No. 200400171

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

O & A Enterprises, Inc.

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 FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PERMITTED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'OA-265BR'

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 twenty-fifth day of March, in the year two thousand and five.

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: O & A Enterprises, Inc.
2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME: OA-265
3. VARIETY NAME: OA-265BR
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*: P.O. Box 1440, Maricopa, AZ 85239
5. TELEPHONE *(include area code)*: (520) 381-2219
6. FAX *(include area code)*: (520) 568-2556

FOR OFFICIAL USE ONLY
PVPO NUMBER: 200400171
FILING DATE: MARCH 19, 2004

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*: Corporation
8. IF INCORPORATED, GIVE STATE OF INCORPORATION: DE
9. DATE OF INCORPORATION: April 10, 1998

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*
Dr. James M. Olvey
O & A Enterprises, Inc.
P.O. Box 1440
Maricopa, AZ 85239

FEES RECEIVED
FILING AND EXAMINATION FEES: $ 3652.00 DATE 03/19/04
CERTIFICATION FEE: $ 432.00 DATE 12/27/04

11. TELEPHONE *(Include area code)*: (520) 381-2219
12. FAX *(Include area code)*: (520) 568-2556
13. E-MAIL: pimarus@aol.com
14. CROP KIND *(Common Name)*: Cotton
15. GENUS AND SPECIES NAME OF CROP: Gossypium Hirsutum
16. FAMILY NAME *(Botanical)*: Malvaceae
17. IS THE VARIETY A FIRST GENERATION HYBRID? ☐ YES ☑ NO
18. DOES THE VARIETY CONTAIN ANY TRANSGENES? ***(OPTIONAL)***
☐ YES ☐ NO
IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERICALIZATION. _____

19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)
- a. ☑ Exhibit A. Origin and Breeding History of the Variety
- b. ☑ Exhibit B. Statement of Distinctness
- c. ☑ Exhibit C. Objective Description of Variety
- d. ☐ Exhibit D. Additional Description of the Variety *(Optional)*
- e. ☑ Exhibit E. Statement of the Basis of the Owner's Ownership
- f. ☑ 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. ☑ Filing and Examination Fee ($3,652), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

20. 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)*
☐ YES *(If "yes", answer items 21 and 22 below)* ☑ NO *(If "no", go to item 23)*

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?
☐ YES ☐ NO
IF YES, WHICH CLASSES? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☐ YES ☐ NO
IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.
☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED
(If additional explanation is necessary, please use the space indicated on the reverse.)

23. 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?
☑ 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.)*

24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)*?
☐ YES ☑ NO
IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

25. The owners declare that a viable sample of basic seed of the variety has been 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	
James M. Olvey			
NAME *(Please print or type)*		NAME *(Please print or type)*	
Dr. James M. Olvey		~~Dr. James M. Olvey~~	
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
President	3-15-04	~~President~~	

(See reverse for instructions and information collection burden statement)

ST-470 (04-03) designed by the Plant Variety Protection Office using Word 2002.

OA-265BR

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 $3,652.($432 filing fee and $3,220 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 401, 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 $432 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/pvpo/pvp.htm

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To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. 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

19b. 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.

19c. 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.

19d. 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.*

19e. 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.

20. 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).*

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

24. *See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.*

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

23. 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.)*

April 8, 2003

24. 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).)*

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. The fees for filing a change of address; owner's representative; 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.)*

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 information collection 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, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (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 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

Origin and Breeding History
Acala OA-265

Selection criteria for Acala OA-265 focused on the fiber properties of strength and color (whiteness). A lower % seed gossypol (to reduce toxicity in cattle feed) was also part of the selection criteria. In addition to these traits, this variety was chosen for its high lint yield (lbs/acre).

Acala OA-265 originated from a cross between OA experimental lines 9601-31 and 9406-52. Acala OA-265 was tested in several areas in the San Joaquin Valley (SJV). Acala OA-265 is well adapted to high verticillium wilt soils, has excellent heat tolerance and has excellent seedling vigor with high yields.

Stability and uniformity of Acala OA-265 has been observed for 4 generations in which no variants have occurred. The variety is stable and uniform.

Breeding History

1996 (Cross)	9601-31 X 9406-52
1996	F1/F2
1997	F3/F4
1998	Individual Plant Selection by O&A
1999	Progeny Row
2000	1st Year SJVCB Testing and Increase
2001	2nd Year SJVCB Testing and Increase
2002	3rd Year SJVCB Testing and Increase
2003	Release for commercialization

Exhibit B
Statement of Distinctness
Acala OA-265

Acala OA-265 is most similar to the current standard, Maxxa. SJVCB trial data from 2000 Screening and 2001 and 2002 Variety trials indicate the following significant differences between Acala OA-265 and Maxxa. Data tables from San Joaquin Valley Cotton Board (SJVCB) trials for 2000, 2001 and 2002 indicating these differences are attached. These results were obtained from published data in the following publications:

2000 San Joaquin Valley Cotton On-Farm Variety Trial Program, University of California, Davis Agronomy and Range Science Department, published August 2001

2001 San Joaquin Valley Cotton On-Farm Variety Trial Program, University of California, Davis Agronomy and Range Science Department, published September 2002

2002 San Joaquin Valley Cotton On-Farm Variety Trial Program, University of California, Davis Agronomy and Range Science Department, published August 2003

All data tables presented were obtained from the above publications with the exception of some plant characteristics found in Exhibit C which were obtained from in-house measurements. All on-farm variety and screening trials are conducted on commercial fields in RCB designs with four replicates. The cooperating ranchers follow best management recommendations for their particular area. The screening tests use 50-feet plots at these locations and the variety tests use one-fourth or one-half mile plot lengths (4-8 rows wide) at eight locations.

The least squares estimates of the parameters in the model, fitted values, residuals, sum of squares and mean squares are obtained using the GLM and REG procedures of SAS/PC. In addition, the SAS procedures MEANS and MIXED are used to perform the relevant analyses of yield, fiber and yarn properties.

Acala OA-265 has significantly higher lint yield (combined across locations) than Maxxa (2001, Exhibits 1). Acala OA-265 had a higher lint yield of 87 lbs. at Buena Vista and 48 lbs. at Corcoran (2001, Exhibit 2) with a significantly higher lint yield at Tipton (2001, Exhibit 3). In 2002, Acala OA-265 again demonstrates a significantly higher lint yield combined across locations (Exhibit 4) along with significantly higher yields at Tipton, Waukena and Five Points (Exhibits 5, 6 and 7). Acala OA-265 also has significantly higher seed cotton yield (2002, Exhibits 8 through 14).

For fiber characteristics, Acala OA-265 is significantly stronger than Maxxa (2002, Exhibits 15 and 16) and has significantly higher elongation (2001, Exhibit 17; 2002, Exhibits 18 and 19) and significantly higher yarn strength (2002, Exhibit 20) and yarn tenacity (2001, Exhibit 21; 2002, Exhibits 22 and 23). OA-265 has slightly greater work (gF.cm) (2001, Exhibit 24) and greater count strength product (lb Ne)(2001, Exhibit 25) than Maxxa. OA-265 has significantly lower total sticky deposits (2001, Exhibit 26)

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and significantly less yellowness (2001, Exhibit 27) than Maxxa.

For seed characteristics, Acala OA-265 has significantly lower % moisture (2002, Exhibit 28), significantly lower % free gossypol (2002, Exhibit 29) and significantly lower % linters (2002, Exhibit 30) than Maxxa.

A summary table of fiber and yarn traits combined across locations (2002) can be found in Exhibit 31.

Exhibits 32 through 35 are also attached to support data entered in Exhibit C (Objective Description of Variety).

DRAFT

EXHIBIT C
(COTTON)

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

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
O & A Enterprises, Inc.	OA-265	OA-265BR

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP CODE

P.O. Box 1440
Maricopa, AZ 85239

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PVPO NUMBER

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Place the appropriate data that describes the varietal characteristic of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk * indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. Maxxa Variety 2. _____ Variety 3 _____

* 1. SPECIES:

X *G. hirsutum* L. _____ *G. barbadense* L.

* 2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

NA Eastern
NA Plains
_____ Other (Specify): _____

NA Delta
NA Western

NA Central
NA Arizona

NA Blacklands
A San Joaquin

3. GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Plant Habit: Spreading, Intermediate, Compact	Intermediate	Intermediate		
Foliage: Sparse, Intermediate, Dense	Intermediate	Intermediate		
Stem Lodging: Lodging, Intermediate, Erect	Erect	Erect		
Fruiting Branch: Clustered, Short, Normal	Normal	Normal		
Growth: Determinate, Intermediate, Indeterminate	Intermediate	Intermediate		
Leaf Color: Greenish yellow, Light green, Medium green, Dark green	Green	Green		

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3. GENERAL: (continued)

Boll Shape: Length less than width, Length equal to width, Length more than width	Length more than width	Length more than width
Boll Breadth: Broadest at base, Broadest at middle	Broadest at middle	Broadest at middle

* 4. MATURITY: (50% Open Bolls; Preferred method; Describe method if different method was used.)

Estimated % open Oct. 1	65	63

5. PLANT:

Cm to 1st Fruiting Branch: (from cotyledonary node)	17	18
No. of Nodes to 1st Fruiting Branch: (excluding cotyledonary node)	6	6
Mature Plant Height in: (from cotyledonary node to terminal)	39.8	35.8

*6. **LEAF:** Upper most, fully expanded leaf.

Type: Normal, sub Okra, Okra, Super Okra	Normal	Normal
Pubescence: Absent, Sparse, Medium, Dense **OR** Trichomes/cm2 (Bottom surface excluding veins)	Medium	Medium
Nectaries: Present or Absent	Present	Present

*7. STEM PUBESCENCE:

Glabrous, Intermediate, Hairy	Intermediate	Intermediate

*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal

Leaf:	Normal	Normal
Stem:	Normal	Normal
Calyx Lobe: (normal is absent)		

*9. FLOWER:

Petals: Cream, Yellow	Cream	Cream
Pollen: Cream, Yellow	Cream	Cream
Petal Spot: Present, Absent	Absent	Absent

*10. SEED:

Seed Index: (g/100 seed, fuzzy basis)	12.6	12.1
Lint Index: (g lint/100 seeds)	8.7	8.3

*11. BOLL:

Lint Percent:
__X__Picked _____Pulled 39.2 41.2

OR

Gin Turnout:
_____Picked _____Stripped

LALL PER EMAIL 4/28/04

Number of Seeds per Boll 28-35

Grams Seed Cotton per Boll AVERAGE 7.1 RANGE 6.6-7.6

Number of Locules per Boll 4-5 4-5

Boll Type:
(Stormproof, Storm Resistant, Open) Open Open

12. FIBER PROPERTIES:

Specify Method (HVI or other): Individual Instruments

* **Length:** (inches, 2.5% SL)	1.168	1.166
* **Uniformity:** (%)	82.4	83.1
* **Strength,** T1 (g/tex)	35.9**	33.3
* **Elongation,** E1 (%)	5.32**	5.12
* **Micronaire:**	4.01	4.06
Fineness (Source: AFIS)	165.4	166.9
Yarn Tenacity: (cN/tex, 27 tex)	19.3**	18.7
Yarn Strength: (lbs. 22's)	151.7**	147.2

** means significant at 0.05% level

13. DISEASES: (NT = Not Tested, S = Susceptible. MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

NT *Alternaria macrospora*
NT Anthracnose
NT Ascochyta Blight
NT Bacterial Blight (Race 1)
NT Bacterial Blight (Race 2)
NT Bacterial Blight (Race ____)
NT Diplodia Boll Rot
_____Other (specify) _____

NT Fusarium Wilt
NT Phymatotrichum Root Rot
NT *Pythium* (specify species)
NT *Rhizoctonia solani*
NT Southwestern Cotton Rust
NT Thielayiopsis basicola
R Verticillium Wilt

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14. NEMATODES, INSECTS AND PESTS: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant

NT Root-Knot Nematode

NT Boll Weevil

NT Bollworm

NT Cotton Aphid

NT Cotton Fleahopper

NT Cotton Leafworm

NT Cutworm (specify species): _____

NT Fall Armyworm

_____ Other (specify): _____

NT Reniform Nematode

NT Grasshopper (specify species): _____

NT Lygus (specify species): _____

NT Pink Bollworm

NT Spider Mite (specify species): _____

NT Stink Bug (specify species): _____

NT Thrips (specify species): _____

NT Tobacco Bud Worm

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety. BR

Exhibit 1

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Table 19. Acala lint yield data combined across locations, 2001.

No.	Variety	Combined* across locations	Buena Vista	Corcoran	Los Banos
		(lbs/acre)			
1	C-191	1545 cdef	1777 cd	1509 bcdef	1560 bc
2	C-192	1589 ab	1882 abcd	1657 ab	1616 ab
3	DP-6100RR	1397 i	1837 bcd	1479 cdef	1179 h
4	Maxxa	1492 g	1751 d	1591 abc	1544 bcd
5	PHY-72	1587 abc	1991 a	1570 abcd	1474 def
6	PHY-78	1566 bcde	1936 ab	1396 f	1681 a
7	BRB-0008	1443 h	1962 ab	1403 ef	1268 g
8	C-102	1599 ab	1968 ab	1632 abc	1588 b
9	C-104	1622 a	1908 abc	1661 ab	1599 b
10	C-105	1579 abcd	1902 abc	1695 a	1598 b
11	OA-261	1567 bcde	1915 ab	1541 abcdef	1466 ef
12	OA-262	1531 efg	1866 abcd	1422 def	1406 f
13	OA-263	1515 fg	1757 d	1478 cdef	1417 f
14	OA-265	1543 def	1838 bcd	1639 abc	1452 ef
15	PHX-A002	1584 abcd	1914 ab	1561 abcde	1425 f
16	PHX-A009	1595 ab	1908 abc	1599 abc	1504 cde
Mean		1548	1883	1557	1486
StdDev		224	96	134	136
LSD		44	135	163	73
CV		5	4	7	3

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Exhibit 2

20040017

Table 19. Acala lint yield data combined across locations, 2001.

