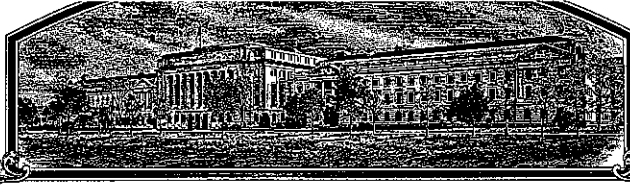


No.

200400180



# THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**

*Syngenta Seeds, 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 PLANT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED WHICH SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Coker 9375'



*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 fourteenth day of June, in the year two thousand and four.*

Attest:

*R. M. Johnson*

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

*Freeman*

Secretary of Agriculture

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

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).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

1. NAME OF OWNER <b>Syngenta Seeds, Inc.</b>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME <b>B960457</b>	3. VARIETY NAME <b>COKER 9375</b>
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) <b>P.O. Box 959 Minneapolis, MN 55440 Attn: John Thorne</b>		5. TELEPHONE (include area code) <b>763-593-7333</b>	FOR OFFICIAL USE ONLY PVPO NUMBER <b>200400180</b> FILING DATE <b>April 15, 2004</b>
		6. FAX (include area code) <b>763-542-0194</b>	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) <b>Corporation</b>	8. IF INCORPORATED, GIVE STATE OF INCORPORATION <b>Delaware</b>	9. DATE OF INCORPORATION <b>1976</b>	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) <b>John Thorne Syngenta Seeds, Inc. P.O. Box 949 Washington, IA 52353-0949</b>		FILING AND EXAMINATION FEES: <b>\$ 3652.00</b> DATE <b>4/15/2004</b> CERTIFICATION FEE: <b>\$ 432</b> DATE <b>5/3/04</b>	

11. TELEPHONE (include area code) <b>319-653-2181</b>	12. FAX (include area code) <b>319-653-4609</b>	13. E-MAIL <b>johnc.thorne@syngenta.com</b>	
14. CROP KIND (Common Name) <b>Common Wheat</b>	16. FAMILY NAME (Botanical) <b>Poaceae</b>	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP <b>Triticum aestivum</b>	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	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) <input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (If "no", go to item 23)	
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED <i>Per Request Mar 5/4/04</i>	
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> 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. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> 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? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <b>Fall 2003, U.S.A. Registered Seed Sales</b> 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)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> 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
NAME (Please print or type) <b>John Thorne</b>	NAME (Please print or type)
CAPACITY OR TITLE <b>Devel. Dir., Self-pollinated Crops</b>	DATE <b>26 Mar 2004</b>

(See reverse for instructions and information collection burden statement)

**Coker 9375****Exhibit A: Origin and Breeding History**

COKER 9375 is a soft red winter wheat line developed by Syngenta Seeds, Inc. from a cross made in 1988. The pedigree is 9227//Blueboy II /AL850050. 9227 is a variety released by Syngenta Seeds, Inc. in 1985. Blueboy II is a variety released by North Carolina in 1971. AL850050 is an unreleased line developed by Syngenta Seeds, Inc. The pedigree is COKER 68-15/Bezostaya-1. COKER 68-15 is a variety released by Syngenta Seeds, Inc. in 1972. Bezostaya-1 is a variety from Krasnodar, Russia Federation in 1959, CLtr # 15158. The pedigree is Lutescens 17/Skorospelka 2. A modified bulk breeding system was used to develop COKER 9375. An F7 derived head row was selected, with yield testing initiated in the 1996-97 season at the F9 generation. The line was designated B960457. Advanced and elite yield testing along with seed increase has been conducted since this time. Advancement has been based on agronomic characteristics and disease resistance in early generation. In later generations, yield along with agronomic and disease characteristics was used as a basis for continued testing. See Table 1 for development procedure.

Table 1: Development of COKER 9375

Season	Generation	Activity
1988		Cross
1988-1989	F1	Bulk seed grown in the greenhouse.
1989-1990	F2	Bulk population grown in the field.
1990-1991	F3	Bulk population grown in the field, advancement based on leaf rust resistance and agronomic traits.
1991-1992	F4	Bulk population grown in the field, selected 100 heads, advancement based on leaf rust resistance and agronomic traits.
1992-1993	F5	Head row nursery, selection based on maturity, leaf rust resistance and other agronomic traits.
1993-1994	F6	Observation nursery plot #4075, reselection of individual heads for head rows; based on height, maturity and disease resistance.
1994-1995	F7	Head row nursery, selection based on uniformity, maturity, leaf rust resistance and other agronomic traits.
1995-1996	F8	Observation nursery plot #3322, selection based on uniformity, height, maturity and disease resistance.
1996-1997	F9	Preliminary yield testing, assigned line number B960457. Advancement based on yield, height and disease resistance.
1997-1998	F10	Yield testing in advanced company trials, small increase at Bay, Arkansas. Advancement based on yield, agronomic traits and leaf rust resistance.
1998-1999	F11	Yield testing in elite company trials, small increase with nested head rows for purity; advancement based on yield, leaf rust resistance and maturity.
1999-2000	F12	Yield testing in elite company trials, small increase with nested plots for purity; advancement based on yield, maturity and disease resistance.
2000-2001	F13	Yield testing in elite company trials, large pre-breeder increase and tested in Uniform Eastern Soft Red Winter Wheat Nursery and the Uniform Southern Soft Red Winter Wheat Nursery. Advancement based on yield, agronomic traits and disease resistance.

**COKER 9375****Exhibit A: Origin and Breeding History of the Variety (cont.)**

2001-2002	F14	Continued testing in company trials and limited state trial testing with Breeder/Foundation seed increase. Advancement based on yield, agronomic data and disease resistance.
2002-2003	F15	Variety released as COKER 9375 and Registered seed sold to TGN Certified Seed Growers in the Fall 2003.

COKER 9375 is an F7 derived head row with yield testing initiated as an F9 in 1996-1997. The variety has been tested and observed for 6 years with 5 years of seed increase. COKER 9375 is stable and uniform. Breeder seed was developed by bulking seed from head row generated increase strips that had been maintained separately for three (F11, F12, and F13) generations of increase for purity, uniformity and stability comparisons. Variants may include one or more of the following in any combination; taller, awned, bronze or later type, which may be expressed up to 1%.

**COKER 9375****Exhibit B: Statement of Distinctness**

COKER 9375 most closely resembles 9227, however COKER 9375 has white coleoptiles where 9227 has purple colored coleoptiles as described in the PVP # 8600009. 9227 is also described as being 90 cm tall where COKER 9375 is 4 cm taller at 94 cm. COKER 9375 is apically awnletted and 9227 is awnletted. The head length of COKER 9375 is mid-long which is shorter than 9227, which is long. COKER 9375 ranges from 7.6 cm – 9.6 cm and averages 8.7 cm, 9227 ranges from 9.3 cm – 11.5 cm and averages 10 cm long.

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

Form Approved - OMB No. 0581-0055

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 2.5 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, sex, religion, age, disability, political beliefs, sexual orientation, or 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 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.

U.S. DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE  
 SCIENCE AND TECHNOLOGY  
 PLANT VARIETY PROTECTION OFFICE  
 BELTSVILLE, MD 20705

EXHIBIT C  
 (Wheat)

OBJECTIVE DESCRIPTION OF VARIETY  
 WHEAT (*Triticum* spp.)

