

# THE UNITED STAYLES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

# President, Colorado Certified Potato Growers' Association, 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 riety in a public repository as provided by LAW, the right to exclude others from selling the variety, ffering it for sale, or reproducing it, or importing it, or exporting it, or conditioning it for ation, or stocking it for any of the above purposes, or using it in producing a hybrid or different erefrom, to the extent provided by the PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS 7 U.S.C. 2321 ET SEO.)

#### POTATO

'Rio Grande Russet'

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 seventeenth day of March, in the year two thousand and ten.

Attest:

Commissioner

Plant Variety Protection Office Agricultural Marketing Service etary of Agriculture



REPRODUCE LOCALLY. Include form number at				Form Approved - OMB No. 0581-0055
	MENT OF AGRICULTI RAL MARKETING SERV 7 - PLANT VARIETY PR	VICE	the Paperwork Reduction Act (PRA	
APPLICATION FOR PLANT (Instructions and information			(7 U.S.C. 2421). Information is held	etermine if a plant variety protection certificate is to be issued confidential until certificate is issued (7 U.S.C. 2426).
1. NAME OF OWNER			TEMPORARY DESIGNATION OF EXPERIMENTAL NAME	DR 3. VARIETY NAME
President, Colorado Certified Pota	to Growers' Asso	ciation, Inc.	AC89536-5RU	Rio Grande Russet
4. ADDRESS (Street and No., or R.F.D. No., o	City, State, and ZIP Coo	de, and Country)	5. TELEPHONE (include area code	FOR OFFICIAL USE ONLY
0249 East Road 9 North Center, CO 81125			(719) 754-3496	2005 0 0 1 3 9
,			6. FAX (include area code)	
			(719) 754-2619	FILING DATE
<ol> <li>IF THE OWNER NAMED IS NOT A "PERSO ORGANIZATION (corporation, partnership,</li> </ol>		8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	FEBRUARY 5, 2005
Association  10. NAME AND ADDRESS OF OWNER REPR		СО	January 1, 1949	F FILING AND EXAMINATION FEES:
President Colorado Certified Potato Gro 0249 East Road 9 North Center, CO 81125	wers' Association	n, Inc.		S \$ 3,652.00  R DATE 215105  C CERTIFICATION FEE:  S 768.00  DATE 12/08/09
11. TELEPHONE (Include area code)	12. FAX (Includ		13. E-MAIL	
(719) 754-3496	(719) 754	W. 1955-197	slvctr@coop.ext.colost	
14. CROP KIND (Common Name) Potato	16. FAMILY NA	AME (Botanical)	18. DOES THE VARIETY COI	NTAIN ANY TRANSGENES? (OPTIONAL)
15. GENUS AND SPECIES NAME OF CROP		RIETY A FIRST GENERATION HYBR	IF SO, PLEASE GIVE TH	E ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE
Solanum tuberosum L.	YES		APPROVED PETITION 1 COMMERICALIZATION.	TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR
CHECK APPROPRIATE BOX FOR EACH (Follow instructions on reverse)	ATTACHMENT SUBMI	TTED	20. DOES THE OWNER SPE	CIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS (See Section 83(a) of the Plant Variety Protection Act)
<ul><li>a.</li></ul>			21. DOES THE OWNER SPE NUMBER OF CLASSES?	wer items 21 and 22 below)
c. Exhibit C. Objective Description o	f Variety		YES N	0
<ul> <li>d. Exhibit D. Additional Description of</li> <li>e. Statement of the Basis</li> </ul>				S?   FOUNDATION  REGISTERED  CERTIFIED  CIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO  ONS?
f. Voucher Sample (2,500 viable univerification that tissue culture will			YES N	0
repository)	be deposited and main	татей тап арргочей ривно	IF YES, SPECIFY THE NU	JMBER 1,2,3, etc. FOR EACH CLASS.
g. Filing and Examination Fee (\$3,65 States" (Mail to the Plant Variety F		reasurer of the United		REGISTERED CERTIFIED s necessary, please use the space indicated on the reverse.)
<ol> <li>HAS THE VARIETY (INCLUDING ANY HA FROM THIS VARIETY BEEN SOLD, DISP OTHER COUNTRIES?</li> </ol>			24. IS THE VARIETY OR ANY INTELLECTUAL PROPER	COMPONENT OF THE VARIETY PROTECTED BY RTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?
YES NO			☐ YES ✓ N	10
IF YES, YOU MUST PROVIDE THE DATE FOR EACH COUNTRY AND THE CIRCUIT	OF FIRST SALE, DISI MSTANCES. (Please u	POSITION, TRANSFER, OR USE use space indicated on reverse.)	IF YES, PLEASE GIVE CO REFERENCE NUMBER. (I	UNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED Please use space indicated on reverse.)
a tuber propagated variety a tissue culture  The undersigned owner(s) is(are) the owne entitled to protection under the provisions of Owner(s) is (are) informed that false representations of the company of the compan	will be deposited in a per er of this sexually reprod of Section 42 of the Plan	public repository and maintained for th duced or tuber propagated plant variet nt Variety Protection Act. opardize protection and result in penal	e duration of the certificate.  y, and believe(s) that the variety is new,	n accordance with such regulations as may be applicable, or for distinct, uniform, and stable as required in Section 42, and is
NAME (Please print or type)			NAME (Please print or type)	
Mark Peterson				
CAPACITY OR TITLE	DATE		CAPACITY OR TITLE	DATE
President	01/	/24/2005		

'05 FEB 9 AM12:36

2005 00 139

#### 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 unfilled. 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/pvpindex.htm

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.)

Tissue-cultured plantlets and tuber seed stocks of AC89536-5RU were pre-released to local seed growers for research and evaluation purposes under an agreement regarding experimental potato selections. A copy of this agreement is attached as Appendix 1.

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 for this information is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, 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).

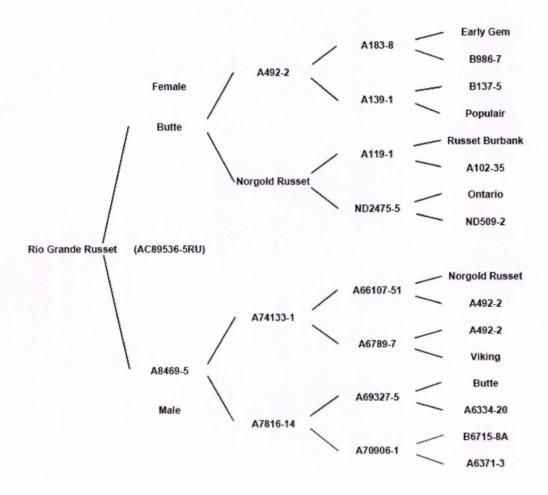
To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

98:31₩9 6 834 90v

# Exhibit A Origin and Breeding History of the Variety

# 1. Pedigree:

**Rio Grande Russet**, tested under pedigree number AC89536-5RU, was selected in 1991 at the San Luis Valley Research Center - Colorado State University, Center Colorado. It resulted from a cross of Butte and A8469-5 made by the USDA-ARS at the University of Idaho Research and Extension Center, Aberdeen, Idaho in 1989.



# Exhibit A (continued)

# Origin and Breeding History of the Variety

# 2. Selection and Multiplication:

Refer to Table 1 for an outline of the potato breeding, selection, and multiplication scheme for **Rio Grande Russet**.

Selection and early testing was done by Dr. David G. Holm, San Luis Valley Research Center-Colorado State University, Center, Colorado. Other Colorado State University personnel conducting cultural management trials and disease evaluations/observations were Dr. Samuel Y. C. Essah and Dr. Robert D. Davidson, respectively.

Primary criteria used in selecting **Rio Grande Russet** were yield potential, high percentage of US #1 tubers, attractive tuber type, and resistance to internal and external grade defects such as hollow heart, second growth, growth cracks, blackspot bruise, and shatter bruise.

**Rio Grande Russet** was evaluated in the Western Regional Trials in 2000-2002. These trials were conducted in several locations around the Western United States as part of WERA027 - Potato Variety Development.

Multiplication of **Rio Grande Russet** tubers for initial selection and research trials and subsequent seed increase was via vegetative means using tubers and/or tissue-cultured disease tested seed stocks.

# 3. Statement of Uniformity and Stability:

**Rio Grande Russet** has been observed for more than 14 years of field seed increase and/or tissue-culture production and during this period has been uniform and stable. Variants may appear in **Rio Grande Russet** at a frequency of about 0.5%. These plants are slightly taller and slightly later flowering and are referred to as semi-bolters. These variants are identical to the variety in all other characteristics as described in Exhibit C and are commercially acceptable. These variants are known to be the result of spontaneous mutation. This type of mutation is common is some potato cultivars.

# Exhibit A (continued)

Table 1. Potato breeding, selection, and multiplication scheme for Rio Grande Russet.

Year	Comments
1989 (1)	Select parents for crossing and true seed production in the greenhouse at Aberdeen, Idaho.
1991 (2)	Seedling tubers produced from true seed in the greenhouse at Aberdeen, Idaho.
1992 (3)	Seedling tubers of family A89536 were planted in the field as single hills. First cycle of field selection at the San Luis Valley Research Center. A89536-5RU selected.
1993 (4)	Twelve-hills of A89536-5RU were planted. Second cycle of field selection.
1994 (5)	Preliminary Selection 1 (P1). Third cycle of field selection (48 plant tuber-unit seed increase).
1995 (6)	Preliminary Selection 2 (P2). Fourth cycle of field selection (96 plant tuber-unit seed increase). Initial evaluations to characterize selections for blackspot bruise potential, storage weight loss, dormancy, and enzymatic browning. Initial evaluations for french fry potential (french fry color and specific gravity) was conducted this year and subsequently.
1996 (7)	Intermediate Selection. Fifth cycle of field selection. Initial data collected on yield, grade, and growth characteristics. Plant a 144 plant tuber-unit seed increase and a 2 rep x 25 plants intermediate yield trial (IYT).
1997-1998 (8-9)	Advanced Selection. AC89536-5RU was in the 6th-7th and 12+ cycles of field selection. All Advanced yield trials (AYT) has 4 reps x 25 plants. Planted a 1,600 plant tuber-unit seed increase.
and 2003+ (14+)	Indexing for viruses and cleanup/micropropagation is initiated in the sixth-cycle of selection. Initiated testing for ring rot and PLRV reaction - continue as needed. Selections in the 7th cycle of field selection are entered into cultural management trials and postharvest disease reaction (dry rot and soft rot) evaluations.
1999 (10)	1/2 acre tuber-unit seed increase planted. Entered in the Southwestern Regional Trials (4 locations - CO, TX, two in CA). Cultural management trials and postharvest disease reaction evaluations continue as needed.
2000-2002 (11-13)	1 acre or greater seed increase. Entered in the Western Regional Trial. The Western Regional Committee (WERA027) directs these trials at 10+ locations in the Western United States each year. Cultural management trials and postharvest disease reaction evaluations continue as needed.
2000+ (11+)	Grower/industry evaluations. The Colorado Potato Breeding and Selection Project relies on the cooperation of several growers, shippers, and processors to evaluate advanced selections for adaptability and marketability.
2005	Release of Rio Grande Russet (AC89536-5RU) as a named cultivar.

# Exhibit B

# **Statement of Distinctness**

**Rio Grande Russet** is compared to Russet Norkotah, the most similar russet table stock reference cultivar grown in our trials. **Rio Grande Russet** most clearly differs from Russet Norkotah in the following traits:

Trait	Rio Grande Russet	Russet Norkotah	Evidence
Light Sprout Base: Intensity of Anthocyanin Coloration	Medium	Strong	Figure 1
Light Sprout Tip: Intensity of Anthocyanin Coloration	Medium	Weak	Figure 1
Terminal Leaflet Tip Shape	Cuspidate	Acuminate	Figure 2
Primary Leaflet Tip Shape	Cuspidate	Acuminate	Figure 3
Corolla Inner Surface Color Chart Value	80D	155B	RHS Color Chart
Corolla Outer Surface Color Chart Value	84B	155A	RHS Color Chart
Number of Inflorescence/Plant	3.9 +/- 1.4 (n=80)	1.8 +/- 0.8 (n=53)	Table 1
Number of Florets/Inflorescence	13.2 +/- 3.4 (n=80)	6.5 +/- 2.4 (n=53)	Table 2
Specific Gravity	1.087 +/- 0.005 (n=22)	1.078 +/- 0.004 (n=22)	Table 3

NAME OF APPLICANT (S) President, Colorado Cer Growers' Association,		TEMPORARY OR EXPERIMENTAL AC89536-5RU	DESIGNATION		VARIETY N		Russ		10 (10	tato
ADDRESS (Street and No. or RD No., Cit	v. State. Zip Code, and Country)				FOR OFFIC	CIAL USE	ONLY		Toy No.	
President	,, o.a.e, <u>-</u> .p ooae, a ooa,				PVPO NUM					
Colorado Certified Pot 0249 East 9 North Center, CO 81125	ato Growers' Asso	ciation, Inc.			#2	0 0	5 0	0 1	3	9
REFERENCE VARIETIES: Ente	er the reference variety na	me in the appropriate box.								
Application Variety (V)	Reference Variety 1 (R	Reference Variety 2	(R2) Re	ference Variety	y 3 (R3)	Refe	rence Va	ariety 4	(R4)	
Rio Grande Russet	Russet Norkotah									
PLEASE READ ALL INSTRU	CTIONS CAREFULLY:									
		Tablestock 3 = Chip-process	4 = Froze	n-processing						
*LIGHT SPROUT: G 1 = Spherical 2 =  V 4  *LIGHT SPROUT BAS 1 = Absent 2 = W	ENERAL SHAPE Ovoid 3 = Conica  R1 3  BE: PUBESCENCE OF T	R2	Narrow cylindric	6 = Oth $R4$	er					
V 4	R1 2	R2	.3	R4						
*LIGHT SPROUT BA: 1 = Green 2 = Red	SE: ANTHOCYANIN COll-violet 3 = Blue-violet	LORATION 4 = Other(describe)								
V 2	R1 2	R2	3	R4						
*LIGHT SPROUT BAS 1 = Absent 2 = Wo		HOCYANIN COLORATION (I 4 = Strong 5 = Very Stro								
V 3	R1 4	R2	3	R4						
* LIGHT SPROUT TIP 1 = Closed 2 = Ir	: HABIT ntermediate 3 = Oper	1								
V	R1 2	R2	3	R4						

## 2. LIGHT SPROUT CHARACTERISTICS: (continued)

LIGHT	SPROUT	TIP:	PUBESCE	NCE
LIGHT	01 11001		LOPPOR	HUL

1 = Absent

2 = Weak

3 = Medium

4 = Strong

5 = Very Strong

2

2 R1

R2

R3

R4

#### LIGHT SPROUT TIP ANTHOCYANIN COLORATION

1 = Green

2 = Red-violet

3 = Blue-violet

4 = Other(describe)

2

2 R<sub>1</sub>

R2

R3

R4

#### LIGHT SPROUT TIP: INTENSITY OF ANTHOCANIN COLORATION (IF PRESENT)

1 = Absent

2 = Weak

3 = Medium

4 = Strong

5 = Very Strong

3

2 R1

R2

R3

R4

#### LIGHT SPROUT ROOT INITIALS: FREQUENCY

R1

1 = Short

2 = Medium

3 = Long

3

R2

R3

R4

#### 3. PLANT CHARACTERISTICS:

GROWTH HABIT: (See Figure 2)

3 = Erect (>45° with ground)

3

5 = Semi-erect (30-45° with ground)

7 = Spreading

3

R1

R2

R3

R4

#### TYPE:

1 = Stem (foliage open, stems clearly visible)

2 = Intermediate

3 = Leaf (Foliage closed, stems hardly visible)

V 2

2 R1

R2

R3

R4

#### MATURITY: Days after planting (DAP) at vine senescence

120

99 R<sub>1</sub>

R2

R3

R4

#### PLANTING DATE:

V

5/15

5/15 R1

R2

R3

R4

#### \*REGIONAL AREA:

1 = Pacific North West (WA, OR, ID, CO, CA)

2 = North Central (ND, WI, MI, MN, OH) 5 = South (LA, TX, AZ, NE)

3 = North East (ME, NY, PA, NJ, MD, MA, RI,) 6 = Canada

4 = Mid-Atlantic Erect (VI, NC, SC, South NJ, FL) 7 = Europe

8 = England

9 = Latin America 10 = Brazil

R2

11 = Other

1

1 R1

R3

R4

# MATURITY CLASS:

1 = Very Early (<100 DAP) 2 = Early (100-110 DAP) 3 = Mid-season (111-120 DAP) 4 = Late (121-130 DAP) 5 = Very Late (>130 DAP).

3

R1 1

R2

R3

#### 4. STEM CHARACTERISTICS: Measure at early first bloom

\* STEM ANTHOCYANIN COLORATION:

1 = Absent 3= Weak 5 = Medium 7 = Strong 9 = Very Strong

V

R1 1

R2

R3

R4

STEM WINGS: (See Figure 3)

1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very Strong

**V** 3

R1 3

R2

R3

R4

#### 5. LEAF CHARACTERISTICS:

LEAF COLOR: (Observe fully developed leaves located on middle 1/3 of plant)

1 = Yellowing-green 2 = Olive-green 3 = Medium Green 4 = Dark Green 5 = Grey-green 6 = Other

V 2

R1 2

R2

R3

R4

LEAF COLOR CHART VALUE: Royal Horticulture Society Color Chart of Munsell Color Chart (Observe fully developed leaves located on middle 1/3 of plant and circle the appropriate color chart)

V 137B

R1 137A

R2

R3

R4

LEAF PUBESCENCE DENSITY:

1 = Absent 2 = Sparse 3 = Medium 4 = Thick 5 = Heavy

**V** 3

R1 3

R2

R3

R4

LEAF PUBESCENCE LENGTH:

1 = None 2 = Short 3 = Medium 4 = Long 5 = Very Long

V 2

R1 2

R2

R3

R4

(Note Descriptor #15 can be used to describe the type and length of the glandular trichomes observed.)

\* LEAF SILHOUETTE: (See Figure 4)

1 = Closed 3 = Medium 5 = Open

V 5

R1 3

R2

R3

R4

PETIOLES ANTHOCYANIN COLORATION:

1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very Strong

 $\mathbf{V}$  3

R1 3

R2

R3

R4

LEAF STIPULES SIZE: (Se Figure 5)

1 = Absent 3 = