

Table 1. Characteristics of Public California Rice Varieties-2022

CHARACTERISTICS OF PUBLIC CALIFORNIA RICE VARIETIES - 2022					
Grain Type	Maturity	Year Seed Widely Available	Stem Rot Score ¹	Seedling Vigor ²	Comments
Short Grain					
S-102 ⁶	Very Early ³	1998	5.6	4.3	Very high yield potential. Good resistance to blanking with a very large grain. Rough leaves and hulls, grain dries down rapidly during ripening. Susceptible to stem rot.
S-202 ^{6,7}	Very Early to Early	2019	3.0	4.8	Early, glabrous, and high yielding short grain variety. S-202 is an alternative to S-102
Medium Grains					
M-105 ^{6,7}	Very Early	2013	4.8	4.2	New release, earlier maturing than M-206 but not as early as M-104. The yield potential of M-105 is less than M-206 but greater than M-104.
M-206 ^{6,7}	Very Early to Early	2005	4.8	4.3	Very high yield potential. Adapted to entire rice area. Comparable to other medium grains. Improved resistance to blanking and improved milling yield.
M-209 ^{6,7}	Early	2015	4.9	4.9	Very high yield potential. Heads 5-6 days later than M-206. Has improved stem rot and aggregate sheath spot compared to M-206 and M-208. Judged to be superior in grain quality. Production practices comparable to M-206. Avoid late planting and cool production areas to reduce blanking.
M-210 ^{6,7}	Early	2019	5.3	4.8	Early, high yielding, blast disease resistant Calrose-type medium. It has similar attributes to M-206 and is adapted in areas where M-206 is grown.
M-211 ^{6,7}	Early	2022	3.7	4.8	Early, high yielding, semi-dwarf, high quality medium grain variety developed as an alternative to M-209 and a replacement for M-205
Long Grains					
L-206 ^{6,7}	Very Early to Early	2008	5.5	4.4	Conventional long grain with improved cooking quality. Very high yield potential. Four days earlier than L-205 and M-202. Considerably shorter than L-205 and M-202. Average head rice yield 62%. Adapted to most areas except in coldest and warmest rice growing regions. Harvest at 17 - 18% grain moisture.
L-207 ^{6,7}	Early	2018	4.8	4.6	It has shown significant advantages over L-206 in yield potential and milling. Taller plants and head four days later than L-206. Not adapted to cold regions.
L-208 ^{6,7}	Early	2019	3.0	4.8	Early, high yielding, glabrous long grain variety. L-208 is an alternative to L-207.
Premium Quality					
M-401	Late	1983	5.1	4.3	<i>Premium quality</i> medium grain rice with large kernels. Good yield potential but susceptible to blanking, lodging and damage from premature drainage. Use 20-25% less
Calhikari-201 ^{5,6,7}	Early	2001	6.0	5.0	<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.
Calhikari-202 ^{5,6,7}	Early	2012	4.8	4.8	<i>Premium quality</i> short grain developed for the Japanese premium short-grain market. Similar to CH-201 in most characteristics but has higher grain and head rice yields and improved milling quality. Not recommended for cold locations. Cold temperatures delay maturity and increases blanking. Use low nitrogen to maximize market quality.
Specialty Rices⁵					
Calmochi-101 ⁵	Very Early ^{3,4}	1987	5.3	4.2	Glutinous (sweet, waxy) rice. Excellent blanking resistance. Has rough leaves and hulls, no awns. Grain dries down rapidly during ripening.
Calmochi-203 ^{5,6,7}	Early ⁴	2015	5.3	4.9	Glutinous (sweet, waxy) rice. Less blanking resistance than CA-101. Has glabrous (smooth) hulls, shape. Yields significantly higher, has larger seed and matures later than CA-101. Not adapted to cool temperature areas.
Calmati-202 ^{5,6,7}	Early ⁴	2008	6.0	4.4	A basmati type long grain with improved cooking quality and more slender grain. Excellent seedling vigor. Yield potential is 10% lower than CT-201. Pubescent leaves and hull. Average milling yield 58 - 60 %. Susceptible to blanking and should not be grown in cool areas. Avoid excessive nitrogen. Harvest at 17-18% grain moisture.
Calaroma-201 ^{5,6,7}	Early	2019	3.5	4.8	Jasmine type long grain. Calaroma has quality attributes that can compete with imports Jasmine varieties.
A-202 ^{6,7}	Early ⁴	2014	4.6	4.7	An aromatic smooth hulled long grain with very high yield potential and high head rice yield. Improved seedling vigor and similar lodging compared to A-301. Susceptible to blanking and should not be grown in cool areas. Is a replacement for A-301 and is well adapted for organic production systems.

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