NAME OF APPLICANT(S) Syngenta Seeds, Inc.  ADDRESS (Street and No. or RD No., City, State, and Zip Code)  P.O. Box 959 Minneapolis, MN 55440 Attn: John Thorne	FOR OFFICIAL USE ONLY
	PVPO NUMBER 200400180
	VARIETY NAME COKER 9375
	TEMPORARY OR EXPERIMENTAL DESIGNATION B960457

PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.  or ) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: Munsell Color Chart

Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1=Common  
 2=Durum  
 3=Club  
 4=Other (SPECIFY): \_\_\_\_\_

2. VERNALIZATION:

1=Spring  
 2=Winter  
 3=Other (SPECIFY): \_\_\_\_\_

3. COLEOPTILE ANTHOCYANIN:

1 = Absent      2 = Present

4. JUVENILE PLANT GROWTH:

1 = Prostrate 2 = Semi-erect 3 = Erect

5. PLANT COLOR (boot stage):

1 = Yellow-Green  
 2 = Green  
 3 = Blue-Green  
 Munsell Color Chart 5GY 4/4 - 4/6

6. FLAG LEAF (boot stage):

1 = Erect  
 2 = Recurved  
  
 1 = Not Twisted  
 2 = Twisted  
  
 1 = Wax Absent  
 2 = Wax Present

7. EAR EMERGENCE:

Number of Days (Average)  
 Number of Days Earlier Than \_\_\_\_\_ \*  
 Same as \_\_\_\_\_ \*  
 Number of Days Later Than Patton \_\_\_\_\_ \*

\* Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

5

## 8. ANTHER COLOR:

1 = Yellow  
 2 = Purple

## 9. PLANT HEIGHT (from soil to top of head, excluding awns):

0  9  4 cm (Average)

cm Taller Than \_\_\_\_\_ \*

Same as COKER 9663 \*

cm Shorter Than \_\_\_\_\_ \*

## 10. STEM:

## A. ANTHOCYANIN

1 = Absent  
 2 = Present

## B. WAXY BLOOM

2 = Absent  
 2 = Present

## C. HAIRINESS

(last internode of rachis)

2 = Absent  
 2 = Present

## D. INTERNODE

1 = Hollow    2 = Semi-solid    3 = Solid

4 = Number of Nodes

## E. PEDUNCLE

1 = Erect    2 = Recurved    3 = Semi-erect

2  9 cm Length

## F. AURICLE

1 = Anthocyanin    1 = Absent    2 = Present

2 = Hair    1 = Absent    2 = Present

## 11. HEAD (at Maturity):

## A. DENSITY

2 = Lax  
 2 = Middense (Laxidense)  
 3 = Dense

## B. SHAPE

1 = Tapering  
 2 = Strap  
 3 = Clavate  
 4 = Other (SPECIFY): \_\_\_\_\_

## C. CURVATURE

3 = Erect  
 2 = Inclined  
 3 = Recurved

## D. AWNEDNESS

2 = Awnless  
 2 = Apically Awnletted  
 3 = Awnletted  
 4 = Awned

## 12. GLUMES (at Maturity):

## A. COLOR

- 2 1 = White  
2 = Tan  
3 = Other (SPECIFY): \_\_\_\_\_  
MCC 2.5 Y 7/4

## B. SHOULDER

- 1 1 = Wanting 2 = Oblique  
3 = Rounded 4 = Square  
5 = Elevated 6 = Apiculate  
7 = Other (SPECIFY): \_\_\_\_\_

## C. SHOULDER WIDTH

- 1 1 = Narrow  
2 = Medium  
3 = Wide

## D. BEAK

- 3 1 = Obtuse  
2 = Acute  
3 = Acuminate

## E. BEAK WIDTH

- 2 1 = Narrow  
2 = Medium  
3 = Wide

## F. GLUME LENGTH

- 3 1 = Short (ca. 7mm)  
2 = Medium (ca. 8mm)  
3 = Long (ca. 9mm)

## G. WIDTH

- 2 1 = Narrow (ca. 3mm)  
2 = Medium (ca. 3.5mm)  
3 = Wide (ca. 4mm)

## 13. SEED

## A. SHAPE

- 1 1 = Ovate  
2 = Oval  
3 = Elliptical

## B. CHEEK

- 1 1 = Rounded  
2 = Angular

## C. BRUSH

- 1 1 = Short 2 = Medium 3 = Long  
 1 1 = Not Collared 2 = Collared

## D. CREASE

- 2 1 = Width 60% or less of Kernel  
2 = Width 80% or less of Kernel  
3 = Width Nearly as Wide as Kernel

- 2 1 = Depth 20% or less of Kernel  
2 = Depth 35% or less of Kernel  
3 = Depth 50% or less of Kernel

## E. COLOR

- 3 1 = White  
2 = Amber  
3 = Red  
4 = Other (SPECIFY): \_\_\_\_\_  
MCC 7.5 YR 7/6

## F. TEXTURE

- 2 1 = Hard  
2 = Soft  
3 = Other (SPECIFY): \_\_\_\_\_

## G. PHENOL REACTION (see instructions):

- 4 1 = Ivory 2 = Fawn 3 = Light Brown  
4 = Dark Brown  
5 = Black

## H. SEED WEIGHT

- 3  5 g/1000 seed (Whole number only)

## I. GERM SIZE

- 2 1 = Small  
2 = Midsize  
3 = Large



14. Disease : (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> 3 Stem Rust ( <i>Puccinia graminis</i> f. sp. <i>tritici</i> )<br>TTRS, RTQQ, QTHJ, RTHJ, TPMK | <input checked="" type="checkbox"/> 2 Leaf Rust ( <i>Puccinia recondita</i> f. sp. <i>tritici</i> )<br>Field races in Midsouth and East coast areas<br>and KBBG, BBBB, CBMT, LBBT, MCJJ, KFBJ,<br>Loose Smut ( <i>Ustilago tritici</i> ) TLGK and TNRJ. |
| <input checked="" type="checkbox"/> 3 Stripe Rust ( <i>Puccinia striiformis</i> )<br>Field races Midsouth 2002 & 2003.             | <input type="checkbox"/> 0  |
| <input type="checkbox"/> 0 Tan Spot ( <i>Pyrenophora tritici-repentis</i> )  | <input type="checkbox"/> 0 Flag Smut ( <i>Urocystis agropyri</i> )  |
| <input type="checkbox"/> 0 Halo Spot ( <i>Selenophoma donacis</i> )  | <input type="checkbox"/> 0 Common Bunt ( <i>Tilletia tritici</i> or <i>T. laevis</i> )  |
| <input type="checkbox"/> 0 <i>Septoria nodorum</i> (Glume Blotch)  | <input type="checkbox"/> 0 Dwarf Bunt ( <i>Tilletia controversa</i> )   |
| <input type="checkbox"/> 0 <i>Septoria avenae</i> (Speckled Leaf Disease)  | <input type="checkbox"/> 0 Karnal Bunt ( <i>Tilletia indica</i> )   |
| <input checked="" type="checkbox"/> 3 <i>Septoria tritici</i> (Speckled Leaf Blotch)<br>Field Races                                | <input checked="" type="checkbox"/> 3 Powdery Mildew ( <i>Erysiphe graminis</i> f. sp. <i>tritici</i> )<br>Field races 2002 and 2003 in East coast area.  |
| <input type="checkbox"/> 0 Scab ( <i>Fusarium</i> spp.)  | <input type="checkbox"/> 0 "Snow Molds"   |
| <input type="checkbox"/> 0 "Black Point" (Kernel Smudge)   | <input type="checkbox"/> 0 Common Root Rot ( <i>Fusarium</i> , <i>Cochliobolus</i> and<br><i>Bipolaris</i> spp.)  |
| <input type="checkbox"/> 0 Barley Yellow Dwarf Virus (BYDV)  | <input type="checkbox"/> 0 Rhizoctonia Root Rot ( <i>Rhizoctonia solani</i> )   |
| <input checked="" type="checkbox"/> 3 Soilborne Mosaic Virus (SBMV)<br>Field races Missouri and Tennessee                          | <input type="checkbox"/> 0 Black Chaff ( <i>Xanthomonas campestris</i> pv. <i>translucens</i> )   |
| <input checked="" type="checkbox"/> 3 Wheat Yellow (Spindle Streak) Mosaic Virus<br>Field Arkansas                                 | <input type="checkbox"/> 0 Bacterial Leaf Blight ( <i>Pseudomonas syringae</i> pv.<br><i>syringae</i> )   |
| <input type="checkbox"/> 0 Wheat Streak Mosaic Virus (WSMV)  | <input type="checkbox"/> Other (SPECIFY) _____  |
| <input type="checkbox"/> Other (SPECIFY) _____   | <input type="checkbox"/> Other (SPECIFY) _____  |
| <input type="checkbox"/> Other (SPECIFY) _____   | <input type="checkbox"/> Other (SPECIFY) _____  |
| <input type="checkbox"/> Other (SPECIFY) _____   | <input type="checkbox"/> Other (SPECIFY) _____  |