No.	Variety	Combined* across locations	Buena Vista	Corcoran	Los Banos
		(lbs/acre)			
1	C-191	1545 cdef	1777 cd	1509 bcdef	1560 bc
2	C-192	1589 ab	1882 abcd	1657 ab	1616 ab
3	DP-6100RR	1397 i	1837 bcd	1479 cdef	1179 h
4	Maxxa	1492 g	1751 d	1591 abc	1544 bcd
5	PHY-72	1587 abc	1991 a	1570 abcd	1474 def
6	PHY-78	1566 bcde	1936 ab	1396 f	1681 a
7	BRB-0008	1443 h	1962 ab	1403 ef	1268 g
8	C-102	1599 ab	1968 ab	1632 abc	1588 b
9	C-104	1622 a	1908 abc	1661 ab	1599 b
10	C-105	1579 abcd	1902 abc	1695 a	1598 b
11	OA-261	1567 bcde	1915 ab	1541 abcdef	1466 ef
12	OA-262	1531 efg	1866 abcd	1422 def	1406 f
13	OA-263	1515 fg	1757 d	1478 cdef	1417 f
14	OA-265	1543 def	1838 bcd	1639 abc	1452 ef
15	PHX-A002	1584 abcd	1914 ab	1561 abcde	1425 f
16	PHX-A009	1595 ab	1908 abc	1599 abc	1504 cde
Mean		1548	1883	1557	1486
StdDev		224	96	134	136
LSD		44	135	163	73
CV		5	4	7	3

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Exhibit 3

20040017

Acala lint yield data combined across locations, 2001.

Table 19. (Continued).

No.	Variety	Mendota*	Tipton	Tranquillity	Wasco	Waukena
		(lbs/acre)				
1	C-191	1697 ab	1147 bcd	1505 abc	1549 cdef	1635 bcd
2	C-192	1669 abc	1223 abc	1541 ab	1415 f	1760 a
3	DP-6100RR	1475 f	1196 abc	1217 f	1604 bcde	1389 e
4	Maxxa	1614 bcde	1114 cd	1293 ef	1428 f	1594 d
5	PHY-72	1694 ab	1194 abc	1312 def	1726 ab	1699 abc
6	PHY-78	1374 g	1047 d	1486 abcd	1797 a	1693 abc
7	BRB-0008	1553 ef	1124 cd	1358 cdef	1583 bcdef	1383 e
8	C-102	1736 a	1184 abcd	1550 ab	1468 ef	1740 a
9	C-104	1658 abcd	1250 abc	1589 a	1617 bcde	1746 a
10	C-105	1601 cde	1173 bcd	1486 abcd	1574 bcdef	1636 bcd
11	OA-261	1657 abcd	1210 abc	1544 ab	1663 abcd	1622 cd
12	OA-262	1554 ef	1236 abc	1394 bcde	1662 abcd	1725 a
13	OA-263	1569 e	1267 ab	1447 abcde	1567 bcdef	1636 bcd
14	OA-265	1579 de	1262 ab	1420 abcde	1531 def	1644 bcd
15	PHX-A002	1659 abcd	1310 a	1341 cdef	1712 abc	1709 ab
16	PHX-A009	1670 abc	1263 ab	1595 a	1537 def	1764 a
Mean		1610	1202	1442	1590	1653
StdDev		109	149	129	171	127
LSD		85	137	176	168	81
CV		4	8	6	7	3

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Exhibit 4
December 20, 2002
200400171

Table 15a. Acala lint yield means combined across locations for the SJV OFVT, 2002.

No.	Variety	Mean*
1.	C-401	1764 a
2.	C-201	1723 ab
3.	C-104	1716 b
4.	OA-270	1712 b
5.	C-105	1710 b
6.	OA-265	1710 b
7.	STX-9M002	1698 bc
8.	PHX-A102	1698 bc
9.	OA-263	1666 cd
10.	OA-261	1654 de
11.	C-101	1652 de
12.	Maxxa	1635 de
13.	PHX-A101	1629 de
14.	OA-271	1616 ef
15.	OA-262	1582 f
16.	BRB-303	1529 g
Mean + SD		1668 ± 341
LSD (0.05)		43
CV		5

*Lint yield means (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 5

December 20, 2002

20040171

Table 6a. Tipton Acala lint yields for the SJV OFVT, 2002.

No.	Variety	Lint yield (lbs/acre)*
1.	C-201	1300 a
2.	OA-265	1276 ab
3.	C-105	1255 abc
4.	C-104	1247 abc
5.	STX-9M002	1229 abc
6.	C-401	1225 abc
7.	OA-263	1220 abc
8.	OA-261	1216 abc
9.	OA-271	1211 bc
10.	OA-262	1206 bc
11.	OA-270	1201 bc
12.	C-101	1184 c
13.	Maxxa	1183 c
14.	PHX-A102	1077 d
15.	PHX-A101	1034 de
16.	BRB-303	985 e
Mean + SD		1191 ± 206
LSD (0.05)		87
CV		5

*Lint yields (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 6

December 20, 2002

Table 7a. Waukena Acala lint yields for the SJV OFVT, 2002.

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No.	Variety	Lint yield (lbs/acre)*
1.	OA-265	2318 a
2.	C-401	2300 ab
3.	OA-270	2251 abc
4.	PHX-A102	2248 abcd
5.	C-201	2196 abcde
6.	C-101	2136 bcde
7.	STX-9M002	2122 bcde
8.	C-105	2119 cde
9.	PHX-A101	2115 cde
10.	C-104	2094 cdef
11.	OA-261	2081 cdef
12.	OA-262	2069 def
13.	OA-263	2064 ef
14.	OA-271	2053 ef
15.	Maxxa	2030 ef
16.	BRB-303	1930 f

Mean + SD	2133 ± 152
LSD (0.05)	180
CV	6

*Lint yields (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 7

December 20, 2002

Table 1a. Five Points Acala lint yields for the SJV OFVT, 2002. 200400171

No.	Variety	Lint yield (lbs/acre)*
1.	OA-270	1901 a
2.	C-401	1877 ab
3.	OA-271	1847 abc
4.	OA-265	1831 abcd
5.	PHX-A102	1811 abcd
6.	OA-261	1788 bcde
7.	STX-9M002	1772 bcdef
8.	C-105	1767 cdef
9.	C-104	1766 cdef
10.	OA-262	1766 cdef
11.	OA-263	1765 cdef
12.	PHX-A101	1726 def
13.	Maxxa	1692 efg
14.	C-201	1686 efg
15.	C-101	1680 fg
16.	BRB-303	1615 g

Mean + SD	1768 ± 99
LSD (0.05)	105
CV	4

*Lint yields (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 8

December 20, 2002

200400171

Table15c. Acala seed cotton means combined from across locations for the SJV OFVT, 2002.

