	77	50	62	48	64	53	60	48	84	56	62	52	60	52
Apr 25	89	40	77	47	80	41	80	39	74	49	78	36	79	38	May 25	74	44	75	48	76	54	75	46	86	56	75	49	74	49
Apr 26	92	53	88	44	89	57	86	48	77	50	86	46	89	48	May 26	77	54	74	53	75	54	71	54	85	56	72	52	72	48
Apr 27	92	51	91	49	93	58	90	49	79	50	93	49	92	50	May 27	75	51	77	51	78	50	74	48	85	57	77	49	73	47
Apr 28	89	52	87	48	89	55	86	50	78	51	86	51	87	49	May 28	75	46	74	50	76	51	72	52	84	57	74	50	72	48
Apr 29	71	44	70	48	75	53	69	47	79	52	70	47	69	45	May 29	81	46	77	51	76	52	75	51	85	56	77	51	74	46
Apr 30	77	38	68	41	73	42	66	45	80	52	67	39	69	38	May 30	82	48	81	50	77	52	80	48	86	58	80	49	80	43
															May 31	79	51	81	53	82	51	77	54	86	57	78	52	74	51
Jun 01	81	50	82	53	78	53	80	51	87	57	82	51	79	46	Jul 01	91	55	92	55	86	51	88	56	94	61	88	54	86	51
Jun 02	84	51	85	53	83	54	82	51	86	56	85	51	81	42	Jul 02	91	60	93	58	89	53	88	58	93	61	89	54	86	50
Jun 03	84	57	83	57	87	53	80	59	88	58	82	55	79	54	Jul 03	91	59	92	60	90	56	89	59	94	61	89	59	87	54
Jun 04	78	59	79	56	87	58	77	57	88	58	78	52	79	51	Jul 04	83	61	85	60	82	54	82	61	94	61	85	58	82	56
Jun 05	85	58	86	52	79	58	83	50	89	59	85	46	85	47	Jul 05	92	59	93	61	91	56	89	58	95	62	92	57	92	51
Jun 06	81	57	81	49	87	63	81	59	88	60	81	50	82	52	Jul 06	111	63	101	63	95	59	94	61	95	62	98	59	97	58
Jun 07	84	59	85	60	83	55	82	58	88	60	84	52	85	50	Jul 07	110	61	106	64	102	62	100	63	94	61	103	64	101	61
Jun 08	92	63	92	59	85	64	94	55	91	60	91	48	92	53	Jul 08	113	84	106	67	105	66	95	65	95	61	100	66	106	65
Jun 09	97	60	96	54	91	64	91	51	90	60	96	51	96	49	Jul 09	112	70	105	64	106	66	99	66	95	62	103	65	105	64
Jun 10	81	66	83	66	84	62	80	63	90	60	85	60	85	59	Jul 10	100	69	100	66	97	64	92	65	95	62	99	64	98	62
Jun 11	87	58	86	59	88	62	85	54	89	59	87	58	87	57	Jul 11	91	65	90	63	90	60	85	66	96	62	86	62	86	62
Jun 12	93	68	94	63	93	68	89	56	89	58	91	54	93	53	Jul 12	87	62	87	63	89	61	86	61	97	63	89	61	88	61
Jun 13	96	64	98	55	100	63	94	54	90	58	94	58	98	51	Jul 13	94	66	96	65	93	60	90	63	99	64	95	61	94	59
Jun 14	91	59	92	60	92	57	87	56	89	59	89	58	89	55	Jul 14	95	64	96	67	89	60	92	65	99	65	91	63	88	62
Jun 15	90	55	91	56	91	55	88	55	90	59	89	54	89	49	Jul 15	89	59	89	61	86	58	86	59	96	64	86	59	83	59
Jun 16	88	52	90	53	90	54	86	52	91	61	87	52	86	45	Jul 16	92	57	92	58	90	54	88	56	95	62	90	56	89	57
Jun 17	94	56	97	52	97	53	91	54	91	60	94	52	94	48	Jul 17	95	61	94	59	88	53	90	60	95	63	91	56	89	53
Jun 18	93	56	95	52	97	62	93	48	90	59	95	53	95	49	Jul 18	95	60	96	56	92	51	89	58	96	62	94	53	93	49
Jun 19	95	62	96	56	96	64	93	53	91	59	97	55	95	51	Jul 19	95	61	97	60	90	55	92	61	96	61	93	57	91	54
Jun 20	97	58	99	58	102	65	96	56	93	60	99	61	102	56	Jul 20	88	54	89	56	79	51	84	55	95	63	82	53	79	53
Jun 21	100	64	103	63	105	70	95	62	94	61	98	64	102	62	Jul 21	88	46	85	51	79	48	81	51	95	62	81	51	78	53
Jun 22	92	61	94	56	94	63	89	59	93	60	92	59	90	55	Jul 22	92	53	89	49	90	46	85	51	96	63	88	49	90	45
Jun 23	90	58	92	55	91	58	85	55	92	61	87	55	85	51	Jul 23	94	59	94	58	92	55	91	56	96	63	92	55	94	57
Jun 24	89	58	91																										

Table 2. 2008 County Weather Data - Daily Maximums and Minimums (°F). (continued)

	Glenn (Willows)		Colusa (colusa)		Yolo (Woodland)		Butte (Durham)		Yuba (Marysville)		Sutter (Nicolas)		San Joaquin (Woodbridge)	
	max	min	max	min	max	min	max	min	max	min	max	min	max	min
Aug 01	89	55	92	56	91	52	88	53	97	63	92	55	91	53
Aug 02	96	62	97	59	95	56	93	59	98	64	95	56	94	54
Aug 03	92	56	90	60	86	53	88	55	97	63	90	56	89	50
Aug 04	93	53	93	52	89	50	90	52	97	63	92	53	91	49
Aug 05	95	54	92	53	90	50	89	54	97	62	89	53	88	50
Aug 06	96	69	97	63	92	59	94	63	98	63	97	58	94	59
Aug 07	95	61	95	65	90	56	91	62	96	64	92	60	88	59
Aug 08	89	55	90	58	84	54	86	55	97	64	86	56	84	55
Aug 09	90	52	87	55	87	51	84	54	98	63	88	53	87	48
Aug 10	95	57	94	56	93	51	93	54	96	62	96	51	93	51
Aug 11	97	59	99	59	95	55	91	57	95	61	96	55	98	54
Aug 12	100	60	99	61	96	57	94	59	95	61	98	60	97	54
Aug 13	91	59	105	62	101	60	98	61	93	60	102	60	100	60
Aug 14	101	67	104	63	103	60	99	64	93	60	100	63	102	60
Aug 15	102	63	104	63	105	58	98	61	93	61	98	60	100	59
Aug 16	96	63	97	64	92	60	92	62	93	59	94	64	90	61
Aug 17	86	61	88	59	83	58	85	59	92	59	85	59	85	59
Aug 18	86	58	86	58	81	57	82	60	91	59	81	57	77	58
Aug 19	87	56	85	59	82	55	82	56	90	59	83	57	81	56
Aug 20	90	57	90	61	88	54	88	58	91	60	89	57	87	54
Aug 21	94	62	92	66	89	62	89	63	93	60	92	63	88	62
Aug 22	93	62	95	60	92	57	93	62	93	60	94	59	93	55
Aug 23	95	60	95	60	91	56	92	60	92	60	94	58	92	54
Aug 24	98	61	99	59	94	54	94	58	92	59	95	56	96	53
Aug 25	97	54	97	62	94	57	90	59	92	60	93	57	92	56
Aug 26	108	69	95	54	94	55	95	55	91	59	95	52	92	54
Aug 27	104	61	103	56	101	56	103	56	93	59	100	56	100	55
Aug 28	108	70	105	68	102	68	103	66	94	59	102	60	102	59
Aug 29	109	68	101	59	102	59	99	59	92	60	99	63	103	62
Aug 30	102	59	95	61	94	59	91	59	89	60	91	61	92	56
Aug 31	86	65	83	52	83	53	83	54	92	59	81	52	83	56
Sep 01	85	62	85	59	85	62	85	60	93	60	84	56	86	52
Sep 02	98	57	93	49	92	56	89	49	93	60	90	49	91	45
Sep 03	101	67	98	52	98	58	93	51	94	60	100	51	97	50
Sep 04	103	62	101	55	99	58	96	54	94	60	101	54	98	53
Sep 05	105	63	101	56	100	55	96	56	94	61	102	55	100	55
Sep 06	104	69	101	57	99	57	95	57	92	61	103	57	100	57
Sep 07	95	60	97	58	96	57	93	58	92	59	96	59	99	57
Sep 08	93	58	94	54	89	50	90	54	92	60	91	53	91	48
Sep 09	93	49	83	54	78	51	80	50	90	59	79	55	76	56
Sep 10	94	52	92	50	88	51	90	51	89	58	86	47	86	47
Sep 11	93	54	93	52	89	51	90	53	89	58	94	49	89	52
Sep 12	88	55	86	57	84	48	85	54	90	57	88	53	85	47
Sep 13	92	50	88	46	88	45	86	49	89	58	87	48	85	45
Sep 14	94	52	92	49	91	46	90	51	89	58	94	47	88	47
Sep 15	94	54	94	50	90	50	90	52	88	58	91	48	90	48
Sep 16	88	57	88	54	86	50	86	53	88	58	86	53	84	52
Sep 17	82	53	81	55	77	49	78	50	87	57	75	50	72	51
Sep 18	81	45	80	42	78	42	78	45	86	57	79	47	78	46
Sep 19	79	46	77	54	78	49	76	49	86	56	78	51	76	46
Sep 20	81	49	80	58	78	50	78	55	89	56	80	56	77	53
Sep 21	88	50	82	51	80	49	80	51	90	56	81	48	82	47
Sep 22	89	67	86	51	85	52	84	50	88	56	83	48	86	47
Sep 23	90	47	90	44	91	45	88	44	88	56	90	45	89	44
Sep 24	90	52	91	47	89	47	88	46	86	57	92	45	91	46
Sep 25	91	52	91	49	90	52	88	51	85	57	87	52	92	49
Sep 26	96	57	92	50	91	56	91	49	85	57	96	50	93	51
Sep 27	101	58	95	51	94	54	97	52	85	56	92	51	95	53
Sep 28	102	60	98	54	99	59	97	54	87	55	99	52	95	54
Sep 29	91	58	90	57	89	55	89	55	86	56	87	56	81	56
Sep 30	92	57	92	54	88	55	90	56	88	56	91	55	89	56
Oct 01	89	56	91	52	90	53	89	54	86	55	92	52	93	51
Oct 02	81	65	81	62	84	54	80	63	84	55	79	59	78	61
Oct 03	75	53	68	58	70	53	65	58	87	55	70	52	73	54
Oct 04	75	55	76	53	73	51	72	54	86	55	74	53	72	54
Oct 05	75	51	74	54	75	44	74	50	86	54	76	48	75	50
Oct 06	82	53	81	47	82	46	81	49	84	55	84	46	80	48
Oct 07	89	50	88	47	87	51	89	50	84	54	86	46	86	47
Oct 08	85	56	84	49	84	53	82	49	84	54	83	44	84	47
Oct 09	72	56	85	48	72	52	70	55	84	54	71	48	73	50
Oct 10	72	50	66	50	65	50	65	47	82	53	66	49	66	50
Oct 11	73	50	67	45	65	48	66	41	80	53	67	42	67	43
Oct 12	85	48	71	44	70	46	72	39	82	52	71	37	71	39
Oct 13	85	53	83	42	81	49	80	38	81	53	82	37	75	34
Oct 14	84	43	80	41	80	39	79	39	81	52	82	38	80	37
Oct 15	91	46	83	42	83	43	81	40	80	52	82	39	82	41
Oct 16	91	52	88	44	85	45	88	44	78	51	86	41	87	41
Oct 17	84	50	85	44	85	43	85	43	79	49	86	42	88	42
Oct 18	81	48	82	47	84	52	79	43	79	50	83	44	81	49
Oct 19	80	46	80	48	77	44	79	46	78	50	79	42	77	44
Oct 20	80	44	74	45	76	41	76	44	77	50	76	46	74	40
Oct 21	89	48	78	46	80	46	77	44	77	51	79	43	80	44
Oct 22	89	49	87	48	82	50	86	46	75	51	84	39	82	40
Oct 23	88	45	85	41	87	45	86	41	76	51	87	41	85	41
Oct 24	88	46	84	42	84	43	84	41	76	50	84	40	85	40
Oct 25	88	46	84	41	83	42	86	42	76	51	83	43	83	41
Oct 26	87	43	85	43	83	42	86	42	75	50	84	40	84	40
Oct 27	83	46	80	44	78	41	79	42	74	49	79	39	78	41
Oct 28	82	45	82	44	83	43	76	43	72	49	83	42	80	41
Oct 29	78	46	80	43	79	43	79	41	69	48	81	40	80	40
Oct 30	68	46	69	52	67	49	66	49	70	48	68	49	68	48
Oct 31	66	56	65	56	70	56	66	56	71	47	72	56	74	57



Table 3. 2008 Very Early Rice Variety Tests - Four Location Summary

*Advanced Lines and Varieties*

Variety	Grain Type	Ave Grain Yield at 14% Moisture		Single Location Yields				Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		lbs/acre		Biggs	Sutter	Yolo	San Joaquin					
06Y575	LR	<b>10600</b> (1)		10480 (6)	10350 (3)	11120 (1)	10440 (1)	15.8 (11)	5.0 (5)	98 (14)	1 (4)	37 (16)
05Y724	M	<b>10460</b> (2)		10670 (4)	10420 (1)	10750 (2)	10020 (2)	18.4 (4)	4.9 (9)	93 (6)	4 (9)	35 (9)
S-102	S	<b>10190</b> (3)		10240 (9)	10190 (4)	10340 (6)	10000 (3)	16.0 (10)	5.0 (3)	89 (1)	10 (13)	33 (1)
05Y196	SPQ	<b>10190</b> (4)		10380 (8)	10400 (2)	10530 (3)	9450 (6)	17.8 (6)	5.0 (2)	94 (7)	24 (16)	35 (8)
M206	M	<b>10140</b> (5)		10900 (3)	9800 (9)	10480 (5)	9360 (9)	18.0 (5)	4.9 (13)	94 (10)	4 (11)	35 (10)
M104	M	<b>9950</b> (6)		10000 (14)	10100 (5)	9930 (11)	9780 (4)	16.9 (8)	5.0 (8)	90 (2)	4 (10)	33 (2)
05Y471	M	<b>9940</b> (7)		10030 (12)	9830 (8)	10520 (4)	9390 (8)	17.1 (7)	4.9 (12)	92 (4)	3 (8)	34 (7)
L206	L	<b>9850</b> (8)		11180 (1)	9840 (7)	10210 (7)	8160 (12)	14.7 (17)	4.8 (16)	94 (8)	1 (4)	34 (5)
01Y655	LR	<b>9830</b> (9)		10610 (5)	9720 (11)	10060 (10)	8930 (11)	15.5 (14)	4.9 (11)	101 (17)	2 (7)	37 (17)
CM-101	SWX	<b>9820</b> (10)		9960 (15)	10010 (6)	9830 (13)	9470 (5)	15.7 (12)	4.9 (14)	91 (3)	11 (14)	33 (3)
06Y513	L	<b>9680</b> (11)		10420 (7)	9520 (13)	9840 (12)	8960 (10)	15.5 (15)	4.9 (10)	98 (13)	1 (1)	36 (14)
04Y177	SPQ	<b>9670</b> (12)		9350 (17)	9790 (10)	10150 (8)	9390 (7)	16.0 (9)	5.0 (7)	93 (5)	19 (15)	34 (6)
07Y515	L	<b>9490</b> (13)		11060 (2)	9330 (16)	9770 (14)	7780 (14)	15.1 (16)	4.8 (15)	94 (9)	1 (1)	34 (4)
M202	M	<b>9410</b> (14)		10170 (11)	9540 (12)	10140 (9)	7770 (15)	19.1 (2)	5.0 (3)	98 (15)	5 (12)	36 (13)
L205	LR	<b>9170</b> (15)		10010 (13)	9490 (14)	9590 (16)	9590 (16)	15.6 (13)	4.8 (17)	99 (16)	1 (1)	36 (15)
06Y175	MPQ	<b>9070</b> (16)		9870 (16)	9320 (17)	9200 (17)	7890 (13)	19.2 (1)	5.0 (1)	95 (11)	33 (17)	35 (11)
04Y332	MPQ	<b>9050</b> (17)		10230 (10)	9370 (15)	9610 (15)	6970 (17)	18.6 (3)	5.0 (5)	97 (12)	2 (6)	35 (12)
MEAN		<b>9790</b>		10330	9830	10120	8900	16.8	4.9	95	7	35
CV		<b>4.1</b>		5.5	3.7	3.1	3.6	5.9	2.1	1	137.2	1.7
LSD (.05)		<b>280</b>		800	510	440	460	0.7	0.1	1	7	0

*Preliminary Lines and Varieties*

07Y210	S	<b>10130</b> (1)		10040 (4)	10200 (8)	10700 (4)	9580 (5)	17.1 (10)	4.2 (33)	94 (28)	18 (32)	35 (33)
07Y163	SPQ	<b>10040</b> (2)		9150 (23)	10520 (1)	10060 (16)	10420 (2)	17.0 (14)	4.7 (32)	89 (1)	24 (34)	34 (7)
07Y508	L	<b>9990</b> (3)		9410 (15)	10440 (2)	10170 (13)	9920 (3)	15.2 (28)	4.9 (10)	92 (20)	1 (1)	34 (21)
07Y383	M	<b>9980</b> (4)		9180 (21)	10010 (15)	10210 (12)	10510 (1)	17.1 (8)	4.9 (10)	91 (13)	2 (9)	34 (15)
07Y213	S	<b>9920</b> (5)		9640 (11)	10040 (12)	10740 (3)	9270 (11)	16.7 (20)	4.8 (26)	92 (18)	14 (28)	34 (19)
07Y268	M	<b>9910</b> (6)		9400 (16)	10030 (14)	10750 (1)	9460 (7)	17.0 (12)	5.0 (6)	92 (19)	3 (17)	34 (20)
07Y262	M	<b>9890</b> (7)		9540 (13)	10170 (9)	10650 (5)	9190 (14)	17.5 (7)	4.9 (14)	93 (22)	5 (22)	34 (22)
07Y435	M	<b>9820</b> (8)		9360 (17)	10370 (3)	10340 (9)	9200 (12)	17.7 (4)	5.0 (6)	93 (22)	3 (18)	35 (24)
07Y412	M	<b>9800</b> (9)		9690 (10)	9810 (19)	10050 (17)	9660 (4)	17.1 (11)	5.0 (6)	92 (16)	8 (24)	34 (9)
07Y276	M	<b>9790</b> (10)		9600 (12)	10260 (6)	10300 (10)	8980 (19)	17.1 (9)	4.9 (17)	91 (7)	6 (23)	33 (4)
M206	M	<b>9760</b> (11)		8880 (27)	10210 (7)	10540 (7)	9400 (8)	17.7 (2)	5.0 (6)	93 (22)	3 (18)	35 (26)
07Y255	M	<b>9730</b> (12)		9360 (17)	10080 (11)	10160 (14)	9330 (10)	17.0 (13)	4.9 (17)	90 (2)	2 (9)	33 (1)
07Y183	SPQ	<b>9650</b> (13)		9900 (7)	9920 (17)	9640 (30)	9150 (15)	16.8 (17)	4.8 (28)	91 (13)	16 (29)	34 (16)
05Y547	LR	<b>9650</b> (14)		10040 (5)	10330 (4)	10440 (8)	7780 (28)	14.7 (32)	5.0 (3)	95 (29)	2 (9)	35 (30)
07Y232	M	<b>9640</b> (15)		10630 (1)	9770 (21)	9980 (21)	8180 (24)	16.8 (18)	4.9 (23)	91 (7)	3 (16)	35 (23)
07Y534	LSR	<b>9490</b> (16)		10200 (3)	9610 (28)	10580 (6)	7580 (30)	16.5 (23)	4.8 (29)	97 (32)	1 (1)	35 (32)
07Y440	M	<b>9460</b> (17)		8710 (30)	10030 (13)	9990 (20)	9120 (16)	16.3 (25)	4.8 (26)	91 (7)	2 (15)	34 (14)
CH-201	SPQ	<b>9420</b> (18)		9110 (24)	9720 (23)	10740 (2)	8100 (26)	15.7 (26)	5.0 (1)	95 (30)	17 (31)	35 (27)
07Y235	M	<b>9410</b> (19)		8590 (31)	10330 (5)	9690 (27)	9020 (18)	16.4 (24)	5.0 (1)	90 (6)	21 (33)	34 (16)
07Y176	SPQ	<b>9410</b> (20)		9320 (20)	9570 (29)	9660 (29)	9070 (17)	16.6 (21)	4.9 (17)	92 (15)	4 (20)	34 (11)
07Y389	M	<b>9380</b> (21)		8930 (26)	9620 (27)	9770 (26)	9200 (13)	17.6 (5)	4.9 (14)	92 (16)	1 (1)	34 (13)
07Y492	L	<b>9350</b> (22)		9870 (8)	9680 (26)	10220 (11)	7640 (29)	14.1 (33)	4.9 (17)	94 (25)	1 (1)	34 (12)
06Y199	SPQ	<b>9340</b> (23)		8020 (34)	10080 (10)	9790 (25)	9480 (6)	16.8 (19)	4.9 (14)	91 (10)	17 (30)	33 (5)
07Y545	LR	<b>9310</b> (24)		10590 (2)	9700 (24)	9520 (33)	7410 (32)	15.2 (29)	4.9 (10)	98 (34)	1 (1)	35 (34)
04Y330	MPQ	<b>9300</b> (25)		8860 (28)	10000 (16)	10100 (15)	8260 (23)	18.5 (1)	5.0 (3)	91 (10)	13 (27)	34 (9)
07Y516	LSR	<b>9290</b> (26)		9920 (6)	9250 (32)	10040 (18)	7940 (27)	15.5 (27)	4.9 (25)	97 (32)	1 (1)	35 (29)
05Y552	LJ	<b>9280</b> (27)		9000 (25)	9560 (30)	9620 (31)	8950 (20)	14.0 (34)	4.9 (21)	93 (21)	2 (9)	34 (18)
07Y186	MPQ	<b>9270</b> (28)		9150 (22)	9810 (20)	9850 (24)	8280 (22)	16.9 (15)	4.9 (23)	94 (25)	2 (9)	35 (28)
07Y277	M	<b>9260</b> (29)		8300 (32)	9740 (22)	9680 (28)	9340 (9)	16.8 (16)	4.9 (10)	90 (4)	9 (25)	34 (6)
07Y226	M	<b>9110</b> (30)		9320 (19)	9680 (25)	9900 (23)	7530 (31)	16.5 (22)	4.9 (21)	90 (5)	4 (20)	33 (3)
06Y184	MPQ	<b>9050</b> (31)		8160 (33)	9470 (31)	10020 (19)	8540 (21)	17.5 (6)	5.0 (5)	94 (27)	2 (9)	35 (31)
07Y533	L	<b>8970</b> (32)		9490 (14)	9230 (33)	9950 (22)	7240 (33)	14.9 (31)	4.7 (31)	95 (31)	1 (1)	35 (25)
07Y217	SWX	<b>8960</b> (33)		9780 (9)	9860 (18)	8080 (34)	8130 (25)	17.7 (3)	2.9 (34)	90 (2)	12 (26)	34 (7)
07Y495	LSR	<b>8530</b> (34)		8730 (29)	9050 (34)	9570 (32)	6790 (34)	15.0 (30)	4.7 (30)	91 (12)	1 (1)	33 (2)
MEAN		<b>9510</b>		9350	9890	10040	8750	16.5	4.8	92	6	34
CV		<b>5.5</b>		7.8	3.4	3.5	6.7	4.6	3.9	1.1	129.6	1.8
LSD (.05)		<b>520</b>			680	720	1190	0.7	0.2	1	8	1

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

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

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

Numbers in parentheses indicate relative rank in column.

Table 4. 2008 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	11180 (1)	15.8 (17)	4.6 (15)	87 (5)	2 (7)	34 (5)
07Y515	L	11060 (2)	16.7 (13)	4.6 (16)	88 (7)	1 (1)	35 (7)
M206	M	10900 (3)	17.8 (7)	4.8 (10)	90 (11)	1 (1)	35 (11)
05Y724	M	10670 (4)	19.6 (1)	4.8 (10)	88 (6)	8 (10)	34 (6)
01Y655	LR	10610 (5)	18.0 (5)	4.7 (14)	94 (17)	1 (1)	37 (17)
06Y575	LR	10480 (6)	17.3 (10)	4.9 (6)	92 (14)	1 (1)	36 (14)
06Y513	L	10420 (7)	17.8 (7)	4.7 (13)	91 (13)	1 (1)	36 (13)
05Y196	SPQ	10380 (8)	16.9 (12)	5.0 (2)	90 (12)	43 (15)	35 (12)
S-102	S	10240 (9)	18.9 (2)	4.9 (3)	80 (1)	38 (13)	32 (1)
04Y332	MPQ	10230 (10)	18.3 (4)	4.9 (8)	89 (10)	3 (8)	35 (10)
M202	M	10170 (11)	17.7 (9)	4.9 (3)	92 (15)	9 (11)	36 (15)
05Y471	M	10030 (12)	17.2 (11)	4.9 (8)	85 (4)	4 (9)	33 (4)
L205	LR	10010 (13)	17.8 (6)	4.5 (17)	93 (16)	1 (1)	37 (16)
M104	M	10000 (14)	15.9 (16)	4.9 (6)	82 (2)	13 (12)	32 (2)
CM-101	SWX	9960 (15)	16.2 (15)	4.9 (5)	84 (3)	40 (14)	33 (3)
06Y175	MPQ	9870 (16)	18.5 (3)	5.0 (1)	89 (9)	70 (17)	35 (9)
04Y177	SPQ	9350 (17)	16.4 (14)	4.8 (10)	88 (8)	65 (16)	35 (8)
MEAN		10330	17.4	4.8	88	18	35
CV		5.5	8.9	2.2	1.7	87.3	1.7
LSD (.05)		800	2.2	0.1	2	22	1

*Preliminary Lines and Varieties*

07Y232	M	10630 (1)	14.2 (34)	4.8 (7)	85 (18)	8 (18)	34 (18)
07Y545	LR	10590 (2)	16.1 (19)	4.8 (13)	91 (33)	1 (1)	36 (33)
07Y534	LSR	10200 (3)	17.8 (5)	4.7 (21)	87 (26)	1 (1)	34 (26)
07Y210	S	10040 (4)	16.2 (18)	4.4 (33)	88 (29)	60 (31)	34 (29)
05Y547	LR	10040 (5)	15.3 (28)	4.9 (6)	87 (28)	1 (1)	34 (28)
07Y516	LSR	9920 (6)	15.0 (32)	4.5 (31)	89 (31)	1 (1)	35 (31)
07Y183	SPQ	9900 (7)	16.1 (20)	4.6 (30)	83 (8)	60 (31)	33 (8)
07Y492	L	9870 (8)	15.2 (29)	4.6 (26)	86 (23)	1 (1)	34 (23)
07Y217	SWX	9780 (9)	17.2 (8)	4.1 (34)	82 (4)	45 (29)	32 (4)
07Y412	M	9690 (10)	16.8 (12)	4.8 (7)	85 (18)	28 (26)	34 (18)
07Y213	S	9640 (11)	15.8 (22)	4.7 (17)	83 (8)	5 (15)	33 (8)
07Y276	M	9600 (12)	16.7 (14)	4.8 (7)	82 (5)	18 (25)	32 (5)
07Y262	M	9540 (13)	16.3 (16)	4.7 (17)	87 (24)	15 (24)	34 (24)
07Y533	L	9490 (14)	16.1 (21)	4.5 (31)	89 (31)	1 (1)	35 (31)
07Y508	L	9410 (15)	15.2 (30)	4.8 (13)	84 (11)	1 (1)	33 (11)
07Y268	M	9400 (16)	16.8 (12)	4.8 (7)	86 (21)	8 (18)	34 (21)
07Y255	M	9360 (17)	15.8 (22)	4.7 (21)	81 (2)	3 (10)	32 (2)
07Y435	M	9360 (17)	18.2 (3)	4.8 (7)	86 (21)	10 (20)	34 (21)
07Y226	M	9320 (19)	15.7 (25)	4.6 (27)	84 (13)	13 (22)	33 (13)
07Y176	SPQ	9320 (20)	16.7 (15)	4.7 (21)	83 (8)	13 (22)	33 (8)
07Y383	M	9180 (21)	17.1 (9)	4.8 (13)	85 (15)	3 (10)	33 (15)
07Y186	MPQ	9150 (22)	17.3 (7)	4.7 (21)	87 (24)	3 (10)	34 (24)
07Y163	SPQ	9150 (23)	16.3 (17)	4.6 (27)	82 (5)	40 (28)	32 (5)
CH-201	SPQ	9110 (24)	15.8 (22)	5.0 (1)	91 (34)	10 (20)	36 (34)
05Y552	LJ	9000 (25)	14.5 (33)	4.7 (20)	84 (14)	3 (10)	33 (14)
07Y389	M	8930 (26)	16.9 (11)	4.7 (17)	85 (18)	1 (1)	34 (18)
M206	M	8880 (27)	17.3 (6)	4.8 (7)	87 (26)	6 (17)	34 (26)
04Y330	MPQ	8860 (28)	18.7 (1)	4.9 (5)	85 (15)	45 (29)	33 (15)
07Y495	LSR	8730 (29)	15.2 (30)	4.6 (27)	81 (2)	1 (1)	32 (2)
07Y440	M	8710 (30)	15.7 (25)	4.7 (21)	83 (7)	5 (15)	33 (7)
07Y235	M	8590 (31)	15.6 (27)	5.0 (1)	81 (1)	80 (34)	32 (1)
07Y277	M	8300 (32)	17.0 (10)	4.8 (13)	84 (11)	30 (27)	33 (11)
06Y184	MPQ	8160 (33)	18.0 (4)	5.0 (1)	89 (30)	3 (10)	35 (30)
06Y199	SPQ	8020 (34)	18.7 (1)	5.0 (4)	85 (15)	60 (31)	33 (15)
MEAN		9350	16.4	4.7	85	17	33
CV		7.8	7.3	2.1	1.3	69.3	1.3
LSD (.05)				0.2	2	24	1

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

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

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

Numbers in parentheses indicate relative rank in column.

