No. 200100105

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Louisiana State University Agricultural Center

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE , OR CONDITIONING IT [illegible]OR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR [illegible]ERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN [illegible]ITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED [illegible]D (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 15[illegible]NDED, 7 U.S.C. 2321 ET SEQ.)

RICE

'CF51'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this tenth day of November, in the year two thousand and four.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions*

Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER: Louisiana State University Agricultural Center

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME: CF-0051

3. VARIETY NAME: RAD 9/10/04 CF 51

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*: Rice Research Station ~~P. O. Box 1429~~ ~~Crowley, LA 70527-1429~~ 1373 Caffey Road Rayne, LA 70578 RAD 11/5/04

5. TELEPHONE *(include area code)*: 337/788-7531

6. FAX *(include area code)*: 337/788-7553

FOR OFFICIAL USE ONLY

PVPO NUMBER: 200100105

FILING DATE: February 8, 2001

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*: University Research Center

8. IF INCORPORATED, GIVE STATE OF INCORPORATION:

9. DATE OF INCORPORATION:

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*

Steve Linscombe
Rice Research Station
~~P. O. Box 1429~~
~~Crowley, LA 70527-1429~~ RAD 11/5/04

1373 Caffey Road
Rayne, LA 70578

FEES RECEIVED

FILING AND EXAMINATION FEES: $ 2705 — DATE February 8, 2001

CERTIFICATION FEE: $ 432.00 — DATE 10/7/04

11. TELEPHONE *(Include area code)*: 337/788-7531

12. FAX *(Include area code)*: 337/788-7553

13. E-MAIL: slinscombe@agctr.lsu.edu

14. CROP KIND *(Common Name)*: Rice

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

- a. [X] Exhibit A. Origin and Breeding History of the Variety
- b. [X] Exhibit B. Statement of Distinctness
- c. [X] Exhibit C. Objective Description of Variety
- d. [ ] Exhibit D. Additional Description of the Variety *(Optional)*
- e. [X] Exhibit E. Statement of the Basis of the Owner's Ownership
- f. [X] Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)*
- g. [X] Filing and Examination Fee ($2,705), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? *See Section 83(a) of the Plant Variety Protection Act)*

[X] YES *(If "yes", answer items 20 and 21 below)* [ ] NO *(If "no," go to item 22)*

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? [X] YES [ ] NO

IF YES, WHICH CLASSES? [X] FOUNDATION [X] REGISTERED [X] CERTIFIED

21. DOES THE OWNER SPECIFY THAT THE CLASSES BE LIMITED AS TO NUMBER OF GENERATIONS? [X] YES [ ] NO

IF YES, SPECIFY THE NUMBER 1, 2, 3, *etc.* [1] FOUNDATION [1] REGISTERED [1] CERTIFIED

(If additional explanation is necessary, please use the space indicated on the reverse.)

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?

[X] YES [ ] NO

IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*

23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)*?

[X] YES [ ] NO

IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER		SIGNATURE OF OWNER	
NAME *(Please print or type)*: Steve Linscombe		NAME *(Please print or type)*	
CAPACITY OR TITLE: Professor	DATE: 01/19/2001	CAPACITY OR TITLE	DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable *(in the sense that it will reproduce an entire plant)* tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for $2,705 ($320 filing fee and $2,385 examination fee), payable to "Treasurer of the United States" *(See Section 97.6 of the Regulations and Rules of Practice.)* Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of $320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office
Telephone: (301) 504-5518
FAX: (301) 504-5291
Homepage: http://www.ams.usda.gov/science/pvp.htm

200100105

ITEM

18a. Give:
(1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified

18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:

(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, *etc.*

18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.

19. If "Yes" is specified *(seed of this variety be sold by variety name only, as a class of certified seed)*, the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. *(See Regulations and Rules of Practice, Section 97.103).*

21. *See Section 83 of the Act for the Contents and Term of Plant Variety Protection.*

22. *See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.*

23. *See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.*

21. CONTINUED FROM FRONT *(Please provide a statement as to the limitation and sequence of generations that may be certified.)*

22. CONTINUED FROM FRONT *(Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)*

May 2000 – Foundation Seed – USA only

23. CONTINUED FROM FRONT *(Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)*

USA 09/14/1999 5952553

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. *(See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)*

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

Exhibit A

RAO 9/10/04

Origin and Breeding Statement

CF 51 is a pureline variety that was derived from the cross 'Cypress'/'93AS3510.' Cypress is an early maturing, semidwarf long-grain variety that was developed by the LSU AgCenter's Rice Research Station and released in 1992. 93AS3510 is an imazethapyr-tolerant induced mutant that was created and identified at the Rice Research Station in 1993. The mutation that conferred tolerance to imazethapyr was created by soaking seed of the variety AS3510 in a solution containing ethyl methane sulfonate (EMS). EMS has been widely used as an agent to induce mutations in plants. A large number of seed of the variety AS3510 were treated then these seed were grown to produce a second generation of seed (after mutagenesis). These seed were then planted and the resulting plants were treated with imazethapyr (.250 lb/A active ingredient). One plant survived this treatment. This plant was retested and found to be, in fact, resistant to the herbicide.

CF 51 was developed using a program of modified single seed descent. The cross (Cypress/93AS3510) was made at the Rice Research Station in 1996. The F_1 generation (3 plants) was grown in the greenhouse (Rice Research Station) during the winter of 1996-1997. Seed from the F_1 plants was bulked and used to plant an F_2 population in 1997 at the Rice Research Station. One panicle was selected from each of 100 F_2 plants and these were grown as F_3 panicle rows in 1998. Five panicles were selected from the F_3 rows and these were grown as F_4 panicle rows in the fall of 1998 at the winter nursery facility in Puerto Rico. This material was reselected, harvested as panicles, and replanted (F_5) as panicle rows in the spring of 1999 at the winter nursery in Puerto Rico. The line was tested at four locations in Louisiana in 1999. A 1200-panicle row increase was grown at the Rice Research Station in 1999 (F_6). From this increase, breeder seed was grown in Puerto Rico during the winter of 1999-2000 (F_7). This seed was returned to the United States and used to produce various classes of seed during the 2000 growing season. Selection criteria for this line included imazethapyr tolerance, earliness, semidwarf height, and yield.

In each generation of multiplication and purification (F_4-F_8), the line was selected for uniformity, resistance to imazethapyr, and purity. CF 51 has been observed to be uniform and stable for three generations (one headrow generation, followed by two bulk seed generations).

Variants observed and removed from increase fields included any combination of the following: non-imazethapyr tolerant, taller, shorter, pubescent, earlier, later, and medium-grain shape. The total number of variants numbered less than 1 per 5,000 plants.

RAD 9/10/04

Exhibit B

Statement of Distinctness

CF 51 is a very early maturing, imazethapyr-tolerant long-grain rice variety. It most closely resembles the rice variety Cypress. It is tolerant to imazethapyr while the variety Cypress is susceptible to this herbicide. It has averaged 78 days to 50% heading compared with Cypress, which has averaged 87. It has averaged 35 inches in height compared with 36 for Cypress.

The flag leaf of CF 51 is moderate to dark green in color, erect, and glabrous. It is darker in color and shorter than that of Cypress. The lemma and palea are straw-colored and glabrous. The apiculus is purple at heading, and the color fades as the grain approaches maturity. The grain is non-aromatic, non-glutinous, and displays a light brown pericarp.

CF 51 has shown adaptation throughout the southern United States rice growing regions.

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U.S. DEPARTMENT OF AGRICULTURE
PLANT VARIETY PROTECTION OFFICE, AMS, USDA
NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 500
10301 BALTIMORE Blvd.
BELTSVILLE, MD 20705

OBJECTIVE VARIETY DESCRIPTION
RICE (*Oryza sativa*)

Name of Applicant(s)	Temporary Designation	Variety Name
STEVE LINSCOMBE	CF-0051	CF 51 RAD 9/10/04

Address (Street and No. or R.F.D. No., City, State, and Zip Code)	FOR OFFICIAL USE ONLY PVPO Number
LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER RICE RESEARCH STATION P.O. BOX 1429 CROWLEY, LA 70527-1429	200100105

Place the appropriate number that describes the character of this variety in the spaces provided below. These numbers are also code nu corresponding to descriptors developed by IBGR-IRRI Rice Advisory Committee and the US Rice Crop Advisory Committee. Breeder demonstrate novelty more readily by describing as many characters as is possible.

1. MATURITY - Days to Heading (Seeding to 50% Heading):

A. South: (Location: CROWLEY, LA) at 165 kg/ha (Nitrogen rate)

78 Number of days

9 Days earlier than Check variety: Cypress

Days same as Check variety: _____

3 Days later than Check variety: Maybelle

1 Maturity Class (50% heading) - South: 1 = Very early (less than 86 days) 2 = Early (86 - 100) 3 = Intermediate (101 - 115) 4 = Late (more than 115)

B. California: (Location: _____) at _____ kg/ha (Nitrogen rate)

____ Number of days

____ Days earlier than Check variety: _____

____ Days same as Check variety: _____

____ Days later than Check variety: _____

____ Maturity Class (50% heading) - California: 1 = Very early (less than 91 days) 2 = Early (91 - 97) 3 = Intermediate (98 - 104) 4 = Late (more than 104 days)

2. CULM:

1 ANGLE (Degrees from Perpendicular after Flowering:

1 = Erect (less than 30°) 3 = Intermediate (about 45°) 5 = Open (about 60°)
7 = Spreading (more than 60° but the culms do not rest on the ground)
9 = Procumbent (the culm or its lower part rests on the ground surface)

5

2. CULM: (continued)

LENGTH

85.0 cm (Soil level to top of extended panicle on main stem)

12.0 cm Shorter than Check variety: Cypress

--- Length same as Check variety: ____

--- cm Longer than Check variety: ____

1 HEIGHT CLASS: 1 = Semidwarf 2 = Short 3 = Medium 4 = Tall

1 INTERNODE COLOR (After flowering): 1 = Green 2 = Light Gold 3 = Purple lines 4 = Purple

1 STRENGTH (Lodging resistance): 1 = Strong (no lodging) 3 = Moderately strong (most plants 5 = Intermediate (most plants lodged) 7 = Weak (most plants flat) 9 = Very weak (all plants flat)

3. FLAG LEAF (After Heading):

28.0 cm LENGTH 13.0 mm WIDTH

1 PUBESCENCE: 1 = Glabrous 2 = Intermediate 3 = Pubescent

1 LEAF ANGLE (after heading): 1 = Erect 3 = Intermediate 5 = Horizontal 7 = Descending

3 BLADE COLOR: 1 = Pale Green 2 = Green 3 = Dark Green 4 = Purple tips 5 = Purple margins 6 = Purple blotch 7 = Purple

1 BASAL LEAF SHEATH COLOR: 1 = Green 2 = Purple lines 3 = Light purple 4 = Purple

4. LIGULE:

100 mm LENGTH (from base of collar to the tip, at late vegetative stage)

1 COLOR (Late vegetative state): 1 = White 2 = Purple lines 3 = Purple

2 SHAPE: 1 = Acute to acuminate 2 = 2-Cleft 3 = Truncate

1 COLLAR COLOR (late vegetative stage): 1 = Pale green 2 = Green 3 = Purple

1 AURICLE COLOR (late vegetative stage): 1 = Pale green 2 = Purple

5. PANICLE:

20.0 cm LENGTH

1 TYPE: 1 = Compact 5 = Intermediate 9 = Open

2 SECONDARY BRANCHING: 1 = Absent 2 = Light 3 = Heavy 4 = Clustering

2 EXSERTION (near maturity): 1 = Less than 90% 2 = 90 - 99% 3 = 100% exserted

1 AXIS: 1 = Straight 2 = Droopy

3 SHATTERING: 1 = Very low (less than 1%) 3 = Low (1 - 5%) 5 = Moderate (6 - 25%) 7 = Moderately high (26 - 50%) 9 = High (more than 50%)

6. GRAIN (Spikelet):

1 AWNS (after full heading): 0 = Absent 1 = Short and partly awned 5 = Short and fully awned 7 = Long and partly awned 9 = Long and fully awned

6 APICULUS COLOR (at maturity): 1 = White 2 = Straw 3 = Brown (tawny) 4 = Red 5 = Red apex 6 = Purple 7 = Purple apex

1 STIGMA COLOR: 1 = White 2 = Light green 3 = Yellow 4 = Light purple 5 = Purple

0 LEMMA AND PALEA COLOR (at maturity):

0 = Straw
1 = Gold and/or gold furrows on straw background
2 = Brown spots on straw (pie
3 = Brown furrows on straw
4 = Brown (tawny)
5 = Reddish to light purple
6 = Purple spots on straw
7 = Purple furrows on straw
8 = Purple
9 = Black
10 = White

1 LEMMA AND PALEA PUBESCENCE: 1 = Glabrous 2 = Hairs on lemma keel 3 = Hairs on upper portion 4 = Short hairs 5 = Long hairs (velvety)

1 SPIKELET STERILITY (at maturity): 1 = Highly fertile (>90%) 3 = Fertile (75-90%) 5 = Partly sterile (50- 7 = Highly sterile (<50% to trace) 9 = Completely sterile (0%)

7. GRAIN (Seed):

2 SEED COAT (bran) COLOR: 1 = White 2 = Light brown 3 = Speckled brown 4 = Brown 5 = Red 6 = Variable purple 7 = Purple

1 ENDOSPERM TYPE: 1 = Nonglutinous (nonwaxy) 2 = Glutinous (waxy) 3 = Indeterminate

1 ENDOSPERM TRANSLUCENCY: 1 = Clear 5 = Intermediate 9 = Opaque

1 ENDOSPERM CHALKINESS: 0 = None 1 = Small (less than 10% of sample) 5 = Medium (10-20% of sample) 9 = Large (more than 20% of sample)

0 SCENT (Aroma): 0 = Nonscented 1 = Lightly scented 2 = Scented

SHAPE CLASS (length/width ratio):

3 PADDY 1 = Short (2.2:1 and less) 2 = Medium (2.3:1 to 3.3:1) 3 = Long (3.4:1 and more)

3 BROWN 1 = Short (2.0:1 and less) 2 = Medium (2.1:1 to 3.0:1) 3 = Long (3.1:1 and more)

3 MILLED 1 = Short (1.9:1 and less) 2 = Medium (2.0:1 to 2.9:1) 3 = Long (3.0:1 and more)

MEASUREMENTS:

Grain Form	Length (mm)	Width (mm)	Thickness (mm)	L/W Ratio	1000 Grains (grams)
Paddy	9.48	2.40	1.89	3.95	23.0
Brown	7.33	2.15	1.68	3.41	20.0
Milled	7.05	2.08	1.62	3.39	17.2

20.7 Milling quality (% hulls) 61 Milling yield (% whole kernel (head) rice to rough rice)

7.7 % Protein 23.0 % Amylose (TABLE 1)

Alkali Spreading value: _____ 1.5% KOH Solution 3.7 1.7% KOH Solution

7. GRAIN (Seed): (continued)

2001001051

5 GELATINIZATION TEMPERATURE TYPE: 1 = High 5 = Intermediate 7 = Low

Amylographic Paste Viscosity (Brabender Units)

Peak	Hot Paste	Cooled Paste	'Breakdown' 'Setback'
460	250	590	210/130

8. RESISTANCE TO LOW TEMPERATURE:

2 GERMINATION AND SEEDLING VIGOR: 1 = Low 2 = Medium 3 = High

2 FLOWERING (Spikelet fertility): 1 = Low 2 = Medium 3 = High

9. SEEDLING VIGOR NOT RELATED TO LOW TEMPERATURE:

2 VIGOR: 1 = Low 2 = Medium 3 = High

10. BLAST RESISTANCE (*Pyricularia Oryzae*). (International races found under references)

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Suscep

Group	IB					IC		ID		IE	IG	IH
Number	1	5	45	49	54	1	17	1	13	1	1	1
Resistance	–	–	7	–	–	–	7	–	–	–	–	–

11. RESISTANCE TO OTHER DISEASES:

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Suscep

3 Narrow Brown Leaf Spot *Cercospora oryzae*

– Leaf Smut *Entyloma oryzae*

– Brown Leaf Spot *Helminthosporium oryzae* (=*Bipolaris oryzae*) (=*Drechslera oryzae*)

– Leaf Scald *Gerlachia oryzae*

– Hoja Blanca Virus

– Sheath Rot *Sarocladium oryzae*

– Pythium Seedling Blight *Pythium* sp.

7 Sheath Spot *Rhizoctonia oryzae*

– Other: _____

7 Aggregate Sheath Spot *Rhizoctonia oryzae-sativae*

3 Straight Head

– Kernel Smut *Neovossia horrida* (=*Tilletia barclayana*)

– White Tip Nematode *Aphelenchoides besseyi*

– Stem Rot *Sclerotium oryzae*

– Bacterial Blight *Xanthomonas campestris* pv. *oryzae*

7 Sheath Blight *Rhizoctonia solani*

12. INSECT RESISTANCE:

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Suscept

9 Grasshopper

– Rice Leafhopper

– Rice Hispa

9 Rice Midge

– Leaf Skipper

9 Rice Stink Bug *Oebalus pugnax*

– Swarm Caterpillar

9 Rice Water Weevil *Lissorhoptrus oryzophilus*

9 Rice Stalk Borer *Chilo plejadellus*

– Sugarcane Borer *Diatraea saccharalis*

8

13. OTHER DESCRIPTORS: If there are other characters that describe this variety, please indicate below:

REFERENCES

1. C. R. Adair *et al.* 1972. Rice in the United States: Varieties and Production. USDA Handbook No. 289 (Rev.), 124 pp.

2. J. G. Atkins *et al.* 1967. An International Set of Rice Varieties for Differentiating Race of *Pyricularia Oryzae*. Phytopath. 57:297-301.

3. IBPGR-IRRI Rice Advisory Committee. 1980. Descriptors for Rice *Oryza sativa* L.). International Rice Research Institute. 21 pp.

4. K. C. Ling and S. H. Ou. 1969. Standardization of the International Race Numbers of *Pyricularia Oryzae*. Phytopath. 59:339-342.

5. B. D. Webb *et al.* 1985. Utilization Characteristics and Qualities of United States Rice. In Proceedings on Rice Grain Quality and Marketing. International Rice Research Institute (IRRI) Los Banos, Phil...

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Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Crowley, LA

Entry	Pedigree	Plant Height (in)	Days to 50% Heading	Lodging %	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
240	LAGRUE	47	90		54.1	66.9	9132	1301	10433
210	CPRS/LGRU	37	90		60.4	69.3	8561	1677	10238
214	902207x2/LGRU	38	87		65.4	71.6	8390	1802	10192
235	COCODRIE	39	90		64.8	71.8	8362	1802	10164
218	BNGL//MERC/RICO	41	87		70.2	73.3	8975	1096	10071
233	AB SRM 154291	35	88		69.6	71.4	8188	1686	9874
206	KATY//CPRS/3/CPRS/LMNT	40	86		59.7	71.2	8509	1267	9776
247	PRISCILLA	39	89		55.6	69.8	8122	1486	9608
216	CPRS/LGRU	41	94		64.8	69.8	8416	1112	9528
209	L202/LMNT//KATY/JKSN	38	89		65.0	69.5	8836	616	9451
203	CL 141	48	88		62.7	69.4	7997	1449	9446
224	LL 0001	35	88		66.9	69.3	8408	1029	9437
204	AR 1188/CCDR	37	87		66.7	71.7	8171	1142	9313
211	AR 1142/MBLE	40	83		55.2	71.5	7816	1496	9312
208	LMNT/20001-5/3/LMNT	37	84		60.1	68.4	8597	706	9303
207	AR 1142/JODN	37	87		66.7	71.2	8111	1156	9267
213	KATY/CPRS//JKSN	39	90		66.4	71.7	7868	1354	9222
226	DREW/KDM 105	38	92		56.1	68.1	7196	2003	9199
251	DELLMATI	45	82	90	53.9	67.9	4702	4477	9179
248	BENGAL	39	90		64.4	72.3	8080	1041	9121
227	JSMN/TORO-2	41	94		57.7	72.1	8416	673	9089
• 237	CYPRESS	39	93		65.4	70.4	7673	1326	8999
238	JACKSON	44	90		63.7	71.4	8314	682	8996
236	DREW	47	93		58.0	69.3	7512	1376	8888
232	TX 6178	42	90		69.4	72.6	7211	1676	8887
212	LSCN/CPRS	42	95		58.3	67.8	7603	1283	8886
253	XL-6	43	84	73	50.0	69.5	8117	681	8798
• 201	CF 51	36	82		63.0	74.9	7828	946	8774
222	BNGL/RICO	39	94		60.1	70.7	6854	1899	8753
244	DELLROSE	41	89		68.4	72.6	7038	1706	8744
202	CL 121	37	82		62.7	75.0	7386	1347	8733
239	JEFFERSON	38	83		54.4	72.0	7544	1182	8726
219	SP 361	39	81		68.5	72.4	7988	695	8683
215	AR 1142/LA 2031	40	90		58.4	68.3	8269	377	8646
246	TORO-2	46	89		66.8	72.8	7722	881	8603
229	BRAZ/TBNT/3/164986-4	35	89		64.4	71.6	7363	1141	8504
256	MS 0004015	44	87		64.8	72.2	7646	835	8481
242	WELLS	41	93		58.8	70.9	7334	1108	8442

2001001 05

Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Crowley, LA

Entry	Pedigree	Plant Height (in)	Days to 50% Heading	Lodging %	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
205	AR 1142/LA 2031	37	91		63.3	71.0	7337	1023	8360
220	PY 678	40	86		68.6	72.0	7890	380	8270
225	KOKR/BNGL	35	81		65.7	69.6	7216	1052	8269
217	LL BNGL	35	91		67.6	70.3	7290	953	8242
221	9502065/3/MERC//MERC	37	86		62.0	70.6	7207	675	7882
230	880427	44	85		61.5	69.6	6678	917	7594
223	BNGL//MERC/RICO	37	91		70.9	73.6	6652	942	7594
252	DIXIEBELLE	35	86		65.4	72.3	6561	979	7540
228	291643/MARS	39	85	7	67.1	71.6	6235	899	7133
245	LEMONT	38	94		64.9	72.1	6120	758	6878
234	S-102	35	74	27	59.2	78.4	6069	591	6659
249	LAFITTE	35	81		67.8	77.1	6163	377	6540
243	MADISON	36	93		65.2	72.7	5572	797	6369
254	9802189	47	185		56.3	70.7	5574	712	6287
241	MAYBELLE	39	83		63.5	69.4	5325	281	5606
250	DELLA	55	91	47	61.4	71.3	4958	339	5296
255	9802192	52	186		45.2	67.7	4832	421	5253
231	TX 5012	38	90		62.3	70.6	3940	1060	5000
LSD (0.05)		2.9	2.6		6.5	3.4	934	62.7	10.4
C.V. %		4.5	1.7		5.2	2.4	7.8	1137	1377

2001001 05

Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Calcasieu Parish, LA

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Lodging %	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
253	XL-6	6	43	89	23	54.8	71.5	8247	445	8692
242	WELLS	4	40	93		52.4	71.7	7690	717	8407
240	LAGRUE	4	41	92		56.5	69.4	7380	467	7847
248	BENGAL	4	37	91		67.5	71.2	7277	393	7670
235	COCODRIE	5	36	90		61.6	71.1	6395	722	7117
236	DREW	5	43	93		61.4	72.2	6368	697	7065
247	PRISCILLA	5	36	91		57.3	72.2	6377	668	7045
218	BNGL//MERC/RICO	5	38	89		67.2	71.2	6458	541	6999
206	KATY//CPRS/3/CPRS/LMNT	6	38	90		60.0	69.7	6493	419	6912
222	BNGL/RICO	5	36	91		68.7	72.8	6042	771	6813
238	JACKSON	5	37	89		62.8	72.6	6082	676	6758
237	CYPRESS	5	35	92		66.0	72.5	5745	1012	6757
221	9502065/3/MERC//MERC	5	35	85		62.7	71.5	6300	450	6750
239	JEFFERSON	6	35	84		57.4	71.5	6181	556	6737
209	L202/LMNT//KATY/JKSN	6	37	92		63.8	69.1	6475	256	6731
227	JSMN/TORO-2	6	34	94		59.5	71.4	6445	280	6725
205	AR 1142/LA 2031	6	33	91		62.4	71.4	6395	266	6661
220	PY 678	6	36	89		68.1	72.1	6089	567	6656
204	AR 1188/CCDR	5	35	90		64.4	71.0	6195	440	6635
217	LL BNGL	5	34	92		68.4	74.0	6088	456	6544
207	AR 1142/JODN	5	32	90		61.7	71.8	6230	293	6523
232	TX 6178	6	36	92		67.6	71.8	5710	773	6483
233	AB SRM 154291	5	32	90		66.8	70.2	5819	655	6474
215	AR 1142/LA 2031	5	33	92		53.6	67.4	6121	301	6422
214	902207x2/LGRU	4	35	91		62.2	71.0	5807	609	6416
246	TORO-2	5	40	93		66.8	74.4	5905	509	6414
219	SP 361	7	35	83		67.4	72.0	5618	789	6407
223	BNGL//MERC/RICO	5	35	89		69.6	73.4	5572	831	6403
224	LL 0001	5	35	92		67.6	72.2	6089	307	6396
226	DREW/KDM 105	7	33	94		61.5	71.6	5952	429	6381
203	CL 141	5	40	91		64.3	71.1	5721	646	6367
213	KATY/CPRS//JKSN	5	35	91		62.7	69.4	5840	519	6359
212	LSCN/CPRS	5	36	94		60.9	70.9	5928	420	6348
208	LMNT/20001-5/3/LMNT	7	32	90		62.7	63.7	5937	391	6328
256	MS 0004015	5	40	94		64.3	73.9	5554	738	6292
210	CPRS/LGRU	6	35	93		61.1	69.4	5613	580	6193
249	LAFITTE	5	33	82		69.9	74.3	5723	421	6144

20010010

Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Calcasieu Parish, LA

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Lodging %	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
216	CPRS/LGRU	5	35	94		64.6	71.5	5514	591	6105
229	BRAZ/TBNT/3/164986-4	5	35	91		61.4	68.4	5585	480	6065
225	KOKR/BNGL	6	33	88		67.9	72.4	5078	914	5992
245	LEMONT	6	35	93		66.4	73.4	5446	340	5786
211	AR 1142/MBLE	5	34	86		54.4	70.8	5126	656	5782
244	DELLROSE	6	34	91		66.4	72.8	5153	604	5757
252	DIXIEBELLE	6	32	90		58.2	69.2	4992	516	5508
228	291643/MARS	6	33	84		68.1	74.5	4815	683	5498
255	9802192	9	44	94		58.0	67.2	4974	376	5350
243	MADISON	6	32	94		65.7	70.6	4626	713	5339
202	CL 121	6	31	82		66.0	73.1	4916	374	5290
201	CF 51	6	31	85		60.0	73.5	4662	580	5242
230	880427	6	37	88		60.7	68.8	4876	332	5208
251	DELLMATI	6	43	83		57.4	70.7	4303	774	5077
231	TX 5012	8	35	88		60.1	72.0	3633	626	4259
250	DELLA	5	43	93		54.8	72.5	3853	306	4159
254	9802189	9	40	93		67.5	72.8	3087	876	3963
234	S-102	5	34	74		67.5	75.8	2948	445	3393
241	MAYBELLE	9	35	85		64.2	72.0	2786	342	3128
C.V.%		8.2	5.7	1.8		5.5	3	12.7	52.1	12.9
LSD (0.05)		0.7	3.3	2.6		6.9	4.3	1161	457	1288

2001001 03

Table xx. Agronomic performance of 2000 Commercial Advanced, Catahoula Parish, LA

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Lodging %	Yield (lb/A,12%)
207	AR 1142/JODN	5	39	82		9481
240	LAGRUE	4	47	85		9450
242	WELLS	4	44	84		9108
204	AR 1188/CCDR	5	41	79		8748
208	LMNT/20001-5/3/LMNT	5	38	81		8734
215	AR 1142/LA 2031	5	38	83		8724
235	COCODRIE	5	43	79		8207
238	JACKSON	5	45	81		8087
209	L202/LMNT//KATY/JKSN	5	40	84		8044
210	CPRS/LGRU	5	38	85		7998
212	LSCN/CPRS	5	43	88		7998
213	KATY/CPRS//JKSN	4	38	81		7989
254	EARL	5	43	84		7970
236	DREW	4	49	86		7943
216	CPRS/LGRU	4	43	84		7836
214	902207x2/LGRU	5	39	82		7774
219	SP 361	6	44	83		7759
220	PY 678	5	45	84		7728
206	KATY//CPRS/3/CPRS/LMNT	4	42	83		7704
248	BENGAL	4	40	85		7456
205	AR 1142/LA 2031	5	38	81		7343
237	CYPRESS	4	41	83		7338
226	DREW/KDM 105	5	41	86		7335
203	CL 141	4	47	80	10	7186
234	S-102	5	43	72		7145
222	BNGL/RICO	5	43	85		7112
223	BNGL//MERC/RICO	4	42	83	20	7037
233	AB SRM 154291	4	36	83		6995
218	BNGL//MERC/RICO	4	43	83		6976
239	JEFFERSON	6	39	71	10	6917
232	TX 6178	5	41	81		6825
229	BRAZ/TBNT/3/164986-4	5	40	83		6795
256	MS 0004015	5	46	82		6791
201	CF 51	5	36	70		6791
247	PRISCILLA	5	41	83		6607
253	XL-6	5	46	80	90	6591
211	AR 1142/MBLE	5	40	78		6562
231	TX 5012	7	38	74		6482

2001001 05

Table xx. Agronomic performance of 2000 Commercial Advanced, Catahoula Parish, LA