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> 2 Hessian Fly ( <i>Mayetiola destructor</i> )<br>Biotypes E, O and C | <input type="checkbox"/> Other (SPECIFY) _____ |
| <input type="checkbox"/> 0 Stem Sawfly ( <i>Cephus</i> spp.)   | <input type="checkbox"/> Other (SPECIFY) _____ |
| <input type="checkbox"/> 0 Cereal Leaf Beetle ( <i>Oulema melanopa</i> )                                 | <input type="checkbox"/> Other (SPECIFY) _____ |
| <input type="checkbox"/> 0 Russian Aphid ( <i>Diuraphis noxia</i> )                                      | <input type="checkbox"/> Other (SPECIFY) _____ |

15. INSECT: *Continued* (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

0 Greenbug (*Schizaphis graminum*)  Other (SPECIFY) \_\_\_\_\_

0 Aphids  Other (SPECIFY) \_\_\_\_\_

---

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS

---

**Exhibit D: Additional Description of COKER 9375****Table 2: Yield Data Bu/Ac**

	ALL LOCS		NORTH		CORNBELT		MIDSOUTH		SOUTH		EAST	
	1 YR	2 YR	1 YR	2 YR	1 YR	2 YR	1 YR	2 YR	1 YR	2 YR	1 YR	2 YR
<b>COKER 9375</b>	<b>68</b>	<b>63</b>	<b>68</b>	<b>64</b>	<b>77</b>	<b>67</b>	<b>68</b>	<b>62</b>	<b>78</b>	<b>65</b>	<b>60</b>	<b>62</b>
COKER 9803	61	58	62	61	67	62	53	53	65	53	62	59
COKER 9663	68	60	71	64	80	68	61	55	66	55	62	58
COKER 9152	70	63	71	64	83	71	68	61	80	64	61	57
COKER 9184	56	56	54	57	54	53	56	52	67	56	60	63
26R61	61	58	55	54	62	52	65	60	86	70	56	62
AGS 2000	66	61	66	61	73	61	65	60	71	62	61	62
PATTON	61	59	64	65	73	65	51	48	59	52	59	64
25R26	62	61	64	63	73	67	56	55	61	56	56	60
KASKASKIA	63	60	62	62	72	65	63	59	69	57	53	56
TEST MEAN	64	61	64	63	72	64	60	56	69	59	59	62
TRIALS W/ DATA	15	34	9	20	5	11	5	11	3	8	5	12
LSD (0.05)	5.7	3.9	6.9	5.2	9.1	6.5	10.3	6.2	15.9	8	9.4	6.8
CV%	12.5	13.6	11.7	13.4	10.1	12.2	13.8	13.2	14.3	13.8	12.8	13.7
1YR = 2003	2YR = 2002 &2003											