Table 5. 2008 Very Early Rice Variety Test - Sutter

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
05Y724	M	10420 (1)	16.8 (4)	5.0 (1)	88 (6)	5 (13)	35 (6)
05Y196	SPQ	10400 (2)	16.6 (5)	5.0 (1)	87 (5)	30 (17)	34 (5)
06Y575	LR	10350 (3)	14.1 (14)	5.0 (1)	95 (15)	2 (12)	37 (15)
S-102	S	10190 (4)	14.7 (11)	5.0 (1)	82 (1)	1 (1)	32 (1)
M104	M	10100 (5)	16.3 (7)	5.0 (1)	83 (2)	1 (1)	33 (2)
CM-101	SWX	10010 (6)	15.2 (10)	5.0 (15)	84 (3)	1 (1)	33 (3)
L206	L	9840 (7)	13.8 (16)	5.0 (1)	89 (8)	1 (1)	35 (8)
05Y471	M	9830 (8)	16.4 (6)	5.0 (1)	88 (7)	1 (1)	35 (7)
M206	M	9800 (9)	17.0 (3)	5.0 (15)	89 (10)	13 (16)	35 (10)
04Y177	SPQ	9790 (10)	15.2 (9)	5.0 (1)	86 (4)	9 (15)	34 (4)
01Y655	LR	9720 (11)	13.5 (17)	5.0 (1)	98 (17)	6 (14)	39 (17)
M202	M	9540 (12)	18.7 (1)	5.0 (1)	89 (12)	1 (1)	35 (12)
06Y513	L	9520 (13)	14.1 (13)	5.0 (1)	94 (14)	1 (1)	37 (14)
L205	LR	9490 (14)	14.0 (15)	4.9 (17)	95 (15)	1 (1)	37 (15)
04Y332	MPQ	9370 (15)	16.2 (8)	5.0 (1)	90 (13)	1 (1)	35 (13)
07Y515	L	9330 (16)	14.4 (12)	5.0 (1)	89 (11)	1 (1)	35 (11)
06Y175	MPQ	9320 (17)	17.6 (2)	5.0 (1)	89 (8)	1 (1)	35 (8)
MEAN		9830	15.6	5.0	89	4	35
CV		3.7	2.9	1.4	0.6	200.7	0.6
LSD (.05)		510	0.6		1	13	0
<i>Preliminary Lines and Varieties</i>							
07Y163	SPQ	10520 (1)	15.3 (25)	4.9 (27)	82 (1)	45 (34)	32 (1)
07Y508	L	10440 (2)	14.8 (29)	5.0 (1)	88 (20)	1 (1)	35 (20)
07Y435	M	10370 (3)	16.5 (16)	5.0 (1)	89 (24)	1 (1)	35 (24)
05Y547	LR	10330 (4)	14.4 (31)	5.0 (1)	90 (30)	1 (1)	35 (30)
07Y235	M	10330 (5)	16.5 (16)	5.0 (1)	87 (17)	1 (1)	34 (17)
07Y276	M	10260 (6)	17.3 (6)	4.9 (31)	87 (17)	1 (1)	34 (17)
M206	M	10210 (7)	17.6 (3)	5.0 (1)	88 (20)	1 (1)	35 (20)
07Y210	S	10200 (8)	17.8 (2)	3.5 (33)	89 (24)	1 (1)	35 (24)
07Y262	M	10170 (9)	17.2 (7)	5.0 (1)	89 (23)	1 (1)	35 (23)
06Y199	SPQ	10080 (10)	15.8 (23)	5.0 (1)	85 (8)	3 (32)	33 (8)
07Y255	M	10080 (11)	17.3 (5)	5.0 (1)	84 (6)	1 (1)	33 (6)
07Y213	S	10040 (12)	16.4 (20)	5.0 (1)	85 (10)	1 (1)	34 (10)
07Y440	M	10030 (13)	15.9 (22)	5.0 (1)	85 (10)	1 (1)	34 (10)
07Y268	M	10030 (14)	16.7 (13)	5.0 (1)	86 (12)	1 (1)	34 (12)
07Y383	M	10010 (15)	16.6 (15)	5.0 (1)	86 (12)	1 (1)	34 (12)
04Y330	MPQ	10000 (16)	17.0 (9)	5.0 (1)	85 (8)	3 (32)	33 (8)
07Y183	SPQ	9920 (17)	16.7 (10)	4.7 (32)	83 (2)	1 (1)	33 (2)
07Y217	SWX	9860 (18)	18.2 (1)	1.8 (34)	84 (4)	1 (1)	33 (4)
07Y412	M	9810 (19)	16.7 (12)	5.0 (1)	88 (19)	1 (1)	34 (19)
07Y186	MPQ	9810 (20)	16.5 (18)	5.0 (1)	89 (24)	1 (1)	35 (24)
07Y232	M	9770 (21)	16.6 (14)	5.0 (1)	84 (6)	1 (1)	33 (6)
07Y277	M	9740 (22)	16.1 (21)	5.0 (1)	84 (4)	1 (1)	33 (4)
CH-201	SPQ	9720 (23)	15.1 (26)	5.0 (1)	89 (24)	1 (1)	35 (24)
07Y545	LR	9700 (24)	14.4 (32)	5.0 (1)	94 (33)	1 (1)	37 (33)
07Y226	M	9680 (25)	16.4 (19)	5.0 (1)	83 (2)	1 (1)	33 (2)
07Y492	L	9680 (26)	13.8 (33)	5.0 (1)	89 (24)	1 (1)	35 (24)
07Y389	M	9620 (27)	17.5 (4)	5.0 (1)	87 (15)	1 (1)	34 (16)
07Y534	LSR	9610 (28)	15.7 (24)	5.0 (1)	94 (33)	1 (1)	37 (33)
07Y176	SPQ	9570 (29)	16.7 (11)	5.0 (1)	86 (12)	1 (1)	34 (12)
05Y552	LJ	9560 (30)	13.5 (34)	4.9 (27)	90 (29)	1 (1)	35 (29)
06Y184	MPQ	9470 (31)	17.1 (8)	5.0 (1)	88 (20)	1 (1)	35 (20)
07Y516	LSR	9250 (32)	15.0 (27)	5.0 (1)	94 (32)	1 (1)	37 (32)
07Y533	L	9230 (33)	14.5 (30)	4.9 (27)	91 (31)	1 (1)	36 (31)
07Y495	LSR	9050 (34)	14.9 (28)	4.9 (27)	87 (15)	1 (1)	34 (15)
MEAN		9890	16.1	4.8	87	2	34
CV		3.4	2.6	3.6	1	253.1	0.9
LSD (.05)		680	0.8	0.4	2	12	1

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

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

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

Numbers in parentheses indicate relative rank in column.

Table 6. 2008 Very Early Rice Variety Test - Yolo

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	11120 (1)	15.3 (11)	5.0 (1)	92 (14)	1 (1)	36 (14)
05Y724	M	10750 (2)	17.9 (4)	5.0 (1)	86 (3)	1 (1)	34 (3)
05Y196	SPQ	10530 (3)	17.8 (6)	5.0 (1)	87 (7)	23 (16)	34 (8)
05Y471	M	10520 (4)	17.0 (8)	5.0 (1)	84 (1)	6 (14)	33 (1)
M206	M	10480 (5)	17.9 (5)	5.0 (1)	88 (10)	2 (9)	35 (10)
S-102	S	10340 (6)	14.7 (16)	5.0 (1)	86 (4)	2 (9)	34 (4)
L206	L	10210 (7)	14.7 (15)	4.7 (17)	90 (12)	1 (1)	35 (12)
04Y177	SPQ	10150 (8)	15.5 (9)	5.0 (1)	87 (6)	1 (1)	34 (6)
M202	M	10140 (9)	18.6 (2)	5.0 (1)	92 (14)	9 (15)	36 (14)
01Y655	LR	10060 (10)	14.9 (14)	5.0 (1)	97 (17)	2 (9)	38 (17)
M104	M	9930 (11)	17.0 (7)	5.0 (1)	85 (2)	1 (1)	33 (2)
06Y513	L	9840 (12)	15.0 (13)	5.0 (1)	92 (13)	1 (1)	36 (13)
CM-101	SWX	9830 (13)	15.3 (10)	5.0 (1)	86 (4)	2 (9)	34 (4)
07Y515	L	9770 (14)	14.6 (17)	5.0 (16)	89 (11)	1 (1)	35 (11)
04Y332	MPQ	9610 (15)	18.0 (3)	5.0 (1)	88 (9)	2 (9)	35 (9)
L205	LR	9590 (16)	15.1 (12)	5.0 (1)	92 (14)	1 (1)	36 (14)
06Y175	MPQ	9200 (17)	19.0 (1)	5.0 (1)	87 (7)	60 (17)	34 (7)
MEAN		10120	16.4	5.0	89	7	35
CV		3.1	4.5	1.3	0.8	149.4	0.8
LSD (.05)		440	1.1	0.1	1	14	0

*Preliminary Lines and Varieties*

07Y268	M	10750 (1)	17.9 (4)	5.0 (1)	87 (15)	3 (24)	34 (16)
CH-201	SPQ	10740 (2)	15.1 (28)	5.0 (1)	88 (18)	58 (34)	35 (18)
07Y213	S	10740 (3)	17.5 (10)	5.0 (1)	91 (29)	50 (33)	36 (29)
07Y210	S	10700 (4)	17.1 (13)	4.5 (32)	91 (29)	11 (31)	36 (29)
07Y262	M	10650 (5)	18.3 (3)	5.0 (1)	88 (18)	1 (1)	35 (18)
07Y534	LSR	10580 (6)	16.1 (26)	4.8 (30)	92 (33)	1 (1)	36 (33)
M206	M	10540 (7)	18.4 (1)	5.0 (1)	88 (18)	6 (29)	35 (18)
05Y547	LR	10440 (8)	14.7 (32)	5.0 (1)	92 (32)	3 (24)	36 (32)
07Y435	M	10340 (9)	18.3 (2)	5.0 (1)	88 (18)	1 (1)	35 (18)
07Y276	M	10300 (10)	17.3 (11)	5.0 (1)	85 (6)	6 (29)	34 (6)
07Y492	L	10220 (11)	13.9 (34)	5.0 (1)	89 (26)	1 (1)	35 (26)
07Y383	M	10210 (12)	17.2 (12)	5.0 (1)	85 (5)	1 (1)	33 (5)
07Y508	L	10170 (13)	16.1 (27)	5.0 (1)	88 (18)	1 (1)	35 (18)
07Y255	M	10160 (14)	17.0 (15)	5.0 (1)	84 (1)	1 (1)	33 (1)
04Y330	MPQ	10100 (15)	17.6 (6)	5.0 (1)	85 (6)	1 (1)	34 (6)
07Y163	SPQ	10060 (16)	17.5 (9)	5.0 (1)	85 (6)	11 (31)	34 (6)
07Y412	M	10050 (17)	16.9 (17)	5.0 (1)	85 (6)	1 (1)	34 (6)
07Y516	LSR	10040 (18)	16.6 (22)	5.0 (1)	92 (33)	1 (1)	36 (33)
06Y184	MPQ	10020 (19)	16.7 (20)	5.0 (1)	89 (23)	1 (1)	35 (23)
07Y440	M	9990 (20)	16.6 (21)	5.0 (1)	87 (15)	1 (1)	34 (16)
07Y232	M	9980 (21)	17.7 (5)	5.0 (1)	85 (6)	1 (1)	34 (6)
07Y533	L	9950 (22)	14.8 (31)	5.0 (1)	90 (28)	1 (1)	35 (28)
07Y226	M	9900 (23)	16.9 (18)	5.0 (1)	84 (1)	1 (1)	33 (1)
07Y186	MPQ	9850 (24)	16.5 (23)	5.0 (1)	89 (23)	1 (1)	35 (23)
06Y199	SPQ	9790 (25)	16.7 (19)	4.8 (30)	86 (13)	3 (24)	34 (13)
07Y389	M	9770 (26)	17.6 (7)	5.0 (1)	86 (12)	1 (1)	34 (12)
07Y235	M	9690 (27)	17.1 (14)	5.0 (1)	84 (1)	3 (24)	33 (1)
07Y277	M	9680 (28)	17.5 (8)	5.0 (1)	84 (1)	3 (24)	33 (1)
07Y176	SPQ	9660 (29)	16.3 (25)	5.0 (1)	87 (14)	1 (1)	34 (14)
07Y183	SPQ	9640 (30)	17.0 (16)	5.0 (1)	90 (27)	1 (1)	35 (27)
05Y552	LJ	9620 (31)	14.0 (33)	5.0 (1)	89 (23)	1 (1)	35 (23)
07Y495	LSR	9570 (32)	15.1 (29)	4.5 (32)	87 (15)	1 (1)	34 (15)
07Y545	LR	9520 (33)	14.8 (30)	5.0 (1)	91 (31)	1 (1)	36 (31)
07Y217	SWX	8080 (34)	16.5 (24)	2.5 (34)	85 (6)	1 (1)	34 (6)
MEAN		10040	16.6	4.9	87	5	34
CV		3.5	3.8	3.9	0.6	191.5	0.6
LSD (.05)		720	1.3	0.4	1	20	0

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

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

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

Numbers in parentheses indicate relative rank in column.

Table 7. 2008 Very Early Rice Variety Test - San Joaquin

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	10440 (1)	16.4 (10)	5.0 (9)	113 (11)	1 (1)	45 (11)
05Y724	M	10020 (2)	19.3 (6)	4.9 (10)	111 (7)	1 (1)	44 (7)
S-102	S	10000 (3)	15.4 (13)	5.0 (1)	107 (1)	1 (1)	42 (1)
M104	M	9780 (4)	18.4 (7)	4.9 (10)	110 (4)	1 (1)	43 (4)
CM-101	SWX	9470 (5)	16.0 (11)	4.8 (16)	108 (2)	1 (1)	43 (2)
05Y196	SPQ	9450 (6)	19.8 (4)	5.0 (1)	111 (8)	1 (1)	44 (8)
04Y177	SPQ	9390 (7)	16.8 (9)	5.0 (1)	109 (3)	1 (1)	43 (3)
05Y471	M	9390 (8)	18.0 (8)	4.8 (14)	110 (5)	1 (1)	43 (5)
M206	M	9360 (9)	19.6 (5)	4.9 (13)	111 (8)	1 (1)	44 (8)
06Y513	L	8960 (10)	15.0 (15)	5.0 (1)	114 (12)	1 (1)	45 (12)
01Y655	LR	8930 (11)	15.6 (12)	5.0 (1)	116 (15)	1 (1)	46 (15)
L206	L	8160 (12)	14.6 (17)	4.9 (10)	110 (5)	1 (1)	43 (5)
06Y175	MPQ	7890 (13)	21.8 (2)	5.0 (1)	115 (13)	1 (1)	45 (13)
07Y515	L	7780 (14)	14.7 (16)	4.8 (15)	111 (8)	1 (1)	44 (8)
M202	M	7770 (15)	21.6 (3)	5.0 (1)	121 (17)	1 (1)	48 (17)
L205	LR	7580 (16)	15.4 (14)	4.8 (16)	115 (14)	1 (1)	45 (14)
04Y332	MPQ	6970 (17)	21.9 (1)	5.0 (1)	120 (16)	1 (1)	47 (16)
MEAN		8900	17.7	4.9	112	1	44
CV		3.6	5	3.2	0.7		0.7
LSD (.05)		460	1.3		1		0

*Preliminary Lines and Varieties*

07Y383	M	10510 (1)	17.7 (12)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y163	SPQ	10420 (2)	18.9 (3)	4.4 (32)	109 (1)	1 (1)	43 (1)
07Y508	L	9920 (3)	14.9 (30)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y412	M	9660 (4)	17.9 (8)	5.0 (1)	110 (6)	1 (1)	43 (6)
07Y210	S	9580 (5)	17.4 (13)	4.3 (33)	111 (24)	1 (1)	44 (24)
06Y199	SPQ	9480 (6)	15.9 (26)	5.0 (1)	109 (2)	1 (1)	43 (2)
07Y268	M	9460 (7)	16.7 (21)	5.0 (1)	110 (6)	1 (1)	43 (6)
M206	M	9400 (8)	17.8 (11)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y277	M	9340 (9)	16.8 (20)	5.0 (1)	110 (6)	1 (1)	43 (6)
07Y255	M	9330 (10)	17.9 (9)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y213	S	9270 (11)	17.3 (15)	4.7 (29)	109 (2)	1 (1)	43 (2)
07Y435	M	9200 (12)	17.8 (10)	5.0 (1)	111 (24)	1 (1)	44 (24)
07Y389	M	9200 (13)	18.5 (5)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y262	M	9190 (14)	18.2 (7)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y186	SPQ	9150 (15)	17.3 (14)	5.0 (1)	110 (6)	1 (1)	43 (6)
07Y440	M	9120 (16)	17.0 (19)	4.7 (28)	109 (2)	1 (1)	43 (2)
07Y176	SPQ	9070 (17)	16.5 (23)	5.0 (1)	111 (24)	1 (1)	44 (24)
07Y235	M	9020 (18)	16.3 (25)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y276	M	8980 (19)	17.3 (16)	5.0 (1)	110 (6)	1 (1)	43 (6)
05Y552	LJ	8950 (20)	14.1 (33)	5.0 (1)	110 (12)	1 (1)	43 (12)
06Y184	MPQ	8540 (21)	18.4 (6)	4.9 (26)	111 (24)	1 (1)	44 (24)
07Y183	MPQ	8280 (22)	17.2 (17)	4.9 (24)	111 (28)	1 (1)	44 (28)
04Y330	MPQ	8260 (23)	20.5 (1)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y232	M	8180 (24)	18.6 (4)	4.8 (27)	110 (6)	1 (1)	43 (6)
07Y217	SWX	8130 (25)	19.1 (2)	3.3 (34)	109 (2)	1 (1)	43 (2)
CH-201	SPQ	8100 (26)	16.7 (22)	5.0 (1)	113 (32)	1 (1)	45 (32)
07Y516	LSR	7940 (27)	15.7 (27)	5.0 (1)	113 (31)	1 (1)	44 (31)
05Y547	LR	7780 (28)	14.5 (31)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y492	L	7640 (29)	13.6 (34)	5.0 (1)	111 (28)	1 (1)	44 (28)
07Y534	LSR	7580 (30)	16.3 (24)	4.6 (30)	114 (33)	1 (1)	45 (33)
07Y226	M	7530 (31)	17.1 (18)	5.0 (1)	110 (12)	1 (1)	43 (12)
07Y545	LR	7410 (32)	15.3 (28)	5.0 (1)	116 (34)	1 (1)	46 (34)
07Y533	L	7240 (33)	14.3 (32)	4.5 (31)	112 (30)	1 (1)	44 (30)
07Y495	LSR	6790 (34)	15.0 (29)	4.9 (24)	110 (12)	1 (1)	43 (12)
MEAN		8750	16.9	4.8	110	1	43
CV		6.7	3.2	5.4	1.3		1.3
LSD (.05)		1190	1.1	0.5	3		1

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

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

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

Numbers in parentheses indicate relative rank in column.

Table 8. Grain Yield (lb/acre @14% moisture) Summary of Very Early Rice Varieties by Location and Year (2004-2008)

Location	Year	M-104	M-202	M-206	Calmochi			
					101	S-102	L-205	L-206
Biggs (RES)	2004	<b>9380</b>	9050	10210	8150	9620	10350	10930
	2005	<b>5860</b>	7560	7970	7220	8350	8920	8400
	2006	<b>7970</b>	8960	9280	8490	9170	9350	9990
	2007	<b>8930</b>	10250	11030	6740	10730	9550	10360
	2008	<b>10000</b>	10170	10900	9960	10240	10010	11180
Location Mean		<b>8428</b>	9198	9878	8112	9622	9636	10172
San Joaquin	2004	<b>8880</b>	8530	9110	9250	8330	8050	8440
	2005	<b>7810</b>	7530	7550	8480	8430	7450	7190
	2006*	-	-	-	-	-	-	-
	2007	<b>9050</b>	6130	9380	9650	10340	7430	9850
	2008	<b>9780</b>	7770	9360	9470	10000	7580	8160
Location Mean		<b>8880</b>	7490	8850	9213	9275	7628	8410
Sutter	2004	<b>10400</b>	11090	10150	10750	11050	10400	10650
	2005	<b>7800</b>	7220	7570	7090	8510	7440	7310
	2006	<b>8480</b>	8580	8780	8640	9780	7970	9030
	2007	<b>10680</b>	10740	11250	11140	11100	10000	10440
	2008	<b>10100</b>	9540	9800	10010	10190	9490	9840
Location Mean		<b>9492</b>	9434	9510	9526	10126	9060	9454
Yolo	2004**	-	-	-	-	-	-	-
	2005	<b>8830</b>	9750	9600	8800	9460	9740	9640
	2006	<b>8020</b>	8700	8360	7610	8730	8570	8290
	2007	<b>7510</b>	7220	7350	7500	7140	7010	7520
	2008	<b>9930</b>	10140	10480	9830	10340	9590	10210
Location Mean		<b>8573</b>	8953	8948	8435	8918	8728	8915
Loc/Years Mean		<b>8856</b>	8829	9341	8821	9528	8828	9302
Yield % M-104		<b>100.0</b>	<b>99.7</b>	<b>105.5</b>	<b>99.6</b>	<b>107.6</b>	<b>99.7</b>	<b>105.0</b>
Number of Tests		<b>18</b>	18	18	18	18	18	18

\* Test location not planted in 2006.

\*\* Severe herbicide damage, yield data not used.

Table 9. 2008 Early Rice Variety Tests - Four Location Summary

*Advanced Lines and Varieties*

Variety	Grain Type	Ave Grain Yield at 14% Moisture		Single Location Yields				Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		lbs/acre	Biggs	Butte	Yuba	Colusa						
05Y724	M	<b>10310 (1)</b>	11050 (2)	8860 (1)	10600 (6)	10720 (1)	17.6 (7)	4.9 (10)	87 (6)	19 (11)	37 (10)	
06Y575	LR	<b>10270 (2)</b>	11270 (1)	8410 (8)	10970 (2)	10430 (2)	15.9 (13)	4.9 (6)	90 (10)	3 (6)	37 (12)	
07Y752	LSR	<b>10110 (3)</b>	10920 (5)	8360 (10)	10860 (3)	10280 (3)	16.1 (12)	4.8 (16)	89 (8)	1 (1)	37 (6)	
L206	L	<b>10060 (4)</b>	10820 (7)	8700 (2)	11000 (1)	9730 (11)	14.4 (18)	4.9 (11)	86 (5)	2 (4)	35 (3)	
M206	M	<b>9970 (5)</b>	10620 (9)	8450 (6)	10720 (4)	10080 (6)	17.1 (8)	4.9 (9)	88 (7)	7 (8)	37 (8)	
06Y513	L	<b>9960 (6)</b>	11050 (3)	8580 (3)	10630 (5)	9570 (12)	15.2 (16)	4.9 (6)	90 (9)	1 (1)	37 (9)	
M205	M	<b>9900 (7)</b>	10800 (8)	8220 (12)	10500 (7)	10080 (5)	18.6 (1)	4.9 (11)	95 (18)	6 (7)	39 (18)	
05Y471	M	<b>9850 (8)</b>	10590 (10)	8450 (7)	10270 (9)	10100 (4)	16.9 (9)	4.9 (15)	83 (2)	9 (9)	35 (4)	
M208	M	<b>9790 (9)</b>	10480 (12)	8390 (9)	10490 (8)	9780 (10)	16.8 (10)	5.0 (4)	92 (16)	9 (10)	38 (17)	
04Y308	MPQ	<b>9670 (10)</b>	10870 (6)	7690 (15)	10250 (10)	9860 (9)	17.8 (4)	5.0 (2)	91 (13)	21 (12)	38 (13)	
S-102	S	<b>9530 (11)</b>	10950 (4)	7470 (16)	9830 (14)	9870 (8)	15.6 (14)	4.9 (6)	82 (1)	45 (17)	35 (1)	
M202	M	<b>9460 (12)</b>	10580 (11)	7150 (18)	10140 (12)	9950 (7)	18.1 (2)	5.0 (4)	91 (14)	25 (13)	38 (14)	
06Y333	MPQ	<b>9380 (13)</b>	10220 (13)	8520 (4)	9780 (15)	9000 (16)	17.8 (6)	5.0 (1)	91 (15)	26 (14)	38 (15)	
06Y599	LR	<b>9310 (14)</b>	9920 (16)	8160 (13)	10190 (11)	8980 (17)	15.2 (15)	4.9 (13)	90 (12)	2 (5)	37 (11)	
L205	LR	<b>9240 (15)</b>	9700 (17)	8220 (11)	9890 (13)	9140 (15)	14.9 (17)	4.7 (17)	90 (11)	1 (1)	37 (7)	
06Y322	MPQ	<b>9200 (16)</b>	10060 (15)	8130 (14)	9050 (18)	9560 (13)	17.8 (3)	5.0 (2)	92 (17)	27 (15)	38 (16)	
CM-101	SWX	<b>9010 (17)</b>	10120 (14)	7390 (17)	9310 (17)	9230 (14)	16.6 (11)	4.9 (14)	83 (3)	42 (16)	35 (2)	
04Y177a	SPQ	<b>8860 (18)</b>	9490 (18)	8520 (5)	9410 (16)	8040 (18)	17.8 (5)	4.7 (18)	85 (4)	81 (18)	35 (5)	
MEAN		<b>9660</b>	10530	8200	10220	9690	16.7	4.9	89	18	37	
CV		<b>5.1</b>	4.4	7.3	4.2	4.9	5.3	2.4	1.2	75.3	2	
LSD (.05)		<b>340</b>	660	850	600	670	0.6	0.1	1	9	1	