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Lodging %	Yield (lb/A,12%)
255	LL 0601	4	38	86		6456
228	291643/MARS	6	39	71		6450
202	CL 121	5	38	72		6436
224	LL 0001	4	38	86		6413
221	9502065/3/MERC//MERC	5	38	82		6252
252	DIXIEBELLE	6	35	79		6197
217	LL BNGL	4	37	86		6026
245	LEMONT	5	39	83		5949
241	MAYBELLE	9	41	69		5948
227	JSMN/TORO-2	6	43	83	57	5907
244	DELLROSE	5	39	79		5834
225	KOKR/BNGL	5	40	84		5790
249	LAFITTE	5	40	80		5452
230	880427	6	42	79		5444
246	TORO-2	4	45	83	13	4997
243	MADISON	5	38	83		4231
251	DELLMATI	6	51	75	47	3579
250	DELLA	4	54	82	90	2659
C.V.%		9.9	4.4	2.5		8.1
LSD (0.05)		0.8	3.0	3.2		906

20010010

Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Jeff Davis Parish, LA

ENT	PEDIGREE	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
253	XL-6	5	37	76	52.7	69.5	10230	1384	11614
226	DREW/KDM 105	7	33	86	55.9	67.4	8053	2452	10505
227	JSMN/TORO-2	6	38	89	59.4	68.6	9126	1364	10490
218	BNGL//MERC/RICO	5	38	80	63.8	71.6	9187	1186	10373
239	JEFFERSON	6	32	72	62.0	71.5	7601	2513	10114
222	BNGL/RICO	5	36	86	65.2	71.5	7818	2232	10050
228	291643/MARS	5	37	73	64.0	72.0	8279	1628	9907
232	TX 6178	5	34	81	68.0	72.0	7467	2287	9754
248	BENGAL	4	35	84	66.5	70.9	8328	1195	9523
244	DELLROSE	5	35	77	61.8	68.4	5935	3503	9438
220	PY 678	6	38	81	62.9	69.7	8930	475	9405
240	LAGRUE	4	37	75	55.2	72.7	7912	1475	9387
246	TORO-2	5	39	84	58.9	73.3	8440	780	9220
221	9502065/3/MERC//MERC	5	35	80	61.5	72.9	8695	523	9218
219	SP 361	6	38	78	64.9	70.0	8601	588	9189
249	LAFITTE	5	34	76	63.8	67.2	8357	759	9116
247	PRISCILLA	5	35	79	50.1	72.0	7658	1446	9104
242	WELLS	4	39	79	58.5	73.7	8061	899	8960
223	BNGL//MERC/RICO	4	34	82	67.0	72.7	7576	1344	8920
208	LMNT/20001-5/3/LMNT	5	33	78	57.7	69.9	6877	1990	8867
256	MS 0004015	5	38	78	66.2	74.4	7418	1438	8856
217	LL BNGL	4	31	85	65.0	70.4	7602	1161	8763
206	KATY//CPRS/3/CPRS/LMNT	5	33	77	48.7	72.7	7291	1404	8695
236	DREW	4	41	80	61.3	72.6	7425	1262	8687
211	AR 1142/MBLE	5	35	76	61.4	70.7	7623	991	8614
224	LL 0001	5	32	84	62.3	68.0	7333	1259	8592
233	AB SRM 154291	4	30	79	66.0	69.2	6770	1705	8475
203	CL 141	5	42	79	63.9	72.2	7786	646	8432
212	LSCN/CPRS	5	37	81	63.8	74.7	7415	864	8279
202	CL 121	5	32	72	65.1	73.0	6768	1444	8212
229	BRAZ/TBNT/3/164986-4	5	35	84	63.4	68.0	6990	1168	8158
204	AR 1188/CCDR	6	34	77	62.2	70.1	6978	1010	7988
231	TX 5012	8	35	75	57.3	69.5	6328	1646	7974
225	KOKR/BNGL	5	32	76	63.8	67.5	6420	1416	7836
205	AR 1142/LA 2031	6	32	82	63.8	72.4	7136	564	7700
210	CPRS/LGRU	5	34	80	58.2	68.9	6203	1372	7575
238	JACKSON	5	38	78	56.7	72.6	7218	309	7527
213	KATY/CPRS//JKSN	4	31	76	61.6	70.9	6147	1300	7447

2001001 05

Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Jeff Davis Parish, LA

ENT	PEDIGREE	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
254	9802189	9	44	87	56.5	67.8	6589	841	7430
243	MADISON	6	33	83	64.9	72.3	6483	829	7312
207	AR 1142/JODN	5	31	79	62.0	71.4	6921	324	7245
252	DIXIEBELLE	5	31	80	62.9	68.6	5836	1309	7145
• 201	CF 51	5	33	76	60.0	71.6	6143	987	7130
234	S-102	5	33	66	70.3	73.0	5932	1109	7041
251	DELLMATI	5	38	69	61.4	72.8	5108	1764	6872
214	902207x2/LGRU	4	32	79	58.8	71.9	5586	1254	6840
235	COCODRIE	5	32	76	55.7	70.8	5747	912	6659
215	AR 1142/LA 2031	4	31	79	52.2	64.1	6284	274	6558
245	LEMONT	5	33	82	56.9	73.3	6133	424	6557
230	880427	5	36	75	59.5	67.3	5474	978	6452
216	CPRS/LGRU	5	32	80	62.3	68.9	5646	706	6352
250	DELLA	5	51	86	61.4	73.0	5759	373	6132
241	MAYBELLE	8	36	72	58.4	73.2	5583	478	6061
209	L202/LMNT//KATY/JKSN	5	33	79	62.8	70.3	5231	557	5788
255	9802192	9	48	87	44.5	64.9	4937	844	5781
• 237	CYPRESS	4	32	81	58.5	68.6	4673	846	5519
C.V%		8.2	5.0	1.6	3.2	6.0	8.8	63.5	12.6
LSD (0.05)		0.7	2.9	2.1	4.5	7.3	999	1207	1680