No.	Variety	Mean*
1.	OA-270	5387 a
2.	OA-265	5366 a
3.	OA-271	5143 b
4.	C-401	5143 b
5.	C-101	5126 bc
6.	BRB-303	5072 bcd
7.	OA-262	5047 bcde
8.	C-105	5042 bcde
9.	STX-9M002	5005 cdef
10.	OA-263	4995 def
11.	C-201	4963 def
12.	C-104	4945 ef
13.	OA-261	4912 fg
14.	Maxxa	4795 g
15.	PHX-A102	4572 h
16.	PHX-A101	4508 h

Mean + SD	5001 ± 1053
LSD (0.05)	125
CV	5

*Seed cotton means (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 9
December 20, 2002

20040171

Table 1c. Five Points Acala seed cotton for the SJV OFVT, 2002.

No.	Variety	Seed cotton (lbs/acre)*
1.	OA-270	5932 a
2.	OA-271	5818 ab
3.	OA-265	5710 abc
4.	OA-262	5565 bcd
5.	BRB-303	5397 cde
6.	C-401	5375 de
7.	OA-261	5275 de
8.	OA-263	5239 ef
9.	STX-9M002	5224 ef
10.	C-101	5221 ef
11.	C-105	5141 efg
12.	C-104	5117 efg
13.	Maxxa	4922 fgh
14.	C-201	4842 gh
15.	PHX-A102	4841 gh
16.	PHX-A101	4648 h
Mean + SD		5267 ± 411
LSD (0.05)		322
CV		4

*Seed cotton (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 10
December 20, 2002

200400171

Table 2c. Lemoore Acala seed cotton for the SJV OFVT, 2002.

No.	Variety	Seed cotton (lbs/acre)*
1.	BRB-303	5531 a
2.	STX-9M002	5295 ab
3.	C-105	5120 bc
4.	OA-270	5108 bcd
5.	OA-265	4937 bcde
6.	C-401	4912 bcde
7.	C-104	4772 cdef
8.	C-101	4714 def
9.	OA-271	4699 ef
10.	C-201	4684 ef
11.	OA-263	4674 ef
12.	OA-262	4547 ef
13.	Maxxa	4484 f
14.	OA-261	4473 f
15.	PHX-A101	4408 f
16.	PHX-A102	4368 f
Mean + SD		4795 ± 495
LSD (0.05)		404
CV		6

*Seed cotton (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 11
December 20, 2002

200400171

Table 3c. Los Banos Acala seed cotton for the SJV OFVT, 2002.

No.	Variety	Seed cotton (lbs/acre)*
1.	OA-270	5973 a
2.	STX-9M002	5954 a
3.	OA-263	5890ab
4.	C-401	5865 ab
5.	OA-265	5830 abc
6.	C-101	5818 abc
7.	C-105	5814 abc
8.	C-104	5696 bcd
9.	BRB-303	5683 bcd
10.	C-201	5677 bcd
11.	OA-261	5611 cde
12.	Maxxa	5559 de
13.	OA-271	5449 ef
14.	OA-262	5425 efg
15.	PHX-A101	5245 fg
16.	PHX-A102	5211 g
Mean + SD		5669 ± 272
LSD (0.05)		221
CV		3

*Seed cotton (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 12

December 20, 2002

Table 5c. Mendota Acala seed cotton for the SJV OFVT, 2002.

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No.	Variety	Seed cotton (lbs/acre)*
1.	C-101	5371 a
2.	OA-271	5219 ab
3.	OA-265	5107 abc
4.	OA-270	5054 bcd
5.	BRB-303	5040 bcd
6.	C-401	5017 bcd
7.	OA-262	5013 bcd
8.	C-201	4974 bcde
9.	C-104	4866 cdef
10.	C-105	4817 def
11.	Maxxa	4694 efg
12.	OA-261	4671 fg
13.	OA-263	4642 fg
14.	STX-9M002	4422 gh
15.	PHX-A102	4420 gh
16.	PHX-A101	4225 h

Mean + SD	4847 ± 363
LSD (0.05)	287
CV	4

*Seed cotton (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 13

December 20, 2002

Table 6c. Tipton Acala seed cotton for the SJV OFVT, 2002.

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No.	Variety	Seed cotton (lbs/acre)*
1.	OA-265	4048 a
2.	OA-262	3918 ab
3.	OA-270	3883 abc
4.	OA-271	3842 abc
5.	C-101	3744 bcd
6.	C-105	3702 bcd
7.	C-201	3692 cde
8.	OA-263	3672 cde
9.	OA-261	3672 cde
10.	C-401	3667 cde
11.	STX-9M002	3602 def
12.	C-104	3599 def
13.	Maxxa	3472 ef
14.	BRB-303	3409 f
15.	PHX-A101	2961 g
16.	PHX-A102	2928 g
Mean + SD		3613 ± 621
LSD (0.05)		222
CV		5

*Seed cotton (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 14

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Table 7c. Waukena Acala seed cotton for the SJV OFVT, 2002.

No.	Variety	Seed cotton (lbs/acre)*
1.	OA-265	7576 a
2.	OA-270	7352 ab
3.	C-401	7016 bc
4.	C-101	6939 bcd
5.	OA-271	6909 bcd
6.	OA-262	6878 bcd
7.	C-201	6770 cde
8.	BRB-303	6654 cdef
9.	STX-9M002	6589 cdef
10.	C-105	6493 def
11.	OA-263	6466 def
12.	OA-261	6456 def
13.	PHX-A102	6375 ef
14.	C-104	6351 ef
15.	Maxxa	6309 ef
16.	PHX-A101	6246 f

Mean + SD	6711 ± 503
LSD (0.05)	502
CV	5

*Seed cotton (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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OA-265BR 18

Exhibit 15

20040017

Table 4. Acala Starlab strength (g/tex) combined across locations, 2002.

No.	Variety	Strength (g/tex)*	
1.	OA-270	36.2	a
2.	C-105	36.1	a
3.	OA-271	36.0	a
4.	OA-265	35.9	a
5.	OA-262	35.8	a
6.	OA-261	34.5	b
7.	C-201	34.1	bc
8.	STX-9M002	33.8	bc
9.	C-101	33.7	bc
10.	OA-263	33.7	bc
11.	C-401	33.6	bc
12.	PHX-A101	33.5	c
13.	Maxxa	33.3	cd
14.	BRB-303	32.6	de
15.	C-104	32.3	e
16.	PHX-A102	31.8	e

Mean + SD	34.2 ± 1.9
LSD (0.05)	0.9
CV	3.3

*Strength (g/tex) (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 16

200400171

Table 9. Acala Starlab strength stelo combined across locations, 2002.

No.	Variety	Strength stelo*	
1.	OA-262	26.3	a
2.	OA-271	26.2	a
3.	OA-265	25.1	b
4.	OA-270	25.0	b
5.	C-201	24.7	bc
6.	OA-261	24.6	bcd
7.	PHX-A101	24.2	bcde
8.	C-101	24.2	bcde
9.	PHX-A102	24.2	bcdef
10.	C-105	24.0	cdefg
11.	Maxxa	24.0	cdefg
12.	OA-263	23.8	defg
13.	STX-9M002	23.7	efg
14.	C-401	23.2	fgh
15.	C-104	23.1	gh
16.	BRB-303	22.5	h
Mean + SD		24.3 ± 1.8	
LSD (0.05)		1.0	
CV		4.9	

*Strength stelo (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 17

200400171

Table 16. Acala ITC combed 50 count yarn data combined across locations, 2001.