*Preliminary Lines and Varieties*

M206	M	<b>9970 (1)</b>	10390 (10)	8990 (2)	10350 (7)	10140 (4)	16.9 (16)	4.9 (11)	86 (9)	21 (29)	36 (13)
08Y084	L	<b>9830 (2)</b>	10880 (1)	7550 (23)	10560 (5)	10340 (1)	15.1 (29)	4.9 (28)	91 (25)	5 (13)	37 (24)
07Y559	L	<b>9780 (3)</b>	9880 (23)	7720 (16)	11220 (1)	10290 (2)	14.7 (33)	4.9 (11)	88 (18)	1 (1)	36 (12)
07Y526	LJ	<b>9770 (4)</b>	10140 (17)	7890 (11)	10970 (2)	10100 (6)	14.9 (30)	4.9 (21)	91 (28)	1 (1)	38 (32)
07Y253	M	<b>9730 (5)</b>	10440 (8)	8370 (5)	10010 (12)	10100 (5)	17.3 (6)	4.9 (26)	88 (19)	9 (20)	37 (27)
06Y696	M	<b>9690 (6)</b>	10820 (2)	7870 (12)	10100 (11)	9990 (7)	17.4 (4)	5.0 (1)	91 (29)	11 (23)	38 (28)
07Y293	SPQ	<b>9620 (7)</b>	10490 (5)	7600 (20)	10690 (4)	9700 (13)	16.9 (11)	4.9 (26)	87 (13)	22 (30)	36 (6)
03Y496	LSR	<b>9610 (8)</b>	10090 (20)	7300 (27)	10770 (3)	10260 (3)	17.5 (3)	4.8 (31)	93 (33)	1 (1)	38 (29)
07Y254	M	<b>9610 (9)</b>	10320 (12)	8010 (9)	10110 (9)	9990 (8)	16.6 (21)	4.9 (11)	87 (15)	25 (33)	37 (17)
07Y227	M	<b>9600 (10)</b>	10770 (3)	8520 (4)	9700 (18)	9430 (22)	16.1 (25)	4.9 (29)	85 (5)	2 (8)	36 (10)
07Y350	S	<b>9560 (11)</b>	9860 (24)	9210 (1)	9680 (19)	9490 (20)	16.1 (26)	4.9 (9)	86 (6)	12 (24)	35 (3)
07Y251	M	<b>9490 (12)</b>	10480 (7)	7990 (10)	9940 (15)	9560 (16)	16.7 (19)	4.9 (21)	86 (11)	14 (26)	37 (20)
07Y182	SPQ	<b>9480 (13)</b>	10050 (22)	8070 (8)	10300 (8)	9500 (19)	17.1 (10)	4.9 (21)	89 (21)	8 (18)	37 (16)
07Y414	M	<b>9480 (14)</b>	10270 (13)	7760 (14)	10100 (10)	9790 (11)	17.5 (2)	5.0 (5)	87 (13)	9 (21)	37 (19)
07Y259	M	<b>9460 (15)</b>	10120 (18)	8740 (3)	9570 (23)	9410 (23)	16.7 (19)	4.9 (18)	86 (7)	18 (28)	36 (13)
07Y296	SPQ	<b>9430 (16)</b>	10380 (11)	7500 (25)	9890 (17)	9950 (9)	16.9 (12)	4.9 (11)	86 (7)	6 (15)	36 (8)
07Y447	M	<b>9360 (17)</b>	10160 (15)	7760 (15)	9970 (13)	9550 (17)	16.4 (23)	4.9 (18)	90 (23)	22 (31)	37 (21)
07Y460	M	<b>9340 (18)</b>	10480 (6)	7670 (18)	9610 (22)	9590 (15)	16.9 (15)	4.8 (31)	87 (17)	17 (27)	37 (21)
07Y436	M	<b>9300 (19)</b>	9840 (26)	8370 (6)	9460 (25)	9540 (18)	16.8 (18)	4.9 (11)	87 (12)	6 (15)	36 (9)
07Y406	M	<b>9250 (20)</b>	10400 (9)	7390 (26)	9490 (24)	9730 (12)	17.3 (8)	4.9 (11)	87 (16)	2 (10)	37 (18)
07Y470	M	<b>9240 (21)</b>	10100 (19)	7580 (21)	9960 (14)	9310 (24)	16.3 (24)	5.0 (5)	89 (22)	11 (22)	38 (30)
07Y489	LA	<b>9110 (22)</b>	10550 (4)	6880 (30)	10380 (6)	8630 (31)	14.9 (31)	4.8 (33)	82 (1)	1 (1)	34 (1)
07Y364	SLA	<b>9090 (23)</b>	10180 (14)	7570 (22)	9450 (26)	9170 (26)	16.9 (13)	4.8 (33)	85 (4)	38 (35)	35 (5)
07Y168	SPQ	<b>9070 (24)</b>	10160 (16)	7680 (17)	9380 (27)	9050 (28)	17.3 (7)	4.9 (18)	82 (2)	6 (14)	34 (2)
07Y320	MPQ	<b>9060 (25)</b>	9850 (25)	8250 (7)	8690 (31)	9440 (21)	17.8 (1)	4.5 (35)	91 (27)	59 (36)	38 (34)
07Y462	M	<b>9040 (26)</b>	9620 (27)	7500 (24)	9230 (29)	9830 (10)	16.8 (17)	5.0 (5)	86 (10)	2 (9)	36 (7)
07Y369	SBG	<b>8980 (27)</b>	10060 (21)	6330 (33)	9930 (16)	9600 (14)	17.1 (9)	4.9 (21)	83 (3)	8 (17)	35 (4)
07Y343	MPQ	<b>8960 (28)</b>	9400 (30)	7640 (19)	9650 (21)	9140 (27)	17.4 (5)	5.0 (3)	92 (30)	8 (18)	38 (31)
06Y629	MPQ	<b>8770 (29)</b>	9450 (29)	7860 (13)	8590 (32)	9180 (25)	16.9 (14)	5.0 (1)	92 (32)	12 (25)	38 (35)
07Y603	LA	<b>8660 (30)</b>	9240 (32)	7130 (28)	9310 (28)	8960 (29)	14.7 (32)	4.9 (29)	91 (25)	1 (1)	37 (26)
CH-201	SPQ	<b>8350 (31)</b>	9520 (28)	6360 (32)	8880 (30)	8640 (30)	15.5 (28)	4.9 (9)	90 (24)	35 (34)	37 (15)
06Y545	LB	<b>8230 (32)</b>	8880 (34)	6270 (34)	9670 (20)	8120 (32)	15.7 (27)	5.0 (2)	93 (35)	3 (11)	37 (23)
07Y599	LJ	<b>7470 (33)</b>	9320 (31)	5130 (36)	7720 (34)	7720 (33)	13.7 (36)	4.9 (11)	92 (31)	3 (11)	37 (25)
CT201	LB	<b>7290 (34)</b>	8120 (35)	6780 (31)	7660 (35)	6610 (34)	14.0 (35)	4.9 (21)	93 (34)	1 (1)	38 (36)
06Y707	LJ	<b>7140 (35)</b>	9050 (33)	5250 (35)	8520 (33)	5740 (35)	16.5 (22)	1.7 (36)	95 (36)	23 (32)	38 (33)
CT202	LB	<b>6740 (36)</b>	7930 (36)	7020 (29)	6250 (36)	5740 (36)	14.2 (34)	5.0 (4)	88 (20)	1 (1)	36 (10)
MEAN		<b>9070</b>	9940	7540	9600	9200	16.3	4.8	88	12	37
CV		<b>5.6</b>	4.4	8.6	5.8	3.6	3.8	4	1.2	118.6	2.1
LSD (.05)		<b>500</b>	890	1310	1140	680	0.6	0.2	1	14	1

S = short; M = medium; A = aromatic; L = long; BG = bold grain; B = Basmati; J = Jasmine; LA = low amaloise; 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 10. 2008 Early Rice Variety Test - Biggs

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
06Y575	LR	11270 (1)	17.8 (4)	4.8 (10)	90 (8)	1 (1)	35 (8)
05Y724	M	11050 (2)	16.9 (9)	4.8 (9)	87 (6)	30 (14)	34 (6)
06Y513	L	11050 (3)	16.6 (12)	4.8 (10)	92 (11)	1 (1)	36 (11)
S-102	S	10950 (4)	14.4 (18)	4.8 (5)	81 (1)	68 (16)	32 (1)
07Y752	LSR	10920 (5)	17.1 (7)	4.4 (18)	90 (9)	1 (1)	35 (9)
04Y308	MPQ	10870 (6)	18.2 (1)	5.0 (2)	92 (13)	1 (1)	36 (13)
L206	L	10820 (7)	15.7 (17)	4.5 (16)	86 (4)	1 (1)	34 (4)
M205	M	10800 (8)	17.8 (3)	4.7 (13)	97 (18)	1 (1)	38 (18)
M206	M	10620 (9)	17.4 (6)	4.7 (12)	89 (7)	1 (1)	35 (7)
05Y471	M	10590 (10)	16.1 (16)	4.7 (13)	82 (2)	7 (11)	32 (2)
M202	M	10580 (11)	16.7 (10)	4.9 (4)	92 (12)	9 (12)	36 (12)
M208	M	10480 (12)	16.7 (11)	4.8 (6)	93 (14)	3 (10)	36 (14)
06Y333	MPQ	10220 (13)	17.6 (5)	5.0 (1)	93 (15)	13 (13)	37 (15)
CM-101	SWX	10120 (14)	16.5 (13)	4.8 (6)	82 (3)	71 (17)	32 (3)
06Y322	MPQ	10060 (15)	18.0 (2)	4.9 (3)	94 (17)	30 (14)	37 (17)
06Y599	LR	9920 (16)	17.1 (8)	4.6 (15)	93 (16)	1 (1)	37 (16)
L205	LR	9700 (17)	16.5 (14)	4.5 (17)	91 (10)	1 (1)	36 (10)
04Y177a	SPQ	9490 (18)	16.2 (15)	4.8 (6)	87 (5)	90 (18)	34 (5)
MEAN		10530	16.8	4.7	89	18	35
CV		4.4	4.9	2.3	1.1	56.8	1.1
LSD (.05)		660	1.2	0.2	1	15	1
<i>Preliminary Lines and Varieties</i>							
08Y084	L	10880 (1)	16.6 (15)	4.7 (21)	91 (29)	16 (25)	36 (29)
06Y696	M	10820 (2)	17.3 (6)	4.9 (4)	91 (28)	8 (19)	36 (28)
07Y227	M	10770 (3)	15.3 (33)	4.6 (28)	87 (10)	1 (1)	34 (13)
07Y489	LA	10550 (4)	15.0 (34)	4.6 (27)	83 (3)	1 (1)	33 (3)
07Y293	SPQ	10490 (5)	15.9 (23)	4.9 (4)	87 (10)	50 (33)	34 (10)
07Y460	M	10480 (6)	16.9 (10)	4.6 (28)	88 (14)	20 (27)	34 (14)
07Y251	M	10480 (7)	17.0 (9)	4.7 (23)	88 (14)	1 (1)	34 (14)
07Y253	M	10440 (8)	18.0 (1)	4.8 (14)	88 (16)	8 (19)	35 (17)
07Y406	M	10400 (9)	16.3 (20)	4.8 (9)	89 (20)	6 (15)	35 (20)
M206	M	10390 (10)	17.2 (7)	4.7 (17)	88 (16)	8 (19)	35 (17)
07Y296	SPQ	10380 (11)	15.9 (24)	4.7 (17)	84 (4)	21 (28)	33 (4)
07Y254	M	10320 (12)	16.2 (21)	4.9 (4)	87 (10)	33 (31)	34 (10)
07Y414	M	10270 (13)	17.9 (2)	4.8 (9)	88 (16)	6 (15)	35 (16)
07Y364	SLA	10180 (14)	15.6 (27)	4.7 (23)	84 (4)	65 (36)	33 (4)
07Y447	M	10160 (15)	16.5 (16)	4.6 (28)	90 (23)	6 (15)	35 (23)
07Y168	SPQ	10160 (16)	15.6 (26)	4.6 (28)	80 (1)	21 (28)	32 (1)
07Y526	LJ	10140 (17)	16.1 (22)	4.5 (35)	90 (25)	1 (1)	35 (25)
07Y259	M	10120 (18)	17.8 (4)	4.6 (28)	87 (8)	43 (32)	34 (9)
07Y470	M	10100 (19)	16.5 (16)	4.8 (9)	90 (26)	1 (1)	35 (26)
03Y496	LSR	10090 (20)	16.9 (11)	4.6 (28)	90 (27)	1 (1)	36 (27)
07Y369	SBG	10060 (21)	16.8 (13)	4.8 (14)	82 (2)	16 (25)	32 (2)
07Y182	SPQ	10050 (22)	16.4 (19)	4.6 (34)	88 (16)	1 (1)	35 (17)
07Y559	L	9880 (23)	15.6 (27)	4.7 (17)	87 (8)	1 (1)	34 (8)
07Y350	S	9860 (24)	15.5 (30)	4.8 (14)	85 (7)	8 (19)	34 (7)
07Y320	MPQ	9850 (25)	15.6 (27)	4.7 (23)	92 (30)	55 (35)	36 (30)
07Y436	M	9840 (26)	16.8 (12)	4.7 (17)	87 (10)	23 (30)	34 (10)
07Y462	M	9620 (27)	16.7 (14)	4.8 (9)	84 (4)	1 (1)	33 (4)
CH-201	SPQ	9520 (28)	14.7 (36)	5.0 (1)	90 (23)	50 (33)	35 (23)
06Y629	MPQ	9450 (29)	17.2 (7)	5.0 (1)	93 (33)	6 (15)	37 (33)
07Y343	MPQ	9400 (30)	17.6 (5)	4.9 (4)	93 (32)	1 (1)	36 (32)
07Y599	LJ	9320 (31)	15.3 (32)	4.7 (21)	89 (21)	11 (23)	35 (21)
07Y603	LA	9240 (32)	15.8 (25)	4.7 (23)	92 (31)	1 (1)	36 (31)
06Y707	LJ	9050 (33)	17.8 (3)	2.8 (36)	99 (36)	1 (1)	39 (36)
06Y545	LB	8880 (34)	16.4 (18)	5.0 (3)	94 (34)	11 (23)	37 (34)
CT201	LB	8120 (35)	15.4 (31)	4.8 (9)	94 (34)	1 (1)	37 (34)
CT202	LB	7930 (36)	15.0 (35)	4.8 (8)	89 (21)	1 (1)	35 (21)
MEAN		9940	16.3	4.7	88	14	35
CV		4.4	4.3	2.4	1.3	110.2	1.3
LSD (.05)		890	1.4	0.2	2	31	1

S = short; M = medium; A = aromatic; L = long; BG = bold grain; B = Basimati; J = Jasmine; LA = low amalose; 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 11. 2008 Early Rice Variety Test - Butte