**2003 SYNGENTA SEEDS NAFTA WHEAT  
LOCATIONS BY AREA**

ELITE	NAME	ALL	NORTH	CORN BELT	MIDSOUTH	SOUTH	EAST
2002-2003	US BERNIE, MO 1110	BMO	BMO	BMO			
	US UNION CITY, TN 1120	UCTN	UCTN	UCTN			
	US HOPKINSVILLE, KY 1135	HKY	HKY	HKY			
	US COLUMBIA, MO 1140	CMO	CMO	CMO			
	US ST. JACOB, IL 1150	SJIL	SJIL	SJIL			
	US WAUSEON, OH 1170	WOH	WOH	WOH			
	US BAY, AR 2210	BAR			BAR		
	US DEWITT, AR 2220	DAR			DAR		
	US WHITEHALL, AR 2230	WAR			WAR		
	US MACON, MS 3310	MMS					
	US LEWISVILLE, AR 3330	LAR			LAR	LAR	
	US GREENVILLE, MS 3340	GMS			GMS	GMS	
	US PLYMOUTH, NC 4500	PNC	PNC				PNC
	US WINTERVILLE, NC 4510	WNC	WNC				WNC
	US KINSTON, NC 4520	KNC	KNC				KNC
	US WARSAW, VA 4530	WVA	WVA				WVA
	US PLAINS, GA 4600	PGA				PGA	PGA
	US HARTSVILLE, SC 4650	HSC				HSC	HSC
	US MOUNT JOY, PA 4710	MJPA	MJPA				MJPA
	US SMYRNA, DELAWARE 4750	SDE	SDE				SDE

## Exhibit D: Additional Description of COKER 9375 cont.

Table 3: Agronomic Characteristics

	Test Weight Lb/Bu		Heading Date from 4/1 at Bay, AR			Height Inches	Lodging 1 - 9		Juvenile Growth Habit 1 - 5		
	2001	2002	2001	2002	2003		2002 &2003	2003	2000 BAR	2001 BAR	2003 BAR
<b>COKER 9375</b>	<b>57.2</b>	<b>55.4</b>	<b>21</b>	<b>21</b>	<b>23</b>	<b>37</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>
COKER 9803	59.9	58.5	19	19	18	33	3	2	4	3	3
COKER 9663	59.2	57.2	21	18	21	38	4	3	3	2	3
COKER 9152	57.9	56.3	19	19	18	38	4	2	3	3	3
COKER 9184	60.7	58.4	23	22	23	32	2	2	3	3	3
26R61	60.6	56.9	20	19	17	35	3	1	-	3	4
AGS 2000	59.3	56.6	20	17	16	34	3	3	-	4	4
PATTON	55.8	55.8	19	21	19	35	3	2	2	1	2
25R26	57.0	56.4	21	24	22	33	2	2	2	1	1
KASKASKIA	59.6	59.0	23	24	25	38	2	2	-	3	1
Test Mean	58.8	57.2	20	21	21	35	3	2	3	3	3
Trials w/ Data	9	16	1	1	1	23	14	10	1	1	1
LSD (0.05)	1.4	1.5	2	1	2	1	0.7	0.7	0.7	1	0.6
CV %	2.3	3.9	1	1	1	4	34.1	42.6	34.7	18	14.5
Reps			3	3	3				3	3	3

Test Weight (lb/bu): Average test weight across 9 locations in 2001 and 16 location in 2002.

Heading Date: Average date after April 1 at Bay, AR 2001, 2002, and 2003.

Height: Averaged over 11 locations in 2003.

Lodging 1 - 9 1 = none 2002, 14 locations. 2003, 10 locations.

Growth Habit 1 - 5 1 = Prostrate 3 = Semi-Erect 5 = Erect Averaged over 3 reps from Bay, AR 2000, 2001 & 2003.