No.	Variety	Elongation* (%)	Neps (200%) (no/km)	Thick places (no/km)	Thin places (no/km)	CV (%)
1	C-191	5.45 ef	153.7 ef	79.6 ab	12 abc	14.33 a
2	C-192	5.32 fg	123.3 abc	68.8 a	9.9 a	14.27 a
3	DP-6100RR	6.01 b	105.8 ab	92.8 abc	23.1 f	15.08 bc
4	Maxxa	5.12 h	142.5 cde	121.1 de	22 f	15.18 cd
5	PHY-72	5.83 c	126.8 bc	75.5 a	10.8 abc	14.36 a
6	PHY-78	6.48 a	182.9 h	104.6 bcde	16 cde	14.77 abc
7	BRB-0008	5.37 efg	177.2 gh	95.8 abcd	15.6 abcde	14.89 bc
8	C-102	5.81 c	103.9 a	96.5 abcd	21.3 ef	15.05 bc
9	C-104	5.28 g	136.5 cde	108.8 cde	17.9 def	15.05 bc
10	C-105	5.12 h	129.4 cd	132.3 e	37 g	15.67 d
11	OA-261	5.44 ef	136.8 cde	70.3 a	11.1 abc	14.28 a
12	OA-262	5.5 e	151.2 de	68.5 a	10.2 ab	14.28 a
13	OA-263	5.14 h	176.5 fgh	88.3 abc	11.8 abc	14.62 ab
14	OA-265	5.32 fg	157.4 efg	108.8 cde	20.3 ef	14.93 bc
15	PHX-A002	5.77 cd	138.2 cde	86 abc	13.5 abcd	14.65 ab
16	PHX-A009	5.66 d	144.8 cde	89.6 abc	15.7 bcde	14.73 abc
Mean		5.54	142.9	93	16.8	14.76
StdDev		0.42	43.3	33.7	10	0.62
LSD		0.14	22.8	28.1	5.8	0.51
CV		1.99	12.3	23.4	26.7	2.68

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test P(≤0.05).

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Exhibit 18

20040071

Table 5. Acala Starlab elongation combined across locatiobns, 2002.

No.	Variety	Elongation*	
1.	OA-271	9.02	a
2.	OA-262	8.96	a
3.	STX-9M002	8.66	b
4.	PHX-A102	8.63	b
5.	OA-270	8.53	bc
6.	OA-265	8.51	bc
7.	PHX-A101	8.48	bc
8.	C-101	8.38	cd
9.	C-105	8.23	de
10.	BRB-303	8.21	de
11.	C-401	8.09	ef
12.	OA-263	8.08	ef
13.	OA-261	7.98	fg
14.	C-104	7.83	gh
15.	C-201	7.82	gh
16.	Maxxa	7.70	h

Mean + SD	8.32 $\pm$ 0.50
LSD (0.05)	0.19
CV	2.8

*Elongation (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 19

200400171

Table 8. Acala Starlab elongation stelo combined across locations, 2002.

No.	Variety	Elongation stelo*	
1.	PHX-A102	9.27	a
2.	OA-271	9.04	a
3.	OA-262	8.94	ab
4.	STX-9M002	8.56	b
5.	BRB-303	7.81	c
6.	PHX-A101	7.79	cd
7.	C-101	7.54	cde
8.	OA-270	7.48	cde
9.	OA-265	7.40	def
10.	C-401	7.15	efg
11.	C-104	7.06	fgh
12.	C-201	6.94	gh
13.	Maxxa	6.85	ghi
14.	C-105	6.83	ghi
15.	OA-263	6.73	hi
16.	OA-261	6.50	i

Mean + SD	7.62 ± 1.11
LSD (0.05)	0.42
CV	6.7

*Elongation stelo (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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OA-265BR 23

Exhibit 20

20040077

Table 13. Acala Starlab yarn strength carded 22 's combined across locations, 2002.

No.	Variety	Yarn strength carded 22's	
1.	OA-262	155.4	a
2.	OA-271	155.0	ab
3.	C-201	154.2	ab
4.	OA-270	153.6	ab
5.	OA-265	151.7	b
6.	Maxxa	147.2	c
7.	PHX-A101	146.8	c
8.	OA-261	146.4	c
9.	OA-263	145.8	c
10.	PHX-A102	144.1	cd
11.	C-105	144.1	cd
12.	C-401	143.8	cd
13.	C-104	142.2	de
14.	C-101	141.2	def
15.	STX-9M002	138.7	ef
16.	BRB-303	138.3	f
Mean + SD		146.8 ± 9.4	
LSD (0.05)		3.6	
CV		3.0	

*Yarn strength carded 22's (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 21

200400171

Acala ITC combed 50 count yarn data combined across locations, 2001.

Table 16. (Continued).

No.	Variety	Tenacity* (cN/tex)	Work (gF.cm)	Count strength product (lb.Ne)
1	C-191	20.8 a	336.5 b	3284 a
2	C-192	19.2 bc	311.8 def	2979 bc
3	DP-6100RR	17.2 g	324.5 bcd	2656 ef
4	Maxxa	18.7 de	288.6 h	2847 d
5	PHY-72	17.9 f	321.8 cd	2727 e
6	PHY-78	18.4 e	372.3 a	2862 d
7	BRB-0008	17.5 g	288.7 h	2616 f
8	C-102	16.5 h	299.3 fgh	2515 g
9	C-104	18.3 ef	294.4 gh	2820 d
10	C-105	17.2 g	269 i	2565 fg
11	OA-261	18.5 de	307.4 efg	2858 d
12	OA-262	19.4 b	324.6 bcd	3017 b
13	OA-263	18.9 cd	293.7 h	2898 cd
14	OA-265	19.3 bc	311.6 def	2959 bc
15	PHX-A002	18.6 de	329.8 bc	2906 cd
16	PHX-A009	18.5 e	319.5 cde	2858 d
Mean		18.4	312.1	2835
StdDev		1.1	30.1	211
LSD		0.4	13.2	91
CV		1.8	3.3	2

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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OA-265BR 25

Exhibit 22

20040017 1

Table 14. Acala Starlab yarn tenacity carded 22 's combined across locations, 2002.

No.	Variety	Yarn tenacity carded 22's	
1.	OA-262	160.0	a
2.	OA-271	159.6	ab
3.	C-201	158.7	ab
4.	OA-270	158.1	ab
5.	OA-265	156.2	b
6.	Maxxa	151.5	c
7.	PHX-A101	151.1	c
8.	OA-261	150.7	c
9.	OA-263	150.1	c
10.	PHX-A102	148.4	cd
11.	C-105	148.4	cd
12.	C-401	148.1	cd
13.	C-104	146.4	de
14.	C-101	145.4	def
15.	STX-9M002	142.8	ef
16.	BRB-303	142.3	f
Mean + SD		151.1 ± 9.7	
LSD (0.05)		3.7	
CV		3.0	

*Yarn tenacity carded 22's (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

Exhibit 23

20040017.1

Table 10. Acala Starlab tenacity combined across locations, 2002.

No.	Variety	Tenacity*	
1.	OA-262	25.8	a
2.	OA-271	25.7	a
3.	OA-265	24.6	b
4.	OA-270	24.6	b
5.	C-201	24.3	bc
6.	OA-261	24.1	bcd
7.	PHX-A101	23.8	bcd
8.	C-101	23.7	bcd
9.	PHX-A102	23.7	bcde
10.	C-105	23.5	cdef
11.	Maxxa	23.5	cdef
12.	OA-263	23.3	def
13.	STX-9M002	23.2	def
14.	C-401	22.8	efg
15.	C-104	22.6	fg
16.	BRB-303	22.0	g
Mean + SD		23.8 ± 1.8	
LSD (0.05)		1.0	
CV		4.9	

*Tenacity (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Exhibit 24

20040171

Acala ITC carded 36 count yarn data combined across locations, 2001

Table 15. (Continued).

No.	Variety	CV* (%)	Tenacity (cN/tex)	Work (gF.cm)	Count strength product (lb.Ne)
1	C-191	16.79 ab	20.5 a	467.8 b	3242 a
2	C-192	16.84 abc	18.6 b	427.9 ef	2958 bc
3	DP-6100RR	16.92 abcd	16.9 fg	450.6 bcd	2724 gh
4	Maxxa	17.19 def	18.6 b	416.7 fg	2898 cd
5	PHY-72	17.02 bcde	17.3 ef	446.3 cde	2741 fg
6	PHY-78	17.13 cdef	18.3 bcd	537.3 a	2916 c
7	BRB-0008	17.85 g	16.7 g	393.8 h	2602 i
8	C-102	17.05 bcde	16.8 g	453.5 bc	2657 hi
9	C-104	17.45 f	17.8 de	433.5 def	2802 ef
10	C-105	18.09 g	17.2 fg	388 h	2669 ghi
11	OA-261	17 bcd	18 cd	428.6 ef	2840 de
12	OA-262	16.78 ab	18.8 b	451.6 bcd	3014 b
13	OA-263	16.92 abcd	18.3 bcd	407.1 gh	2914 cd
14	OA-265	17.34 ef	18.5 bc	423.9 fg	2917 c
15	PHX-A002	16.65 a	18.3 bcd	466.6 b	2944 bc
16	PHX-A009	16.97 abcd	18.3 bcd	452.9 bc	2892 cd
Mean		17.12	18	440.4	2858
StdDev		0.46	1	41.7	174
LSD		0.34	0.5	19.2	76
CV		1.53	2.2	3.4	2

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Table 15. (Continued).

No.	Variety	CV* (%)	Tenacity (cN/tex)	Work (gF.cm)	Count strength product (lb.Ne)
1	C-191	16.79 ab	20.5 a	467.8 b	3242 a
2	C-192	16.84 abc	18.6 b	427.9 ef	2958 bc
3	DP-6100RR	16.92 abcd	16.9 fg	450.6 bcd	2724 gh
4	Maxxa	17.19 def	18.6 b	416.7 fg	2898 cd
5	PHY-72	17.02 bcde	17.3 ef	446.3 cde	2741 fg
6	PHY-78	17.13 cdef	18.3 bcd	537.3 a	2916 c
7	BRB-0008	17.85 g	16.7 g	393.8 h	2602 i
8	C-102	17.05 bcde	16.8 g	453.5 bc	2657 hi
9	C-104	17.45 f	17.8 de	433.5 def	2802 ef
10	C-105	18.09 g	17.2 fg	388 h	2669 ghi
11	OA-261	17 bcd	18 cd	428.6 ef	2840 de
12	OA-262	16.78 ab	18.8 b	451.6 bcd	3014 b
13	OA-263	16.92 abcd	18.3 bcd	407.1 gh	2914 cd
14	OA-265	17.34 ef	18.5 bc	423.9 fg	2917 c
15	PHX-A002	16.65 a	18.3 bcd	466.6 b	2944 bc
16	PHX-A009	16.97 abcd	18.3 bcd	452.9 bc	2892 cd
Mean		17.12	18	440.4	2858
StdDev		0.46	1	41.7	174
LSD		0.34	0.5	19.2	76
CV		1.53	2.2	3.4	2

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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20040171

Table 17. Acala ITC sticky deposits, neps and seed coat fragment data combined across locations, 2001.

No.	Variety	Total sticky* deposits (no./222cm2)	Fiber nep number (no/gram)	Fiber seed coat nep number (no/gram)	Yarn seed coat fragments (no)
1	C-191	32.9 de	259 d	24.1 bcd	68 def
2	C-192	29.2 cd	257.4 d	29.9 ghi	65.9 cde
3	DP-6100RR	21 a	217.1 b	19.5 a	52.7 a
4	Maxxa	32.7 de	223.1 b	24.7 bcde	62.2 bcd
5	PHY-72	23.8 ab	266.5 de	28.1 efgh	74.6 fg
6	PHY-78	32.1 de	312.1 g	31.8 i	84.2 hi
7	BRB-0008	29 cd	294.1 fg	21.5 ab	59.8 bc
8	C-102	31.5 cde	236.6 bc	24.9 bcde	57.3 ab
9	C-104	32.2 de	233 bc	22.8 abc	59.6 abc
10	C-105	35.1 e	190 a	30.7 hi	60.1 bc
11	OA-261	23.8 ab	280.4 ef	26.2 cdef	86.6 i
12	OA-262	35 e	261.1 de	29.6 fghi	78.9 gh
13	OA-263	29.3 cd	263 de	29.6 fghi	84.9 hi
14	OA-265	27.1 bc	249.1 cd	26.5 defg	72.4 efg
15	PHX-A002	27.2 bc	220.4 b	24.3 bcd	67.8 def
16	PHX-A009	34.1 e	218.2 b	27 defg	71.8 ef
Mean		29.7	248.8	26.3	69.2
StdDev		24.2	56.6	6.4	11.8
LSD		4.6	20.6	3.5	7
CV		20.5	10.6	17.5	7.8

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Table 23. Acala Starlab HVI fiber data combined across locations, 2001.

No.	Variety	Length* (inches)	Micronaire	Strength (g/tex)	Uniformity index (%)	Yellowness
1	C-191	1.208 b	4.08 f	34.7 ab	84.6 a	8.45 abc
2	C-192	1.179 def	4.22 cde	33.5 cd	83.9 bc	8.61 abcd
3	DP-6100RR	1.165 ghi	4.15 def	34.8 a	84.1 b	8.72 cd
4	Maxxa	1.166 fghi	4.18 cdef	33.8 cd	83.8 bcd	8.74 cde
5	PHY-72	1.188 cd	4.35 b	33.1 cdef	83.3 ef	9.03 e
6	PHY-78	1.142 j	3.88 g	32.5 efg	82.8 g	8.85 de
7	BRB-0008	1.222 a	4.18 cdef	32.2 g	83.3 ef	8.49 abc
8	C-102	1.132 j	4.15 def	32.3 fg	82.8 g	8.6 abcd
9	C-104	1.162 hi	4.16 def	33 defg	83.3 ef	8.54 abc
10	C-105	1.136 j	4.73 a	35.1 a	83.5 def	8.84 de
11	OA-261	1.195 bc	4.24 cd	33.1 cdef	83.3 ef	8.69 bcd
12	OA-262	1.178 defg	4.12 ef	33.8 cd	83.4 def	8.62 abcd
13	OA-263	1.18 de	4.25 bcd	33.9 bc	83.3 ef	8.54 abc
14	OA-265	1.174 efgh	4.12 ef	33.4 cd	83.2 fg	8.42 ab
15	PHX-A002	1.16 i	4.28 bc	33.4 cde	83.6 cde	8.63 abcd
16	PHX-A009	1.172 efghi	4.36 b	33.8 c	83.7 cde	8.38 a
Mean		1.172	4.22	33.5	83.5	8.63
StdDev		0.035	0.41	1.6	1	0.5
LSD		0.013	0.12	0.9	0.4	0.3
CV		1.477	3.5	3.3	0.6	4.4

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Table 2. Acala Woodson Tenent % moisture combined across locations, 2002.