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
05Y724	M	8860 (1)	15.2 (6)	4.9 (14)	76 (3)	25 (15)	41 (15)
L206	L	8700 (2)	14.1 (16)	5.0 (1)	77 (4)	3 (4)	35 (1)
06Y513	L	8580 (3)	15.2 (5)	5.0 (1)	81 (10)	1 (1)	38 (3)
06Y333	MPQ	8520 (4)	15.0 (8)	5.0 (1)	82 (12)	50 (17)	39 (8)
04Y177a	SPQ	8520 (5)	16.1 (2)	4.2 (18)	77 (6)	50 (18)	38 (4)
M206	M	8450 (6)	14.0 (18)	5.0 (1)	77 (4)	23 (14)	39 (10)
05Y471	M	8450 (7)	14.1 (17)	4.9 (11)	74 (1)	4 (5)	40 (14)
06Y575	LR	8410 (8)	15.0 (9)	5.0 (1)	82 (16)	8 (10)	41 (15)
M208	M	8390 (9)	14.9 (11)	5.0 (1)	81 (10)	16 (12)	41 (18)
07Y752	LSR	8360 (10)	15.8 (4)	5.0 (1)	82 (15)	1 (1)	38 (5)
L205	LR	8220 (11)	14.4 (13)	4.8 (17)	81 (9)	1 (1)	37 (2)
M205	M	8220 (12)	15.9 (3)	4.9 (14)	85 (18)	13 (11)	38 (5)
06Y599	LR	8160 (13)	14.2 (15)	5.0 (1)	82 (12)	7 (7)	39 (7)
06Y322	MPQ	8130 (14)	14.2 (14)	5.0 (1)	82 (12)	7 (7)	39 (10)
04Y308	MPQ	7690 (15)	14.8 (12)	4.9 (11)	81 (8)	38 (16)	39 (12)
S-102	S	7470 (16)	15.2 (7)	4.9 (11)	76 (2)	17 (13)	41 (17)
CM-101	SWX	7390 (17)	16.5 (1)	4.8 (16)	77 (6)	6 (6)	39 (8)
M202	M	7150 (18)	15.0 (10)	5.0 (1)	83 (17)	8 (9)	40 (13)
MEAN		8200	15.0	4.9	80	15	39
CV		7.3	4.1	3.2	0.8	106.9	3.1
LSD (.05)		850	0.9	0.2	1	23	2
<i>Preliminary Lines and Varieties</i>							
07Y350	S	9210 (1)	13.6 (30)	5.0 (1)	80 (21)	36 (32)	35 (3)
M206	M	8990 (2)	13.4 (34)	5.0 (1)	77 (11)	46 (34)	41 (31)
07Y259	M	8740 (3)	13.5 (31)	5.0 (1)	75 (4)	26 (29)	40 (28)
07Y227	M	8520 (4)	14.2 (24)	4.9 (26)	75 (4)	1 (1)	40 (26)
07Y253	M	8370 (5)	15.0 (9)	4.8 (31)	77 (11)	3 (20)	42 (36)
07Y436	M	8370 (6)	14.2 (23)	5.0 (1)	75 (6)	1 (1)	38 (10)
07Y320	MPQ	8250 (7)	14.4 (19)	4.9 (29)	81 (22)	83 (36)	41 (33)
07Y182	SPQ	8070 (8)	13.8 (29)	5.0 (1)	79 (17)	26 (29)	38 (10)
07Y254	M	8010 (9)	14.4 (18)	5.0 (1)	75 (6)	3 (20)	39 (17)
07Y251	M	7990 (10)	14.0 (25)	4.9 (26)	74 (2)	36 (32)	40 (28)
07Y526	LJ	7890 (11)	15.3 (6)	5.0 (1)	83 (29)	1 (1)	41 (32)
06Y696	M	7870 (12)	14.3 (20)	4.9 (26)	82 (25)	3 (20)	39 (15)
06Y629	MPQ	7860 (13)	13.3 (36)	5.0 (1)	82 (26)	6 (26)	39 (17)
07Y414	M	7760 (14)	15.3 (7)	5.0 (1)	76 (9)	16 (27)	40 (26)
07Y447	M	7760 (15)	13.3 (35)	5.0 (1)	81 (23)	80 (35)	38 (12)
07Y559	L	7720 (16)	14.6 (15)	5.0 (1)	83 (29)	1 (1)	40 (24)
07Y168	SPQ	7680 (17)	14.0 (26)	5.0 (1)	73 (1)	1 (1)	36 (5)
07Y460	M	7670 (18)	14.9 (10)	5.0 (1)	77 (10)	26 (29)	40 (28)
07Y343	MPQ	7640 (19)	14.2 (22)	5.0 (1)	83 (31)	5 (25)	40 (22)
07Y293	SPQ	7600 (20)	15.2 (8)	5.0 (1)	79 (18)	1 (1)	37 (7)
07Y470	M	7580 (21)	14.0 (28)	5.0 (1)	78 (15)	1 (1)	41 (35)
07Y364	SLA	7570 (22)	15.4 (4)	4.9 (29)	79 (18)	21 (28)	40 (24)
08Y084	L	7550 (23)	14.9 (11)	4.8 (31)	84 (32)	1 (1)	39 (13)
07Y462	M	7500 (24)	14.9 (12)	5.0 (1)	81 (23)	3 (20)	39 (16)
07Y296	SPQ	7500 (25)	14.5 (16)	5.0 (1)	78 (13)	1 (1)	39 (17)
07Y406	M	7390 (26)	15.4 (3)	5.0 (1)	76 (8)	1 (1)	39 (17)
03Y496	LSR	7300 (27)	16.7 (1)	5.0 (1)	87 (36)	1 (1)	39 (17)
07Y603	LA	7130 (28)	15.3 (5)	5.0 (1)	82 (26)	1 (1)	39 (13)
CT202	LB	7020 (29)	13.5 (32)	5.0 (1)	78 (15)	1 (1)	36 (4)
07Y489	LA	6880 (30)	14.7 (14)	4.8 (31)	74 (2)	1 (1)	37 (6)
CT201	LB	6780 (31)	13.4 (33)	4.8 (31)	82 (26)	1 (1)	40 (22)
CH-201	SPQ	6360 (32)	14.0 (27)	4.8 (31)	84 (33)	3 (20)	37 (8)
07Y369	SBG	6330 (33)	16.5 (2)	5.0 (1)	78 (13)	1 (1)	41 (34)
06Y545	LB	6270 (34)	14.3 (21)	5.0 (1)	86 (35)	1 (1)	35 (2)
06Y707	LJ	5250 (35)	14.9 (13)	1.5 (36)	79 (18)	1 (1)	34 (1)
07Y599	LJ	5130 (36)	14.5 (17)	5.0 (1)	85 (34)	1 (1)	37 (8)
MEAN		7540	14.5	4.9	79	12	39
CV		8.6	4.4	2.7	1.1	145.9	3.5
LSD (.05)		1310	1.3	0.3	2	36	3

S = short; M = medium; A = aromatic; L = long; BG = bold grain; B = Basimati; J = Jasmine; LA = low amalose; 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 12. 2008 Early Rice Variety Test - Yuba

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
L206	L	11000 (1)	13.9 (18)	5.0 (1)	88 (3)	2 (6)	35 (3)
06Y575	LR	10970 (2)	15.7 (14)	5.0 (1)	93 (10)	1 (1)	37 (10)
07Y752	LSR	10860 (3)	15.8 (13)	5.0 (1)	92 (7)	1 (1)	36 (7)
M206	M	10720 (4)	19.1 (9)	5.0 (1)	93 (8)	4 (7)	37 (8)
06Y513	L	10630 (5)	14.5 (17)	5.0 (1)	91 (6)	1 (1)	36 (6)
05Y724	M	10600 (6)	20.2 (5)	5.0 (1)	93 (10)	21 (10)	37 (10)
M205	M	10500 (7)	20.4 (3)	5.0 (1)	99 (18)	8 (8)	39 (18)
M208	M	10490 (8)	18.0 (10)	5.0 (1)	96 (16)	17 (9)	38 (16)
05Y471	M	10270 (9)	19.3 (6)	4.9 (16)	88 (3)	23 (11)	35 (3)
04Y308	MPQ	10250 (10)	19.2 (7)	5.0 (1)	95 (14)	43 (13)	37 (14)
06Y599	LR	10190 (11)	15.2 (15)	5.0 (15)	93 (8)	1 (1)	37 (8)
M202	M	10140 (12)	21.6 (1)	5.0 (1)	94 (12)	82 (16)	37 (12)
L205	LR	9890 (13)	14.6 (16)	5.0 (1)	94 (12)	1 (1)	37 (12)
S-102	S	9830 (14)	17.6 (11)	5.0 (1)	84 (1)	92 (17)	33 (1)
06Y333	MPQ	9780 (15)	19.1 (8)	5.0 (1)	96 (16)	38 (12)	38 (16)
04Y177a	SPQ	9410 (16)	20.5 (2)	4.9 (16)	89 (5)	98 (18)	35 (5)
CM-101	SWX	9310 (17)	17.1 (12)	4.9 (16)	85 (2)	75 (15)	34 (2)
06Y322	MPQ	9050 (18)	20.3 (4)	5.0 (1)	96 (15)	69 (14)	38 (15)
MEAN		10220	17.9	5.0	92	32	36
CV		4.2	7.2	2.1	1.4	55.8	1.4
LSD (.05)		600	1.8		2	25	1
<i>Preliminary Lines and Varieties</i>							
07Y559	L	11220 (1)	14.5 (31)	5.0 (1)	90 (7)	1 (1)	35 (7)
07Y526	LJ	10970 (2)	12.9 (35)	5.0 (1)	94 (28)	1 (1)	37 (28)
03Y496	LSR	10770 (3)	19.6 (4)	5.0 (1)	95 (30)	1 (1)	37 (30)
07Y293	SPQ	10690 (4)	18.0 (24)	5.0 (1)	90 (7)	35 (29)	35 (7)
08Y084	L	10560 (5)	14.8 (30)	5.0 (1)	94 (24)	1 (1)	37 (24)
07Y489	LA	10380 (6)	15.1 (29)	5.0 (1)	83 (1)	1 (1)	33 (1)
M206	M	10350 (7)	19.5 (5)	5.0 (1)	93 (16)	28 (27)	37 (16)
07Y182	SPQ	10300 (8)	19.6 (3)	5.0 (1)	92 (14)	5 (20)	36 (14)
07Y254	M	10110 (9)	18.3 (20)	5.0 (1)	94 (24)	65 (33)	37 (24)
07Y414	M	10100 (10)	18.6 (15)	5.0 (1)	92 (12)	16 (22)	36 (12)
06Y696	M	10100 (11)	19.1 (9)	5.0 (1)	97 (34)	33 (28)	38 (34)
07Y253	M	10010 (12)	18.4 (19)	5.0 (1)	93 (16)	23 (24)	37 (16)
07Y447	M	9970 (13)	18.1 (23)	5.0 (1)	93 (15)	3 (15)	36 (15)
07Y470	M	9960 (14)	18.1 (22)	5.0 (1)	94 (24)	40 (32)	37 (24)
07Y251	M	9940 (15)	18.8 (14)	5.0 (1)	93 (16)	18 (23)	37 (16)
07Y369	SBG	9930 (16)	18.5 (16)	4.8 (35)	85 (2)	13 (21)	34 (2)
07Y296	SPQ	9890 (17)	19.0 (10)	5.0 (1)	90 (7)	3 (15)	35 (7)
07Y227	M	9700 (18)	18.2 (21)	5.0 (1)	90 (7)	3 (15)	35 (7)
07Y350	S	9680 (19)	18.4 (18)	5.0 (1)	89 (5)	3 (15)	35 (5)
06Y545	LB	9670 (20)	16.7 (27)	5.0 (1)	97 (34)	1 (1)	38 (34)
07Y343	MPQ	9650 (21)	19.3 (6)	5.0 (1)	94 (28)	26 (26)	37 (28)
07Y460	M	9610 (22)	17.9 (25)	5.0 (1)	93 (16)	23 (24)	37 (16)
07Y259	M	9570 (23)	18.9 (13)	5.0 (1)	91 (11)	1 (1)	36 (11)
07Y406	M	9490 (24)	19.2 (8)	5.0 (1)	93 (16)	1 (1)	37 (16)
07Y436	M	9460 (25)	18.5 (17)	5.0 (1)	93 (16)	1 (1)	37 (16)
07Y364	SLA	9450 (26)	19.2 (7)	4.9 (33)	85 (2)	35 (29)	34 (2)
07Y168	SPQ	9380 (27)	21.1 (2)	5.0 (1)	89 (4)	1 (1)	35 (4)
07Y603	LA	9310 (28)	13.8 (34)	5.0 (1)	94 (24)	1 (1)	37 (24)
07Y462	M	9230 (29)	19.0 (11)	5.0 (1)	89 (5)	3 (15)	35 (5)
CH-201	SPQ	8880 (30)	17.2 (26)	5.0 (1)	93 (16)	88 (34)	37 (16)
07Y320	MPQ	8690 (31)	22.4 (1)	4.9 (33)	96 (31)	97 (36)	38 (31)
06Y629	MPQ	8590 (32)	18.9 (12)	5.0 (1)	97 (33)	38 (31)	38 (33)
06Y707	LJ	8520 (33)	15.9 (28)	2.0 (36)	100 (36)	88 (34)	39 (36)
07Y599	LJ	7720 (34)	12.4 (36)	5.0 (1)	93 (16)	1 (1)	37 (16)
CT201	LB	7660 (35)	14.1 (33)	5.0 (1)	96 (32)	1 (1)	38 (32)
CT202	LB	6250 (36)	14.3 (32)	5.0 (1)	92 (12)	1 (1)	36 (12)
MEAN		9600	17.7	4.9	92	19	36
CV		5.8	3.4	2.5	0.6	79.3	0.6
LSD (.05)		1140	1.2	0.2	1	31	0

S = short; M = medium; A = aromatic; L = long; BG = bold grain; B = Basimati; J = Jasmine; LA = low amalose; 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 13. 2008 Early Rice Variety Test - Colusa

<i>Advanced Lines and Varieties</i>							
Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
05Y724	M	10720 (1)	18.1 (8)	5.0 (1)	92 (6)	1 (1)	36 (6)
06Y575	LR	10430 (2)	15.0 (14)	5.0 (1)	94 (8)	1 (1)	37 (8)
07Y752	LSR	10280 (3)	15.7 (12)	4.8 (17)	94 (10)	1 (1)	37 (10)
05Y471	M	10100 (4)	18.2 (7)	5.0 (14)	87 (3)	1 (1)	34 (3)
M205	M	10080 (5)	20.4 (1)	5.0 (1)	102 (18)	1 (1)	40 (18)
M206	M	10080 (6)	18.0 (9)	5.0 (1)	93 (7)	1 (1)	36 (7)
M202	M	9950 (7)	19.0 (4)	5.0 (14)	96 (14)	1 (1)	38 (14)
S-102	S	9870 (8)	15.3 (13)	5.0 (1)	86 (1)	3 (16)	34 (1)
04Y308	MPQ	9860 (9)	19.2 (3)	5.0 (1)	96 (15)	1 (1)	38 (15)
M208	M	9780 (10)	17.7 (10)	5.0 (1)	97 (16)	1 (1)	38 (16)
L206	L	9730 (11)	13.8 (18)	5.0 (1)	92 (5)	1 (1)	36 (5)
06Y513	L	9570 (12)	14.5 (15)	5.0 (1)	95 (12)	1 (1)	37 (12)
06Y322	MPQ	9560 (13)	18.8 (5)	5.0 (1)	98 (17)	1 (1)	39 (17)
CM-101	SWX	9230 (14)	16.1 (11)	5.0 (14)	88 (4)	18 (17)	35 (4)
L205	LR	9140 (15)	14.0 (17)	4.8 (18)	94 (10)	1 (1)	37 (10)
06Y333	MPQ	9000 (16)	19.2 (2)	5.0 (1)	95 (13)	1 (1)	38 (13)
06Y599	LR	8980 (17)	14.4 (16)	5.0 (1)	94 (8)	1 (1)	37 (8)
04Y177a	SPQ	8040 (18)	18.4 (6)	5.0 (1)	87 (2)	86 (18)	34 (2)
MEAN		9690	17.0	5.0	93	7	37
CV		4.9	3.8	2	1.3	102	1.3
LSD (.05)		670	0.9	0.1	2	10	1
<i>Preliminary Lines and Varieties</i>							
08Y084	L	10340 (1)	14.0 (32)	5.0 (1)	95 (22)	1 (1)	37 (22)
07Y559	L	10290 (2)	14.0 (33)	5.0 (1)	91 (8)	1 (1)	36 (8)
03Y496	LSR	10260 (3)	16.9 (19)	4.8 (31)	98 (32)	1 (1)	39 (32)
M206	M	10140 (4)	17.4 (17)	5.0 (1)	87 (1)	1 (1)	34 (1)
07Y253	M	10100 (5)	18.1 (11)	5.0 (1)	93 (19)	1 (1)	37 (19)
07Y526	LJ	10100 (6)	15.4 (28)	5.0 (1)	98 (31)	1 (1)	38 (31)
06Y696	M	9990 (7)	19.0 (1)	5.0 (1)	96 (26)	1 (1)	38 (26)
07Y254	M	9990 (8)	17.5 (15)	4.8 (30)	92 (17)	1 (1)	36 (17)
07Y296	SPQ	9950 (9)	18.3 (9)	5.0 (1)	91 (8)	1 (1)	36 (8)
07Y462	M	9830 (10)	16.7 (25)	5.0 (1)	91 (8)	1 (1)	36 (8)
07Y414	M	9790 (11)	18.3 (8)	5.0 (1)	92 (15)	1 (1)	36 (15)
07Y406	M	9730 (12)	18.4 (7)	4.9 (26)	92 (15)	1 (1)	36 (15)
07Y293	SPQ	9700 (13)	18.5 (6)	4.6 (34)	91 (8)	1 (1)	36 (8)
07Y369	SBG	9600 (14)	16.9 (21)	5.0 (1)	88 (3)	1 (1)	35 (5)
07Y460	M	9590 (15)	17.7 (13)	4.8 (31)	92 (17)	1 (1)	36 (17)
07Y251	M	9560 (16)	16.9 (20)	5.0 (1)	91 (8)	1 (1)	36 (8)
07Y447	M	9550 (17)	17.8 (12)	5.0 (1)	96 (23)	1 (1)	38 (23)
07Y436	M	9540 (18)	17.7 (14)	5.0 (1)	91 (8)	1 (1)	36 (8)
07Y182	SPQ	9500 (19)	18.7 (3)	5.0 (1)	97 (28)	1 (1)	38 (28)
07Y350	S	9490 (20)	16.8 (22)	5.0 (1)	88 (3)	1 (1)	35 (5)
07Y320	MPQ	9440 (21)	18.9 (2)	3.8 (35)	96 (26)	1 (1)	38 (26)
07Y227	M	9430 (22)	16.8 (23)	4.9 (26)	88 (3)	1 (1)	35 (3)
07Y259	M	9410 (23)	16.5 (26)	5.0 (1)	91 (8)	1 (1)	36 (8)
07Y470	M	9310 (24)	16.7 (24)	5.0 (1)	96 (23)	1 (1)	38 (23)
06Y629	MPQ	9180 (25)	18.2 (10)	5.0 (1)	98 (32)	1 (1)	39 (32)
07Y364	SLA	9170 (26)	17.4 (16)	4.9 (26)	90 (7)	30 (36)	35 (7)
07Y343	MPQ	9140 (27)	18.7 (4)	5.0 (1)	97 (30)	1 (1)	38 (30)
07Y168	SPQ	9050 (28)	18.6 (5)	5.0 (1)	87 (2)	1 (1)	34 (2)
07Y603	LA	8960 (29)	13.9 (34)	4.8 (31)	96 (23)	1 (1)	38 (23)
CH-201	SPQ	8640 (30)	16.0 (27)	5.0 (1)	94 (20)	1 (1)	37 (20)
07Y489	LA	8630 (31)	14.7 (30)	4.9 (26)	88 (3)	1 (1)	35 (3)
06Y545	LB	8120 (32)	15.3 (29)	5.0 (1)	97 (28)	1 (1)	38 (28)
07Y599	LJ	7720 (33)	12.7 (36)	5.0 (1)	101 (35)	1 (1)	40 (35)
CT201	LB	6610 (34)	13.2 (35)	5.0 (1)	100 (34)	1 (1)	39 (34)
06Y707	LJ	5740 (35)	17.3 (18)	0.5 (36)	101 (35)	1 (1)	40 (35)
CT202	LB	5740 (36)	14.3 (31)	5.0 (1)	95 (21)	1 (1)	37 (21)
MEAN		9200	16.8	4.8	93	2	37
CV		3.6	3.4	6.8	1.4		1.4
LSD (.05)		680	1.2	0.7	3		1

S = short; M = medium; A = aromatic; L = long; BG = bold grain; B = Basmati; J = Jasmine; LA = low amalose; 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 14. Grain Yield (lb/acre @14% moisture) Summary of Early Rice Varieties by Location and Year (2004-2008)

Location	Year	Calhikari					Calmati	
		201	<b>M-202</b>	S-102	M-205	M-206	201	L-205
Biggs (RES)	2004	8120	<b>9500</b>	9260	10270	9650	8500	9810
	2005	7740	<b>7350</b>	7950	7980	7890	6900	8760
	2006	8650	<b>9000</b>	9740	9250	9560	7480	9280
	2007	6230	<b>6940</b>	8730	8920	9430	6960	8420
	2008	9520	<b>10580</b>	10950	10800	10620	8120	9700
Location Mean		8052	<b>8674</b>	9326	9444	9430	7592	9194
Butte	2004	8200	<b>8990</b>	9050	9490	8800	7380	8060
	2005	7100	<b>8990</b>	7520	9740	7010	6550	8620
	2006	6930	<b>7970</b>	8430	8820	8080	7230	8090
Glenn	2007	7430	<b>7640</b>	8580	8310	8060	7640	8940
Glenn	2008	6360	<b>7150</b>	7470	8220	8450	6780	8220
Location Mean		9005	<b>8148</b>	8210	8916	8080	7116	8386
Colusa	2004	9570	<b>10330</b>	10280	10750	10200	8440	10450
	2005	7580	<b>8030</b>	6970	9330	8160	7330	8570
	2006	8530	<b>9970</b>	9060	10720	9300	7590	8660
	2007	8270	<b>9030</b>	9040	9630	9960	7190	8770
	2008	8640	<b>9950</b>	9870	10080	10080	6610	9140
Location Mean		8518	<b>9462</b>	9044	10102	9540	7432	9118
Yuba	2004	8240	<b>9850</b>	9260	9120	9960	6720	8510
	2005	7470	<b>7100</b>	7630	8150	7670	7110	7490
	2006	-	-	-	-	-	-	-
	2007	5910	<b>7040</b>	6170	7480	7960	5550	6370
	2008	8880	<b>10140</b>	9830	10500	10720	7660	9890
Location Mean		7625	<b>8533</b>	8223	8813	9078	6760	8065
Loc/Years Mean		7862	<b>8713</b>	8726	9345	9029	7249	8724
<b>Yield % M-202</b>		<b>90.2</b>	<b>100</b>	<b>100.1</b>	<b>107.3</b>	<b>103.6</b>	<b>83.2</b>	<b>100.1</b>
Number of Tests		19	<b>19</b>	19	19	19	19	19

Table 15. 2008 Intermediate/Late Rice Variety Tests - Three Location Summary

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14%		Single Location Yields			Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
		Moisture lbs/acre		Biggs	Glenn	Sutter					
05Y343	SWX	<b>9870 (1)</b>	11140 (2)	9110 (2)	9360 (2)	17.0 (7)	4.9 (6)	89 (2)	43 (13)	35 (2)	
07Y576	L	<b>9700 (2)</b>	11530 (1)	9110 (1)	8460 (8)	14.6 (13)	4.8 (10)	90 (3)	1 (1)	35 (3)	
7Y301	SPQ	<b>9420 (3)</b>	11100 (3)	8230 (11)	8940 (5)	17.7 (3)	4.9 (5)	96 (9)	3 (9)	38 (9)	
M205	M	<b>9270 (4)</b>	10950 (5)	8440 (7)	8430 (9)	17.3 (4)	4.9 (8)	98 (11)	1 (1)	39 (11)	
08Y124	L	<b>9240 (5)</b>	11040 (4)	8800 (4)	7870 (10)	15.4 (10)	4.9 (9)	96 (8)	1 (1)	38 (8)	
05Y346	MBG	<b>9140 (6)</b>	10380 (7)	8370 (8)	8660 (7)	17.0 (8)	5.0 (2)	90 (4)	26 (10)	36 (4)	
M202	M	<b>9130 (7)</b>	10310 (8)	8300 (10)	8780 (6)	17.1 (5)	5.0 (3)	92 (5)	40 (12)	36 (5)	
L206	L	<b>9090 (8)</b>	10740 (6)	8710 (5)	7830 (11)	14.9 (11)	4.8 (11)	86 (1)	33 (11)	34 (1)	
05Y698	M	<b>9070 (9)</b>	9930 (9)	8300 (9)	8990 (4)	17.0 (6)	4.9 (6)	96 (10)	1 (1)	38 (10)	
L205	LR	<b>8820 (10)</b>	9890 (11)	8820 (3)	7760 (12)	14.9 (12)	4.7 (12)	94 (6)	1 (1)	37 (6)	
04Y706	L	<b>8560 (11)</b>	9910 (10)	8690 (6)	7090 (13)	15.7 (9)	4.6 (13)	94 (7)	1 (1)	37 (7)	
M-402	MPQ	<b>8550 (12)</b>	9220 (12)	7240 (12)	9180 (3)	18.5 (2)	5.0 (1)	108 (13)	1 (7)	42 (13)	
06Y620	SPQla	<b>8520 (13)</b>	9110 (13)	6730 (13)	9720 (1)	18.9 (1)	4.9 (4)	99 (12)	1 (8)	39 (12)	
MEAN		<b>9110</b>	10400	8370	8540	16.6	4.9	94	12	37	
CV		<b>6.8</b>	6.4	4.8	8.6	5.6	3.2	1.2	108	1.2	
LSD (.05)		<b>500</b>	950	580	1060	0.7	0.1	1	10	0	

*Preliminary Lines and Varieties*

07Y671	SPQ	<b>9870 (1)</b>	10690 (5)	10520 (1)	8420 (10)	17.7 (4)	4.6 (18)	90 (2)	10 (18)	35 (2)
07Y467	M	<b>9530 (2)</b>	9760 (15)	9400 (3)	9440 (2)	18.4 (2)	5.0 (4)	97 (16)	2 (12)	38 (16)
07Y700	M	<b>9400 (3)</b>	10880 (2)	8580 (8)	8730 (7)	17.5 (8)	4.9 (10)	94 (7)	1 (1)	37 (7)
07Y696	M	<b>9350 (4)</b>	10080 (9)	8290 (12)	9670 (1)	16.8 (14)	4.9 (12)	96 (11)	2 (12)	38 (11)
07Y711	M	<b>9270 (5)</b>	9840 (13)	8810 (5)	9140 (3)	17.2 (10)	4.9 (7)	93 (6)	27 (21)	37 (6)
07Y151	LIM	<b>9160 (6)</b>	11060 (1)	8100 (13)	8310 (12)	14.8 (22)	4.9 (7)	93 (5)	1 (1)	36 (5)
07Y698	M	<b>9160 (7)</b>	10390 (6)	8600 (6)	8490 (8)	17.6 (6)	4.9 (7)	98 (19)	1 (1)	39 (19)
M205	M	<b>9140 (8)</b>	10380 (7)	8810 (4)	8220 (14)	17.6 (5)	4.9 (10)	97 (16)	5 (17)	38 (16)
07Y712	M	<b>9120 (9)</b>	9970 (10)	8370 (11)	9030 (4)	17.3 (9)	4.9 (13)	96 (12)	13 (19)	38 (12)
07Y726	M	<b>9060 (10)</b>	10190 (8)	8500 (9)	8480 (9)	18.2 (3)	4.8 (15)	96 (13)	1 (1)	38 (13)
07Y666	SPQ	<b>8910 (11)</b>	10710 (4)	9820 (2)	6210 (20)	16.8 (12)	4.0 (21)	95 (9)	17 (20)	37 (10)
07Y646	MPQ	<b>8910 (12)</b>	9920 (11)	7920 (15)	8880 (6)	17.5 (7)	4.8 (14)	97 (15)	4 (16)	38 (15)
07Y218	SWX	<b>8900 (13)</b>	10820 (3)	8580 (7)	7310 (17)	15.4 (18)	4.3 (20)	86 (1)	3 (15)	34 (1)
07Y729	M	<b>8800 (14)</b>	9860 (12)	8400 (10)	8140 (15)	16.7 (15)	4.8 (15)	95 (8)	1 (1)	37 (8)
07Y694	M	<b>8690 (15)</b>	9790 (14)	7960 (14)	8320 (11)	16.8 (13)	5.0 (4)	96 (13)	1 (1)	38 (13)
CH-201	SPQ	<b>8010 (16)</b>	8770 (17)	6250 (18)	9010 (5)	15.8 (17)	5.0 (1)	90 (3)	78 (22)	35 (3)
08Y140	LIM	<b>7770 (17)</b>	8360 (19)	6650 (16)	8300 (13)	16.1 (16)	5.0 (4)	100 (21)	1 (1)	39 (21)
CT201	LB	<b>7440 (18)</b>	8400 (18)	6430 (17)	7490 (16)	15.0 (21)	5.0 (2)	98 (18)	1 (1)	39 (18)
CT202	LB	<b>7100 (19)</b>	8900 (16)	6110 (19)	6300 (18)	15.1 (20)	5.0 (3)	91 (4)	2 (12)	36 (4)
07Y154	LB	<b>6690 (20)</b>	7920 (20)	5940 (21)	6220 (19)	15.3 (19)	4.8 (17)	95 (9)	1 (1)	37 (9)
08Y138	LB	<b>5560 (21)</b>	6540 (21)	5980 (20)	4170 (22)	16.9 (11)	4.5 (19)	99 (20)	1 (1)	39 (20)
07Y152	LB	<b>3910 (22)</b>	4430 (22)	2960 (22)	4340 (21)	24.1 (1)	3.7 (22)	106 (22)	1 (1)	42 (22)
MEAN		<b>8350</b>	9440	7770	7850	17	4.7	95	8	38
CV		<b>7.9</b>	8.4	4.8	9.4	4.9	4.7	1.2	137.9	1.3
LSD (.05)		<b>760</b>	1640	770	1530	1	0.3	1	12	1

S = short; M = medium; BG = bold grain; L = long; PQ = premium quality; la = low amaloose; WX = waxy; R = Newrex; SR = stem rot resistant.

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

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

Numbers in parentheses indicate relative rank in column.