## Exhibit D: Additional Description of COKER 9375 cont.

Table 4: Leaf Rust

	2002								2003	
	BAR	MMS	LAR	PNC	WNC	PGA	DSC	BRLA (%)	BRLA	PGA
<b>COKER 9375</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>6</b>
COKER 9803	2	2	3	4	5	6	2	0	1	2
COKER 9663	3	5	8	6	3	8	4	15	1	7
COKER 9152	1	1	2	2	2	1	1	0	1	1
COKER 9184	2	1	2	2	2	2	2	0	1	2
26R61	1	2	2	2	2	4	2	0	1	4
AGS 2000	1	2	2	3	2	2	1	0	1	1
PATTON	2	1	5	4	2	4	1	0	1	6
25R26	2	3	7	2	1	5	2	0	1	2
KASKASKIA	3	3	5	2	2	7	1	-	1	2
Test Mean	2	3	4	4	3	5	2	-	1	3
LSD (0.05)	1.1	2.1	1.8	1.0	1.2	2.7	1.9	-		
CV %	32.8	36.1	26.0	17.8	26.7	29.3	42.9	-		
Reps w/ Data	3	2	3	3	3	2	2	1	1	1

Scale 1 - 9 1 = Resistant

BRLA (%): Baton Rouge, LA is percent leaf area covered.

HKY: Henderson, KY; PNC: Plymouth, NC; PGA: Plains, GA; BAR: Bay, AR;

MMS: Macon, MS; LAR: Lewisville, AR; WNC: Winterville, NC; DSC: Dillon,

SC

## Exhibit D: Additional Description of COKER 9375 cont.

Table 5: Powdery Mildew

	2003				2002					
	DSC	KNC	WNC	MJPA	MJPA	WVA	WNC	KNC	DSC	PGA
<b>COKER 9375</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>2</b>
COKER 9803	3	4	2	1	4	4	5	5	4	2
COKER 9663	3	5	5	2	4	7	6	6	5	3
COKER 9152	5	5	5	2	3	6	5	5	5	1
COKER 9184	2	4	2	1	3	2	4	4	4	1
26R61	1	2	1	2	3	3	3	5	2	1
AGS 2000	1	2	1	2	3	2	2	4	1	1
Patton	1	4	3	4	3	5	3	5	2	1
25R26	2	4	3	2	4	7	4	5	2	1
KASKASKIA	3	6	4	4	4	6	4	5	3	1
Test Mean	2	4	3	2	3	4	3	4	3	1
LSD (0.05)	1.4	1.6	1.3	1.4	1.3	1.2	1.5	0.8	1.0	-
CV %	31.3	22.2	28.6	48.2	23.8	21.5	22.6	8.8	21.8	-
Reps w/ Data	2	2	3	3	3	3	2	2	3	1

Scale 1 - 9 1 = Resistant

KNC: Kinston, NC; PGA: Plains, GA; WNC: Winterville, NC; MJPA: Mount Joy, PA; WVA: Warsaw, VA; DSC: Dillon, SC

**Exhibit D: Additional Description of COKER 9375 cont.****Table 6: Other Diseases**

	Septoria Triticii		Stripe Rust			Wheat Spindle Streak Virus		Soil Borne Mosaic Virus	
	2002 HKY	2003 CMO	2000 LAR	2002 LAR	2003 ALL	1999 BAR	2001 BAR	2002 BMO	2002 UCTN
<b>COKER 9375</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>1</b>
COKER 9803	4	5	4	8	6	5	5	3	2
COKER 9663	3	3	4	5	5	5	4	2	4
COKER 9152	4	5	3	4	4	2	3	2	4
COKER 9184	6	5	3	7	5	5	5	3	1
26R61	4	4	-	2	2	-	2	1	3
AGS 2000	4	4	-	7	5	-	6	2	6
Patton	4	4	7	7	6	-	3	1	1
25R26	5	6	6	7	5	-	4	1	1
KASKASKIA	3	6	-	4	3	-	4	2	1
Test Mean	4	5	4	5	4.3	4	4	2	2
LSD (0.05)	1.1	1.3	1.1	1.7	1.3	0.9	1.3	1.5	1.5
CV %	16.3	16.1	16.4	18.8	25.5	13.0	18.0	44.3	45.4
Reps w/ Data	3	3	3	3	6 TRIALS	3	3	3	3
Scale 1 - 9 1 = Resistant									