2001001 05

Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Vermilion Parish, LA

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
240	LAGRUE	4	42	85	54.1	71.7	8896	1447	10343
242	WELLS	4	39	86	61.2	73.1	9023	1257	10280
208	LMNT/20001-5/3/LMNT	5	32	84	57.9	68.9	8196	2017	10213
218	BNGL//MERC/RICO	5	42	85	65.0	72.8	8938	1180	10118
247	PRISCILLA	5	37	85	58.2	71.6	7821	2143	9964
222	BNGL/RICO	5	39	88	64.2	71.8	7759	2138	9897
235	COCODRIE	5	35	84	62.0	71.8	8728	1133	9861
212	LSCN/CPRS	5	39	87	61.0	71.6	8196	1574	9770
216	CPRS/LGRU	5	37	87	65.2	71.9	8071	1633	9704
210	CPRS/LGRU	5	35	87	61.5	71.9	7613	2058	9671
219	SP 361	6	38	77	63.9	71.5	8089	1575	9664
204	AR 1188/CCDR	5	35	82	61.0	71.4	8844	812	9656
228	291643/MARS	5	40	78	60.3	69.5	8258	1348	9606
256	MS 0004015	4	42	86	65.1	75.4	7544	1980	9524
253	XL-6	5	38	80	45.2	69.2	9050	468	9518
238	JACKSON	4	41	85	59.1	73.9	8753	738	9491
213	KATY/CPRS//JKSN	5	35	84	61.3	71.5	8449	970	9419
248	BENGAL	4	36	86	65.9	71.2	8266	1131	9397
214	902207x2/LGRU	4	35	85	61.0	73.5	7946	1434	9380
211	AR 1142/MBLE	5	38	78	60.0	71.3	7854	1463	9317
239	JEFFERSON	6	35	77	65.0	73.1	7680	1580	9260
202	CL 121	5	34	77	62.5	70.7	8233	963	9196
221	9502065/3/MERC//MERC	5	36	83	61.1	72.4	8368	775	9143
224	LL 0001	5	35	86	66.2	72.9	7618	1400	9018
229	BRAZ/TBNT/3/164986-4	5	38	86	65.6	71.4	7651	1363	9014
244	DELLROSE	6	36	84	68.4	73.4	6899	2094	8993
209	L202/LMNT//KATY/JKSN	4	36	87	64.1	70.5	8083	905	8988
223	BNGL//MERC/RICO	4	37	86	68.3	74.3	7977	973	8950
215	AR 1142/LA 2031	5	33	86	54.4	70.0	8602	338	8940
220	PY 678	6	40	85	64.2	66.4	8014	892	8906
203	CL 141	5	42	83	62.8	72.6	7462	1429	8891
207	AR 1142/JODN	4	33	84	61.0	72.7	8204	648	8852
• 237	CYPRESS	4	35	87	68.6	73.2	7534	1273	8807
232	TX 6178	5	38	87	65.7	72.6	6786	2002	8788
205	AR 1142/LA 2031	6	35	87	63.1	73.5	8080	679	8759
226	DREW/KDM 105	6	35	87	56.7	69.9	7405	1338	8743
206	KATY//CPRS/3/CPRS/LMNT	5	37	84	58.9	72.3	7826	897	8723
233	AB SRM 154291	4	32	85	71.5	73.4	7515	1172	8687

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Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, Vermilion Parish, LA

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Milling Whole	Milling Total	Yield (lb/A,12%)	Ratoon Yield (lb/A,12%)	Total Yield (lb/A,12%)
227	JSMN/TORO-2	6	39	90	62.6	71.9	8661	0	8661
231	TX 5012	7	37	81	60.8	73.3	6662	1736	8398
234	S-102	5	38	75	69.8	73.6	7134	1221	8355
217	LL BNGL	5	34	86	66.6	72.0	7013	1337	8350
249	LAFITTE	5	39	78	68.8	72.1	7776	457	8233
230	880427	5	40	79	61.5	70.6	7200	1008	8208
245	LEMONT	6	35	87	63.1	73.4	7032	1175	8207
252	DIXIEBELLE	6	32	85	65.1	73.4	6536	1401	7937
246	TORO-2	5	43	87	61.8	73.4	7053	611	7664
201	CF 51	6	33	78	64.1	73.3	6972	663	7635
241	MAYBELLE	9	41	80	60.7	70.7	7432	0	7432
236	DREW	4	43	87	63.7	74.1	5931	1374	7305
243	MADISON	6	34	87	64.8	72.7	5866	1408	7274
225	KOKR/BNGL	5	35	81	64.3	73.6	6024	1178	7202
251	DELLMATI	5	47	77	54.4	71.2	4955	1543	6498
250	DELLA	5	51	89	54.9	70.6	5682	378	6060
255	9802192	9	50	88	37.8	65.3	4248	633	4881
254	9802189	9	49	88	44.9	67.0	3603	1031	4634
C.V.%		8.5	3.2	1.2	2.4	3.9	8.6	22.1	8.2
LSD (0.05)		0.7	1.9	1.6	3.4	4.8	1047	422	1155

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Table xx. Agronomic performance of Commercial Advanced Test, East Carroll Parish, LA

ENT	PEDIGREE	Yield (lb/A,12%)
253	XL-6	11578
227	JSMN/TORO-2	10454
207	AR 1142/JOHN	10217
254	EARL	9886
208	LMNT/20001-5/3/LMNT	9814
248	BENGAL	9788
240	LAGRUE	9712
215	AR 1142/LA 2031	9685
218	BNGL//MERC/RICO	9599
222	BNGL/RICO	9496
209	L202/LMNT//KATY/JKSN	9487
235	COCODRIE	9446
226	DREW/KDM 105	9195
212	LSCN/CPRS	9173
242	WELLS	9116
224	LL 0001	9077
238	JACKSON	9059
216	CPRS/LGRU	9007
210	CPRS/LGRU	8926
220	PY 678	8921
214	902207x2/LGRU	8854
219	SP 361	8805
223	BNGL//MERC/RICO	8729
229	BRAZ/TBNT/3/164986-4	8623
206	KATY//CPRS/3/CPRS/LMNT	8578
217	LL BNGL	8561
213	KATY/CPRS//JKSN	8494
221	9502065/3/MERC//MERC	8333
249	LAFITTE	8308
236	DREW	8297
247	PRISCILLA	8198
203	CL 141	8192
255	LL 0601	8177
233	AB SRM 154291	8000
• 237	CYPRESS	7997
225	KOKR/BNGL	7987
205	AR 1142/LA 2031	7954
234	S-102	7907

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Table xx. Agronomic performance of Commercial Advanced Test, East Carroll Parish, LA

