

Appendix

Table 1. Principle Rice Varieties Released from the LSU AgCenter Rice Research Station.

Variety	Grain Type	Year Released	Breeders Involved
Colusa	Short	1917	Chambliss, Jenkins
Fortuna	Long	1918	Chambliss, Jenkins
Acadia	Short	1918	Chambliss, Jenkins
Delitus	Long (A)*	1918	Chambliss, Jenkins
Tokalon	Long	1918	Chambliss, Jenkins
Evangeline	Long	1918	Chambliss, Jenkins
Rexora	Long	1928	Chambliss, Jenkins
Nira	Long	1932	Chambliss, Jenkins
Magnolia	Medium	1945	Jodon
Lacrosse	Medium	1949	Jodon
Sunbonnet	Long	1953	Jodon
Toro	Long	1955	Jodon
Nato	Medium	1956	Jodon
Saturn	Medium	1964	Jodon
Della	Long (A)	1973	Jodon
Vista	Medium	1973	Jodon, McIlrath
LA 110	Medium	1979	McIlrath, Jodon
Leah	Long	1982	Trahan, Jodon
Toro-2	Long	1984	McKenzie, Jodon
Mercury	Medium	1987	McKenzie
Lacassine	Long	1991	Linscombe, Jodari
Bengal	Medium	1992	Linscombe, Jodari
Cypress	Long	1992	Linscombe, Jodari
Jodon	Long	1994	Linscombe, Jodari
Dellrose	Long (A)	1995	Jodari, Linscombe
Lafitte	Medium	1996	Linscombe, Jodari
Cocodrie	Long	1998	Linscombe
Dellmati	Long (A)	1999	Jodari, Linscombe
Earl	Medium	2000	Linscombe
CL 121	Long	2001	Linscombe, Sha
CL 141	Long	2001	Linscombe, Sha
CL 161	Long	2002	Linscombe, Sha
Cheniere	Long	2003	Linscombe, Sha
Pirogue	Short	2003	Linscombe, Sha

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* (A)-aromatic

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Variety	Grain Type	Year Released	Breeders Involved
Ecrevisse	Short	2004	Linscombe, Sha
CL 131	Long	2005	Linscombe, Sha
Jupiter	Medium	2005	Sha, Linscombe
Trenasse	Long	2005	Linscombe, Sha
CL151	Long	2008	Linscombe, Sha, Blanche
Catahoula	Long	2008	Linscombe, Sha, Blanche
Neptune	Medium	2008	Sha, Linscombe, Blanche
Jazzman	Long (A)	2009	Sha, Linscombe, Blanche
CL111	Long	2010	Linscombe, Sha
CL261	Medium	2010	Linscombe, Sha
Caffey	Medium	2011	Linscombe, Blanche, Sha
CL152	Long	2011	Linscombe, Sha
Jazzman-2	Long (A)	2011	Sha, Linscombe
Della-2	Long (A)	2012	Sha, Linscombe
Mermentau	Long	2012	Linscombe, Sha

* (A)-aromatic

Table 2. Sequence of Events in the Development of the Rice Variety Catahoula-Pedigree 9502008-A/Drew.

STEP	YEAR	GENERATION	ID	STAGE OF DEVELOPMENT
1	1997	F ₀	97CR346	Artificial Hybridization
2	1998	F ₁	98T027	F ₁ –Space Plant Nursery
3	1999	F ₂	99F7041-7042	F ₂ –Bulk–Segregation
4	2000	F ₃	0028270	F ₃ –Headrow–Segregation
5	2001	F ₄	0116926	F ₄ –Headrow–Segregation
6	2002	F ₅	0202519	F ₅ –PY Test–Purification
7	2003	F ₆	0302082	F ₆ –URN & CA–Purification
8	2004	F ₇	0302082	F ₇ –URN & CA–Purification
9	2005	F ₈	0302082	F ₈ –URN & CA–Purification
10	2006	F ₉	0302082	F ₉ –URN & CA–Purification
11	2006	F ₁₀	0302082	Headrow Increase–Puerto Rico
12	2007	F ₁₁	0302082	Foundation Seed Field–RRS
13	2008	F ₁₂	Catahoula	Registered Seed Production

Table 3. Rough Rice Futures Contract Specification - CME Group

Contract Size	2,000 hundredweight (cwt.) (~ 91 metric tons)	Contract Months	January, March, May, July, September, November
Deliverable Grades	U.S. No. 2 or better long grain rough rice with a total milling yield of not less than 65% including head rice of not less than 48%. Premiums and discounts are provided for each percent of head rice over or below 55%, and for each percent of broken rice over or below 15%. No heat-damaged kernels are permitted in a 500-gram sample and no stained kernels are permitted in a 500-gram sample. A maximum of 75 lightly discolored kernels are permitted in a 500-gram sample.	Last Trading Day	Business day prior to the 15th calendar day of the delivery month .
		Last Delivery Day	Seventh business day following the last trading day of the month.
		Trading Hours	Open Auction (trading floor): 9:30 a.m. - 2:00 p.m. Central Time, Monday-Friday CME Globex (electronic): 5:00 p.m. - 2:00 p.m. Central Time, Sunday-Friday Trading in expiring contracts closes at noon on the last trading day.
		Ticker Symbols	Open Auction: RR Electronic: ZR
Tick Size (minimum fluctuation)	1/2 cent/hundredweight (\$10/contract)	Daily Price Limit	Fifty cents (\$0.50) per hundredweight expandable to \$0.75 and then to \$1.15 when the market closes at limit bid or limit offer. There shall be no price limits on the current month contract on or after the second business day preceding the first day of the delivery month.
Pricing Unit	Cents/hundredweight		
Source: CME Group.			