HKY: Henderson, KY; CMO: Columbia, MO; LAR: Lewisville, AR; BAR: Bay, AR; BMO: Bernie, MO; UCTN: Union City, TN; ALL: All locations in 2003 with Stripe Rust (CMO, DAR, LAR, GMS, PGA BRLA)

**Table 7: Hessian Fly**

Biotypes	2000			2001		2002		
	E	L	O	L	O	E	L	O
<b>COKER 9375</b>	<b>12/1</b>	<b>0/8</b>	<b>9/2</b>	<b>0/19</b>	<b>15/0</b>	<b>19/0</b>	<b>0/16</b>	<b>8/10</b>
COKER 9803	0/11	0/14	-	0/13	1/9	0/13	0/18	0/14
COKER 9663	2/10	0/12	0/18	0/11	0/12	3/12	0/12	0/16
COKER 9152	5/12	0/14	0/18	0/13	10/3	0/13	0/16	0/14
COKER 9184	0/16	0/14	18/0	0/16	14/5	0/12	0/14	2/10

##/## = Resistant/Susceptible seedlings.

Screening done by USDA-ARS, Crop Production and Pest Control Research Unit, West Lafayette, IN.

**Exhibit D: Additional Description of COKER 9375 cont.****Table 8: Milling and Baking Quality**

	Milling	Baking	Comb.	Micro Test Weight	Softness Equival.	Flour Yield	Flour Protein	Micro AWRC	Cookie Dia.	Top Grade
2002 Crop										
Standard CK 9543	100	100	100	60.6	58.1	73.0	8.78	57.9	17.95	3
<b>COKER 9375</b>	<b>100.5</b>	<b>101.7</b>	<b>100.5</b>	<b>58.9</b>	<b>60.7</b>	<b>72.9</b>	<b>8.48</b>	<b>58.9</b>	<b>18.03</b>	<b>4</b>
Rated Excellent										
2000 Crop										
Standard Patton	100	100	100	59.7	55.2	71.9	10.08	54.5	17.78	3
<b>COKER 9375</b>	<b>107.2</b>	<b>110</b>	<b>107.2</b>	<b>60.5</b>	<b>60.8</b>	<b>72.8</b>	<b>8.9</b>	<b>53.3</b>	<b>18.12</b>	<b>5</b>
Rated Excellent										
1999 Crop										
Standard CK 9543	100	100	100	61.4	58.2	72.0	8.39	53.6	18.27	-
<b>COKER 9375</b>	<b>104.4</b>	<b>97.9</b>	<b>97.9</b>	<b>59.4</b>	<b>61.3</b>	<b>72.8</b>	<b>8.61</b>	<b>53.9</b>	<b>18.08</b>	<b>-</b>
Rated Acceptable										

Quality data from USDA Soft Wheat Quality Lab, Wooster, OH.  
2002, 2000, and 1999 ratings are from Syngenta Seeds, Inc. elite trials.



U.S. DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE

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.

**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). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)  Syngenta Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  B960457	3. VARIETY NAME  COKER 9375
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  P.O. Box 959 Minneapolis, MN 55440 Attn: John Thorne	5. TELEPHONE (include area code)  763-593-7333	6. FAX (include area code)  763-542-0194
7. PVPO NUMBER  <div style="text-align: center; font-size: 2em; font-weight: bold;">200400180</div>		
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <span style="float: right;"> <input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO                 </span>		

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

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

**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.

According to the Paperwork Reduction Act of 1995, no persons are 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 10 minutes 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 its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotope, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

16