Table 16. 2008 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)
07Y576	L	11530 (1)	14.7 (13)	5.0 (2)	85 (2)	1 (1)	33 (2)
05Y343	SWX	11140 (2)	15.7 (11)	4.8 (8)	89 (3)	35 (12)	35 (3)
7Y301	SPQ	11100 (3)	16.9 (4)	4.9 (5)	96 (9)	1 (1)	38 (9)
08Y124	L	11040 (4)	15.8 (10)	4.9 (6)	92 (6)	1 (1)	36 (6)
M205	M	10950 (5)	16.4 (7)	4.7 (12)	97 (11)	1 (1)	38 (11)
L206	L	10740 (6)	15.6 (12)	4.8 (11)	83 (1)	6 (10)	33 (1)
05Y346	MBG	10380 (7)	17.0 (3)	5.0 (2)	92 (6)	16 (11)	36 (6)
M202	M	10310 (8)	16.8 (5)	4.9 (4)	93 (8)	36 (13)	36 (8)
05Y698	M	9930 (9)	16.6 (6)	4.8 (8)	97 (10)	1 (1)	38 (10)
04Y706	L	9910 (10)	16.4 (7)	4.8 (10)	91 (5)	1 (1)	36 (5)
L205	LR	9890 (11)	16.2 (9)	4.7 (12)	91 (4)	1 (1)	36 (4)
M-402	MPQ	9220 (12)	17.5 (2)	5.0 (1)	108 (13)	1 (1)	43 (13)
06Y620	SPQla	9110 (13)	18.0 (1)	4.9 (6)	100 (12)	1 (1)	39 (12)
MEAN		10400	16.4	4.8	93	8	37
CV		6.4	8.7	1.5	1.5	200.8	1.5
LSD (.05)		950		0.1	2	22	1

*Preliminary Lines and Varieties*

07Y151	LIM	11060 (1)	15.6 (19)	4.9 (5)	92 (6)	1 (1)	36 (6)
07Y700	M	10880 (2)	17.3 (7)	4.8 (11)	94 (8)	1 (1)	37 (8)
07Y218	SWX	10820 (3)	14.8 (22)	4.4 (21)	85 (2)	1 (1)	33 (2)
07Y666	SPQ	10710 (4)	16.2 (17)	4.6 (19)	96 (11)	1 (1)	38 (11)
07Y671	SPQ	10690 (5)	16.5 (14)	4.6 (20)	84 (1)	26 (21)	33 (1)
07Y698	M	10390 (6)	16.9 (10)	4.8 (12)	99 (20)	1 (1)	39 (20)
M205	M	10380 (7)	17.6 (6)	4.7 (14)	97 (14)	1 (1)	38 (14)
07Y726	M	10190 (8)	18.1 (3)	4.9 (5)	98 (17)	1 (1)	38 (17)
07Y696	M	10080 (9)	17.3 (8)	4.7 (14)	98 (19)	1 (1)	39 (19)
07Y712	M	9970 (10)	16.9 (11)	4.7 (14)	96 (11)	1 (1)	38 (11)
07Y646	MPQ	9920 (11)	17.7 (4)	4.7 (14)	97 (16)	1 (1)	38 (16)
07Y729	M	9860 (12)	16.6 (13)	4.7 (14)	96 (10)	1 (1)	38 (10)
07Y711	M	9840 (13)	16.5 (14)	4.8 (12)	91 (4)	1 (1)	36 (4)
07Y694	M	9790 (14)	17.3 (8)	4.9 (5)	98 (17)	1 (1)	38 (17)
07Y467	M	9760 (15)	18.5 (2)	4.9 (5)	99 (20)	1 (1)	39 (20)
CT202	LB	8900 (16)	16.2 (17)	5.0 (2)	90 (3)	1 (1)	35 (3)
CH-201	SPQ	8770 (17)	15.4 (21)	5.0 (1)	91 (4)	70 (22)	36 (4)
CT201	LB	8400 (18)	15.6 (19)	4.9 (3)	94 (9)	1 (1)	37 (9)
08Y140	LIM	8360 (19)	16.7 (12)	4.9 (5)	97 (15)	1 (1)	38 (15)
07Y154	LB	7920 (20)	16.3 (16)	4.9 (4)	93 (7)	1 (1)	36 (7)
08Y138	LB	6540 (21)	17.7 (5)	4.9 (5)	96 (13)	1 (1)	38 (13)
07Y152	LB	4430 (22)	24.5 (1)	4.3 (22)	113 (22)	1 (1)	45 (22)
MEAN		9440	17.1	4.8	95	5	37
CV		8.4	5.5	2.7	1.4	154.5	1.4
LSD (.05)		1640	1.9	0.3	3	17	1

S = short; M = medium; BG = bold grain; L = long; PQ = premium quality; la = low amalose; WX = waxy; R = Newrex; SR = stem rot resistant.

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

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

Numbers in parentheses indicate relative rank in column.

Table 17. 2008 Intermediate/Late Rice Variety Test - Glenn

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield at 14% Moisture lbs/acre	Grain Moisture at Harvest (%)	Seedling Vigor (1-5)	Days to 50% Heading	Lodging (1-99)	Plant Height (in)
07Y576	L	9110 (1)	13.7 (12)	5.0 (1)	93 (5)	1 (1)	37 (5)
05Y343	SWX	9110 (2)	17.4 (3)	5.0 (10)	92 (3)	85 (11)	36 (3)
L205	LR	8820 (3)	13.1 (13)	4.6 (13)	96 (7)	1 (1)	38 (7)
08Y124	L	8800 (4)	14.7 (9)	5.0 (1)	100 (10)	1 (1)	39 (10)
L206	L	8710 (5)	13.9 (11)	5.0 (1)	87 (1)	92 (13)	34 (1)
04Y706	L	8690 (6)	14.1 (10)	5.0 (1)	95 (6)	1 (1)	38 (6)
M205	M	8440 (7)	17.1 (4)	4.9 (12)	101 (11)	1 (1)	40 (11)
05Y346	MBG	8370 (8)	16.8 (6)	5.0 (1)	92 (3)	60 (10)	36 (3)
05Y698	M	8300 (9)	16.5 (7)	5.0 (1)	97 (8)	1 (1)	38 (8)
M202	M	8300 (10)	16.8 (5)	5.0 (1)	91 (2)	85 (11)	36 (2)
7Y301	SPQ	8230 (11)	16.4 (8)	5.0 (10)	98 (9)	6 (9)	39 (9)
M-402	MPQ	7240 (12)	17.8 (2)	5.0 (1)	110 (13)	1 (1)	43 (13)
06Y620	SPQla	6730 (13)	18.6 (1)	5.0 (1)	102 (12)	1 (1)	40 (12)
MEAN		8370	15.9	5.0	96	26	38
CV		4.8	2.8	1.3	1.2	57.8	1.2
LSD (.05)		580	0.6	0.1	2	21	1

*Preliminary Lines and Varieties*

07Y671	SPQ	10520 (1)	19.0 (2)	4.7 (22)	94 (5)	3 (13)	37 (5)
07Y666	SPQ	9820 (2)	16.2 (13)	4.8 (20)	95 (9)	46 (20)	37 (9)
07Y467	M	9400 (3)	16.8 (6)	5.0 (1)	97 (13)	3 (13)	38 (13)
M205	M	8810 (4)	17.1 (5)	5.0 (1)	99 (18)	13 (18)	39 (18)
07Y711	M	8810 (5)	16.5 (10)	5.0 (1)	95 (7)	75 (21)	37 (7)
07Y698	M	8600 (6)	16.6 (7)	5.0 (1)	96 (11)	1 (1)	38 (11)
07Y218	SWX	8580 (7)	15.3 (15)	4.7 (21)	90 (1)	6 (16)	35 (1)
07Y700	M	8580 (8)	16.5 (9)	5.0 (1)	95 (7)	1 (1)	37 (7)
07Y726	M	8500 (9)	17.6 (3)	5.0 (1)	97 (13)	1 (1)	38 (13)
07Y729	M	8400 (10)	16.3 (11)	5.0 (1)	94 (5)	1 (1)	37 (5)
07Y712	M	8370 (11)	16.6 (8)	4.9 (19)	98 (16)	28 (19)	38 (16)
07Y696	M	8290 (12)	16.3 (12)	5.0 (1)	95 (9)	1 (1)	37 (9)
07Y151	LIM	8100 (13)	13.4 (21)	5.0 (1)	92 (4)	1 (1)	36 (4)
07Y694	M	7960 (14)	16.1 (14)	5.0 (1)	97 (13)	1 (1)	38 (13)
07Y646	MPQ	7920 (15)	17.6 (4)	5.0 (1)	98 (17)	8 (17)	39 (17)
08Y140	LIM	6650 (16)	14.7 (16)	5.0 (1)	103 (21)	1 (1)	40 (21)
CT201	LB	6430 (17)	13.4 (20)	5.0 (1)	100 (20)	1 (1)	39 (20)
CH-201	SPQ	6250 (18)	14.5 (17)	5.0 (1)	91 (3)	99 (22)	36 (3)
CT202	LB	6110 (19)	13.2 (22)	5.0 (1)	90 (2)	3 (13)	35 (2)
08Y138	LB	5980 (20)	14.5 (18)	5.0 (1)	99 (19)	1 (1)	39 (19)
07Y154	LB	5940 (21)	14.0 (19)	5.0 (1)	97 (12)	1 (1)	38 (12)
07Y152	LB	2960 (22)	26.1 (1)	5.0 (1)	108 (22)	1 (1)	43 (22)
MEAN		7770	16.3	5.0	96	13	38
CV		4.8	3.3	2	1.2	123	1.2
LSD (.05)		770	1.1	0.2	2	34	1

S = short; M = medium; BG = bold grain; L = long; PQ = premium quality; la = low amalose; WX = waxy; R = Newrex; SR = stem rot resistant.

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

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

Numbers in parentheses indicate relative rank in column.

Table 18. 2008 Intermediate/Late Rice Variety Test - Sutter

*Advanced Lines and Varieties*

Variety	Grain Type	Grain Yield	Grain	Seedling	Days to	Lodging (1-99)	Plant Height (in)
		at 14% Moisture lbs/acre	Moisture at Harvest (%)	Vigor (1-5)	50% Heading		
06Y620	SPQla	9720 (1)	20.1 (2)	5.0 (6)	94 (7)	2 (11)	37 (7)
05Y343	SWX	9360 (2)	17.9 (6)	5.0 (2)	87 (2)	8 (13)	34 (2)
M-402	MPQ	9180 (3)	20.3 (1)	5.0 (1)	105 (13)	1 (10)	41 (13)
05Y698	M	8990 (4)	18.0 (5)	5.0 (7)	96 (10)	1 (1)	38 (10)
7Y301	SPQ	8940 (5)	19.9 (3)	5.0 (2)	94 (5)	1 (1)	37 (5)
M202	M	8780 (6)	17.6 (7)	5.0 (2)	94 (6)	1 (1)	37 (6)
05Y346	MBG	8660 (7)	17.2 (8)	5.0 (2)	87 (1)	2 (12)	34 (1)
07Y576	L	8460 (8)	15.4 (12)	4.5 (12)	91 (4)	1 (1)	36 (4)
M205	M	8430 (9)	18.3 (4)	5.0 (7)	96 (12)	1 (1)	38 (12)
08Y124	L	7870 (10)	15.9 (10)	4.7 (9)	96 (10)	1 (1)	38 (10)
L206	L	7830 (11)	15.4 (13)	4.6 (11)	89 (3)	1 (1)	35 (3)
L205	LR	7760 (12)	15.4 (11)	4.7 (10)	95 (8)	1 (1)	37 (8)
04Y706	L	7090 (13)	16.4 (9)	4.2 (13)	95 (9)	1 (1)	37 (9)
MEAN		8540	17.5	4.8	94	2	37
CV		8.6	3.4	5.2	0.9	241.7	0.9
LSD (.05)		1060	0.8	0.4	1		0

*Preliminary Lines and Varieties*

07Y696	M	9670 (1)	16.8 (17)	4.9 (10)	95 (9)	3 (17)	37 (9)
07Y467	M	9440 (2)	19.9 (2)	5.0 (1)	95 (9)	1 (1)	37 (9)
07Y711	M	9140 (3)	18.7 (5)	5.0 (1)	94 (4)	6 (20)	37 (4)
07Y712	M	9030 (4)	18.4 (7)	5.0 (1)	95 (15)	11 (21)	37 (15)
CH-201	SPQ	9010 (5)	17.4 (12)	5.0 (1)	89 (2)	65 (22)	35 (2)
07Y646	MPQ	8880 (6)	17.3 (13)	4.8 (14)	95 (9)	3 (17)	37 (9)
07Y700	M	8730 (7)	18.5 (6)	4.9 (10)	94 (4)	1 (1)	37 (4)
07Y698	M	8490 (8)	19.2 (3)	5.0 (1)	100 (19)	1 (1)	39 (19)
07Y726	M	8480 (9)	18.9 (4)	4.5 (17)	95 (9)	1 (1)	37 (9)
07Y671	SPQ	8420 (10)	17.5 (11)	4.7 (15)	91 (3)	1 (1)	36 (3)
07Y694	M	8320 (11)	17.1 (15)	5.0 (1)	95 (9)	1 (1)	37 (9)
07Y151	LIM	8310 (12)	15.3 (22)	4.9 (10)	95 (9)	1 (1)	37 (9)
08Y140	LIM	8300 (13)	16.8 (16)	5.0 (1)	101 (22)	1 (1)	40 (22)
M205	M	8220 (14)	18.2 (9)	5.0 (1)	95 (15)	1 (1)	37 (15)
07Y729	M	8140 (15)	17.2 (14)	4.7 (15)	94 (4)	1 (1)	37 (4)
CT201	LB	7490 (16)	16.0 (19)	5.0 (1)	100 (19)	1 (1)	39 (19)
07Y218	SWX	7310 (17)	16.2 (18)	3.9 (19)	83 (1)	1 (1)	33 (1)
CT202	LB	6300 (18)	15.9 (20)	4.9 (10)	94 (4)	1 (1)	37 (4)
07Y154	LB	6220 (19)	15.6 (21)	4.4 (18)	96 (17)	1 (1)	38 (17)
07Y666	SPQ	6210 (20)	18.1 (10)	2.5 (21)	94 (4)	3 (17)	37 (4)
07Y152	LB	4340 (21)	21.7 (1)	1.8 (22)	96 (18)	1 (1)	38 (18)
08Y138	LB	4170 (22)	18.4 (8)	3.8 (20)	100 (19)	1 (1)	39 (19)
MEAN		7850	17.7	4.5	95	5	37
CV		9.4	5.3	7.7	1.2	72.3	1.2
LSD (.05)		1530	2	0.7	2	7	1

S = short; M = medium; BG = bold grain; L = long; PQ = premium quality; la = low amalose; WX = waxy; R = Newrex; SR = stem rot resistant.

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

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

Numbers in parentheses indicate relative rank in column.



Table 19. Grain Yield (lb/acre @14% moisture) Summary of Intermediate/  
Late Rice Varieties by Location and Year (2004-2008)

Location	Year	M-205	M-402	<b>M-202</b>	L-205
Biggs (RES)	2004	10180	9310	<b>9480</b>	10150
	2005	9110	8570	<b>8610</b>	9110
	2006	8830	8280	<b>8620</b>	8920
	2007	10080	8940	<b>8960</b>	9430
	2008	10950	9220	<b>10310</b>	9890
<b>Location Mean</b>		9830	8864	9196	9500
Glenn	2004	10210	9860	<b>9040</b>	9140
	2005	8190	9040	<b>8430</b>	7510
	2006	7050	7990	<b>6820</b>	6780
	2007	10400	9080	<b>9110</b>	9150
	2008	8440	7240	<b>8300</b>	8820
<b>Location Mean</b>		8858	8642	8340	8280
Sutter	2004	10850	9430	<b>11140</b>	10970
	2005	10040	7530	<b>9500</b>	9560
	2006	8490	7290	<b>7760</b>	8730
	2007	10320	8900	<b>9800</b>	10010
	2008	8430	9180	<b>8780</b>	7760
<b>Location Mean</b>		9626	8466	9396	9406
<b>Loc/Years Mean</b>		9438	8657	<b>8977</b>	9062
<b>Yield % M-202</b>		<b>105.1</b>	<b>96.4</b>	<b>100</b>	<b>100.9</b>
<b>Number of Tests</b>		15	15	<b>15</b>	15