Table 4. Grades and grade requirements for the classes of long grain, medium grain, short grain and mixed milled rice

Grade	Maximum limits of:											Color requirement (minimum)	Milling requirement (minimum)
	Seeds, heat-damaged, and paddy kernels (single or combined)		Red rice and damaged kernels (singly or combined percent)	Chalky kernels		Broken kernels				Other types			
	Total (number in 500 grams)	Heat-damaged kernels and objectionable seeds (number in 500 grams)		In long grain rice (percent)	In medium or short grain rice (percent)	Total (percent)	Removed by a 5 plate (percent)	Removed by a 6 plate (percent)	Through a 6 sieve (percent)	Whole kernels (percent)	Whole and broken kernels (percent)		
U.S. No. 1	2	1	0.5	1.0	2.0	4.0	0.04	0.1	0.1	—	1.0	Shall be white or creamy	Well milled
U.S. No. 2	4	2	1.5	2.0	4.0	7.0	0.06	0.2	0.2	—	2.0	May be slightly gray	Well milled
U.S. No. 3	7	5	2.5	4.0	6.0	15.0	0.1	0.8	0.5	—	3.0	May be light gray	Reasonably well milled
U.S. No. 4	20	15	4.0	6.0	8.0	25.0	0.4	1.0	0.7	—	5.0	May be gray or slightly rosy	Reasonably well milled
U.S. No. 5	30	25	6.0	10.0	10.0	35.0	0.7	3.0	1.0	10.0	—	May be dark gray or rosy	Reasonably well milled
U.S. No. 6	75	75	15.0	15.0	15.0	50.0	1.0	4.0	2.0	10.0	—	May be dark gray or rosy	Reasonably well milled

U.S. Sample grade:
U.S. Sample grade shall be milled rice of any of these classes which: (a.) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 6, inclusive; (b.) contains more than 15.0 percent of moisture; (c.) is musty or sour, or heating; (d.) has any commercially objectionable foreign odor; (e.) contains more than 0.1 percent of foreign material; (f.) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (g.) is otherwise of distinctly low quality.

Source: United States Standards for Rice, Federal Grain Inspection Service, U.S. Department of Agriculture.

Table 5. Grades and Grade Requirements for the Classes of Long-Grain, Medium-Grain, Short-Grain and Mixed Milled-Rice
 Maximum limits of:

Grade	Seeds, heat-damaged, and paddy kernels (single or combined)		Red rice and damaged kernels (singly or combined %)	Chalky kernels		Broken kernels				Other types		Color requirement (minimum)	Milling requirement (minimum)
	Total (number in 500 grams)	Heat-damaged kernels and objectionable seeds (number in 500 grams)		In long-grain rice (%)	In medium- or short-grain rice (%)	Total (%)	Removed by a 5 plate (%)	Removed by a 6 plate (%)	Through a 6 sieve (%)	Whole kernels (%)	Whole and broken kernels (%)		
U.S. No. 1	2	1	0.5	1.0	2.0	4.0	0.04	0.1	0.1	--	1.0	Shall be white or creamy	Well-milled
U.S. No. 2	4	2	1.5	2.0	4.0	7.0	0.06	0.2	0.2	--	2.0	May be slightly gray	Well-milled
U.S. No. 3	7	5	2.5	4.0	6.0	15.0	0.1	0.5	0.8	--	3.0	May be light gray	Reasonably well-milled
U.S. No. 4	20	15	4.0	6.0	8.0	25.0	0.4	0.7	1.0	--	5.0	May be gray or slightly rosy	Reasonably well-milled
U.S. No. 5	30	25	6.0	10.0	10.0	35.0	0.7	1.0	3.0	10.0	--	May be dark gray or rosy	Reasonably well-milled
U.S. No. 6	75	75	15.0	15.0	15.0	50.0	1.0	2.0	4.0	10.0	--	May be dark gray or rosy	Reasonably well-milled

U.S. Sample grade:
 U.S. Sample grade shall be milled rice of any of these classes that: (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 6, inclusive; (b) contains more than 15.0% of moisture; (c) is musty or sour, or heating; (d) has any commercially objectionable foreign odor; (e) contains more than 0.1% of foreign material; (f) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (g) is otherwise of distinctly low quality.
 Source: *United States Standards for Milled Rice*, U.S. Department of Agriculture.