ENT	PEDIGREE	Yield (lb/A,12%)
228	291643/MARS	7824
231	TX 5012	7756
230	880427	7668
202	CL 121	7666
239	JEFFERSON	7404
256	MS 0004015	7118
246	TORO-2	7041
241	MAYBELLE	6964
232	TX 6178	6767
250	DELLA	6764
245	LEMONT	6760
252	DIXIEBELLE	6753
201	CF 51	6502
244	DELLROSE	6340
243	MADISON	5840
211	AR 1142/MBLE	5423
251	DELLMATI	4191
204	AR 1188/CCDR	3051
C.V.%		9.6
LSD (0.05)		926

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Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, average over six locations. Crowley, Calcasieu, Catahoula, East Carroll, Jeff Davis, Lake Arthur

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Lodging %	Milling Whole	Milling Total	Yield (lb/A,12%)
253	XL-6	5	41	82	31	50.6	69.9	8969
240	LAGRUE	4	43	85		55.0	70.1	8747
242	WELLS	4	40	87		57.7	72.3	8389
218	BNGL//MERC/RICO	5	40	85		66.5	72.2	8356
248	BENGAL	4	37	87		66.1	71.4	8199
207	AR 1142/JODN	5	35	84		62.8	71.8	8194
227	JSMN/TORO-2	6	39	90	9	59.8	71.0	8168
208	LMNT/20001-5/3/LMNT	6	34	83		59.6	67.7	8026
215	AR 1142/LA 2031	5	35	86		54.6	67.4	7948
220	PY 678	6	40	85		65.9	70.0	7929
238	JACKSON	5	41	85		60.6	72.6	7919
235	COCODRIE	5	37	84		61.0	71.4	7814
219	SP 361	6	39	80		66.2	71.5	7810
206	KATY//CPRS/3/CPRS/LMNT	5	38	84		57.9	70.3	7733
212	LSCN/CPRS	5	39	89		61.0	71.2	7719
209	L202/LMNT//KATY/JKSN	5	37	86		63.9	69.7	7693
221	9502065/3/MERC//MERC	5	36	83		61.8	71.8	7526
226	DREW/KDM 105	6	36	89		57.5	69.3	7523
222	BNGL/RICO	5	39	89		65.9	70.3	7514
224	LL 0001	5	35	87		65.7	70.6	7490
210	CPRS/LGRU	5	36	87		60.3	69.8	7486
213	KATY/CPRS//JKSN	5	36	84		63.0	70.9	7464
247	PRISCILLA	5	38	85		55.3	71.4	7464
216	CPRS/LGRU	5	37	88		64.2	70.5	7415
214	902207x2/LGRU	4	36	85		61.8	72.0	7393
203	CL 141	5	44	84	2	63.4	71.3	7391
205	AR 1142/LA 2031	6	35	86		63.1	72.1	7374
223	BNGL//MERC/RICO	4	37	86	3	68.9	73.5	7257
236	DREW	4	44	88		61.1	72.0	7246
239	JEFFERSON	6	36	77	2	59.7	72.0	7221
233	AB SRM 154291	4	33	85		68.4	71.0	7215
229	BRAZ/TBNT/3/164986-4	5	36	87		63.7	69.8	7168
217	LL BNGL	5	34	88		66.9	71.7	7097
256	MS 0004015	5	42	85		65.1	74.0	7012
204	AR 1188/CCDR	5	37	83		64.4	70.2	6998
228	291643/MARS	6	38	78	1	64.9	71.9	6977
249	LAFITTE	5	36	80		67.5	72.6	6963
202	CL 121	5	35	77		64.1	72.9	6901
246	TORO-2	5	43	87	2	63.5	73.5	6860
237	CYPRESS	4	36	87		64.6	71.2	6827
232	TX 6178	5	38	86		67.7	72.2	6794

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Table xx. Agronomic and milling performance of 2000 Commercial Advanced Test, average over six locations. Crowley, Calcasieu, Catahoula, East Carroll, Jeff Davis, Lake Arthur

Entry	Pedigree	Seedling Vigor	Plant Height (in)	Days to 50% Heading	Lodging %	Milling Whole	Milling Total	Yield (lb/A,12%)
211	AR 1142/MBLE	5	37	80		57.7	71.1	6734
201	CF 51	6	34	78		61.7	73.3	6483
225	KOKR/BNGL	5	35	82		65.4	70.8	6419
245	LEMONT	5	36	88		62.8	73.0	6240
230	880427	5	40	81		62.4	68.3	6223
244	DELLROSE	5	37	84		67.1	70.9	6200
234	S-102	5	37	72	4	66.7	75.2	6189
252	DIXIEBELLE	6	33	84		62.9	70.8	6146
231	TX 5012	7	37	82		60.1	71.3	5800
241	MAYBELLE	9	38	78		61.7	71.3	5673
243	MADISON	6	35	88		65.2	72.1	5436
250	DELLA	5	50	88	23	58.1	71.9	4946
251	DELLMATI	5	45	77	23	56.8	70.6	4473
C.V. %		8.6	8.1	5.8		4.7	4.0	16.7
LSD (0.05)		0.6	3.8	6.1		4.0	3.9	1357

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protectio certificate is to be issued (7 U.S.C. 2421). Information is held confidenti until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER	CF-0051	CF 51 RAD 9/10/04
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP, and Country)*	5. TELEPHONE *(include area code)*	6. FAX *(include area code)*
LOUISIANA STATE UNIV. AGRI. CENTER RICE RESEARCH STATION ~~P. O. BOX 1429~~ ~~CROWLEY, LA 70527-1429~~ RAD 11/5/04	/788-7531	/788-7553
	7. PVPO NUMBER 200100103	

8. Does the applicant own all rights to the variety? *Mark an "X" in appropriate block.* If no, please explain. [XX] YES [ ] NO

1373 Caffey Road
Rayne, LA 70578

9. Is the applicant (individual or company) a U.S. national or U.S. based company? [XX] YES [ ] NO
If no, give name of country

10. Is the applicant the original owner? [XX] YES [ ] NO *If no, please answer one of the following:*

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

[ ] YES [ ] NO If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?

[XX] YES [ ] NO If no, give name of country

11. Additional explanation on ownership *(if needed, use reverse for extra space)*:

Owned by the Agricultural Experiment Station of the Louisiana State University.

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

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