No.	Variety	% moisture*	
1.	OA-271	6.37	a
2.	OA-261	6.37	a
3.	C-401	6.38	ab
4.	OA-263	6.38	ab
5.	OA-270	6.45	abc
6.	C-101	6.47	abcd
7.	OA-265	6.48	abcd
8.	STX-9M002	6.52	bcde
9.	OA-262	6.57	cde
10.	C-105	6.57	cde
11.	PHX-A101	6.60	def
12.	BRB-303	6.63	ef
13.	C-104	6.63	ef
14.	Maxxa	6.65	efg
15.	C-201	6.72	fg
16.	PHX-A102	6.78	g

Mean	6.54
SD	0.21
LSD (0.05)	0.14
CV	2

*% moisture (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Table 5. Acala Woodson Tenent % free gossypol combined across locations, 2002.

No.	Variety	% free gossypol*	
1.	OA-265	0.540	a
2.	OA-261	0.557	ab
3.	OA-262	0.582	abc
4.	OA-263	0.588	abc
5.	OA-270	0.598	abc
6.	C-101	0.612	abcd
7.	OA-271	0.632	bcde
8.	STX-9M002	0.637	bcde
9.	PHX-A101	0.648	cde
10.	Maxxa	0.690	def
11.	C-401	0.698	efg
12.	PHX-A102	0.740	fgh
13.	C-201	0.757	fgh
14.	C-104	0.772	gh
15.	C-105	0.797	h
16.	BRB-303	1.010	i
Mean		0.679	
SD		0.146	
LSD (0.05)		0.080	
CV		10	

*% free gossypol (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Table 6. Acala Woodson Tenent % linters combined across locations, 2002.

No.	Variety	% linters*	
1.	C-201	7.21	a
2.	OA-271	7.27	a
3.	OA-265	7.27	a
4.	OA-261	7.33	a
5.	C-401	7.54	a
6.	STX-9M002	7.57	ab
7.	OA-262	7.62	ab
8.	OA-270	7.66	abc
9.	OA-263	7.69	abc
10.	PHX-A102	7.84	abc
11.	C-104	7.85	abc
12.	PHX-A101	8.22	bcd
13.	Maxxa	8.33	cde
14.	BRB-303	8.63	def
15.	C-105	8.91	ef
16.	C-101	9.02	f
Mean		7.87	
SD		0.83	
LSD (0.05)		0.67	
CV		7	

*% linters (within column) followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$)

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Table 13. Acala ITC AFIS fiber data combined across locations, 2001.

No.	Variety	Fineness* (m/tex)	Standard fineness (m/tex)	Maturity ratio	Short fiber weight (%)	Upper quartile length (inches)
1	C-191	161.1 ab	176.1 a	0.915 bcd	6.82 abcd	1.29 a
2	C-192	164.8 cde	180.4 c	0.914 cde	7.52 efg	1.252 c
3	DP-6100RR	174.8 h	191.7 j	0.912 cde	6.42 a	1.242 cde
4	Maxxa	166.9 ef	183 efg	0.912 cde	7.25 def	1.242 cde
5	PHY-72	166.8 ef	182.5 de	0.914 cde	8 gh	1.252 c
6	PHY-78	160.4 a	181 cd	0.885 h	8.64 i	1.207 f
7	BRB-0008	167.2 f	185.9 i	0.898 fg	8.61 i	1.298 a
8	C-102	165.3 cdef	184.6 hi	0.895 gh	8.2 hi	1.181 g
9	C-104	165.3 cdef	182.9 ef	0.904 efg	7.7 fgh	1.225 ef
10	C-105	181.7 i	193.9 k	0.937 a	6.71 abc	1.21 f
11	OA-261	163.6 cd	178.2 b	0.918 bcd	7.32 def	1.271 b
12	OA-262	163.1 bc	179.6 bc	0.908 def	7.18 cde	1.252 c
13	OA-263	165.3 cdef	179.6 bc	0.92 bc	7.14 cde	1.237 cde
14	OA-265	165.4 def	180.9 c	0.914 cde	7.17 cde	1.245 cd
15	PHX-A002	169.8 g	184.4 gh	0.921 bc	6.96 bcd	1.233 de
16	PHX-A009	170.2 g	184.1 fgh	0.925 b	6.62 ab	1.245 cd
Mean		167	183	0.912	7.39	1.243
StdDev		8.5	5.5	0.027	1.31	0.045
LSD		2.3	1.5	0.01	0.52	0.018
CV		1.8	1.1	1.421	9.03	1.852

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Table 14. Acala ITC HVI and AFIS fiber data combined across locations, 2001.

No.	Variety	Elongation* (%)	Length (inches)	Micronaire	Strength (g/tex)	Uniformity index (%)
1	C-191	4.47 hi	1.216 b	3.89 g	34.5 a	83.9 a
2	C-192	4.78 fg	1.179 de	4.07 cde	33.7 bcd	83.1 bcdef
3	DP-6100RR	6.12 b	1.172 defg	4.12 cd	33.1 def	83.5 ab
4	Maxxa	4.44 i	1.166 fg	4.06 cde	33.7 bc	83.1 bcde
5	PHY-72	5.86 b	1.196 c	4.15 c	33.5 bcde	82.5 efg
6	PHY-78	6.83 a	1.161 g	3.78 h	32.3 gh	82.7 defg
7	BRB-0008	5.14 cde	1.229 a	4.01 ef	32.2 h	82.4 g
8	C-102	5.92 b	1.134 h	4.06 cde	31.6 i	82.8 cdefg
9	C-104	4.76 fgh	1.165 fg	4.02 def	32.8 fg	83.1 bcdef
10	C-105	4.7 fghi	1.144 h	4.59 a	34.7 a	83.8 a
11	OA-261	5.12 de	1.204 bc	4.12 cd	33.1 ef	82.5 fg
12	OA-262	4.95 ef	1.182 d	3.94 fg	33.8 b	83.2 bcd
13	OA-263	4.76 fgh	1.173 defg	4.14 c	33.8 b	82.4 g
14	OA-265	4.5 ghi	1.168 efg	4.01 ef	33.2 cdef	82.4 g
15	PHX-A002	5.44 c	1.173 defg	4.15 c	33.5 bcde	83.4 abc
16	PHX-A009	5.35 cd	1.177 def	4.25 b	33.4 bcde	83.4 abc
Mean		5.2	1.177	4.08	33.3	83
StdDev		0.86	0.034	0.41	1.2	1.4
LSD		0.3	0.013	0.1	0.5	0.6
CV		7.51	1.382	3.08	2.1	1

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Acala ITC combed 50 count yarn data combined across locations, 200

Table 16. (Continued).

No.	Variety	Tenacity* (cN/tex)	Work (gF.cm)	Count strength product (lb.Ne)
1	C-191	20.8 a	336.5 b	3284 a
2	C-192	19.2 bc	311.8 def	2979 bc
3	DP-6100RR	17.2 g	324.5 bcd	2656 ef
4	Maxxa	18.7 de	288.6 h	2847 d
5	PHY-72	17.9 f	321.8 cd	2727 e
6	PHY-78	18.4 e	372.3 a	2862 d
7	BRB-0008	17.5 g	288.7 h	2616 f
8	C-102	16.5 h	299.3 fgh	2515 g
9	C-104	18.3 ef	294.4 gh	2820 d
10	C-105	17.2 g	269 i	2565 fg
11	OA-261	18.5 de	307.4 efg	2858 d
12	OA-262	19.4 b	324.6 bcd	3017 b
13	OA-263	18.9 cd	293.7 h	2898 cd
14	OA-265	19.3 bc	311.6 def	2959 bc
15	PHX-A002	18.6 de	329.8 bc	2906 cd
16	PHX-A009	18.5 e	319.5 cde	2858 d
Mean		18.4	312.1	2835
StdDev		1.1	30.1	211
LSD		0.4	13.2	91
CV		1.8	3.3	2

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Table 18. Acala late season plant mapping data combined across locations, 2001.

No.	Variety	Plant* height (inches)	Height to node ratio	Total node count (no)	First position bolls (no)	Second position bolls (no)	Total boll count (no)
1	C-191	38.5 cd	1.755 def	21.9 bcd	7.6 abc	2.48 cdefg	11.4 abcde
2	C-192	34.9 g	1.583 a	21.9 bcd	6.76 cd	1.56 g	9.16 f
3	DP-6100RR	43.4 a	1.755 def	24.6 a	7.28 abcd	1.72 fg	9.92 def
4	Maxxa	35.8 fg	1.615 ab	22.3 bcd	6.88 bcd	2.92 abcde	11.04 bcde
5	PHY-72	38.4 cd	1.7 bcde	22.7 bc	6.8 cd	2.72 abcde	11 bcde
6	PHY-78	38.3 cde	1.741 cdef	22 bcd	7.32 abcd	2.16 defg	10.52 cdef
7	BRB-0008	40.8 b	1.91 g	21.4 d	7.04 abcd	3.12 abcd	11.28 bcde
8	C-102	36.8 def	1.695 bcd	21.7 cd	6.64 d	2.24 defg	9.8 ef
9	C-104	38.4 cd	1.733 cdef	22.1 bcd	7.36 abcd	3.44 abc	12.36 ab
10	C-105	37.5 def	1.663 abc	22.4 bc	7.4 abcd	3.52 ab	13.12 a
11	OA-261	39.4 bc	1.73 cdef	22.8 b	7.76 a	2.48 cdefg	11.64 abcd
12	OA-262	38.6 cd	1.745 cdef	22.1 bcd	7.6 abc	2 efg	10.04 def
13	OA-263	40 bc	1.783 ef	22.6 bc	7.28 abcd	2.28 defg	10.64 bcdef
14	OA-265	39.8 bc	1.817 f	21.8 bcd	6.68 d	3.6 a	12.16 abc
15	PHX-A002	36 fg	1.641 ab	21.9 bcd	7.2 abcd	2.8 abcde	11.64 abcd
16	PHX-A009	36.5 efg	1.601 a	22.8 b	7.68 ab	2.6 bcdef	11.12 bcde
Mean		38.3	1.717	22.3	7.2	2.6	11.05
StdDev		7.8	0.292	2.5	1.88	1.91	3.79
LSD		1.8	0.087	1	0.87	0.96	1.83
CV		8.6	9.111	8.4	21.76	66.57	29.74

*Parameters within column followed by the same letter are not significantly different using the F-protected LSD test ($P \leq 0.05$).

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Acala Starlab fiber and yarn traits combined across locations, 2002.

No.	Variety	Length	Uniformity Index	Uniformiaty ratio	Strength (g/tex)	Elongation	Micronaire (HVI)	Micronaire fibro	Elongation stelo	Str s
1.	BRB-303	1.244	83.4	45.1	32.6	8.21	3.79	3.76	7.81	2
2.	C-101	1.198	83.3	47.8	33.7	8.38	3.86	3.82	7.54	2
3.	C-104	1.174	83.3	46.7	32.3	7.83	3.81	3.77	7.06	2
4.	C-105	1.150	83.8	48.0	36.1	8.23	4.40	4.33	6.83	2
5.	C-201	1.257	84.4	46.2	34.1	7.82	3.58	3.50	6.94	2
6.	C-401	1.145	83.0	48.3	33.6	8.09	4.01	3.98	7.15	2
7.	Maxxa	1.188	83.8	48.2	33.3	7.70	3.95	3.83	6.85	2
8.	OA-261	1.159	83.4	48.9	34.5	7.98	4.32	4.27	6.50	2
9.	OA-262	1.186	84.7	48.9	35.8	8.96	3.84	3.76	8.94	2
10.	OA-263	1.156	83.3	48.1	33.7	8.08	4.18	4.11	6.73	2
11.	OA-265	1.193	83.9	48.0	35.9	8.51	3.88	3.80	7.40	2
12.	OA-270	1.206	84.3	48.5	36.2	8.53	3.88	3.87	7.48	2
13.	OA-271	1.178	84.8	49.8	36.0	9.02	3.88	3.80	9.04	2
14.	PHX-A101	1.162	84.1	47.8	33.5	8.48	4.07	4.00	7.79	2
15.	PHX-A102	1.183	83.8	48.8	31.8	8.63	3.98	3.92	9.27	2
16.	STX-9M00	1.138	83.1	47.8	33.8	8.66	3.98	3.93	8.56	2
Mean		1.182	83.8	47.9	34.2	8.32	3.96	3.90	7.62	2
SD		.053	1.2	1.8	1.9	0.50	.30	0.31	1.11	1
LSD (0.05)		0.147	0.6	0.8	0.9	0.19	.12	0.13	0.42	1
CV		1.5	0.8	2.2	3.3	2.8	3.7	4.1	6.7	4

Exhibit 31

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

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

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
O & A Enterprises, Inc.	OA-265	OA-265BR
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)*
P.O. Box 1440 Maricopa, AZ 85239	(520) 381-2219	(520) 568-2556
	7. PVPO NUMBER 200400171	

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

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

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

a. If the 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 the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?
☐ YES ☐ NO **If no, give name of country**

11. Additional explanation on ownership *(Trace ownership from original breeder to current owner. Use the reverse for extra space if needed)*:

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet 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 the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

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 information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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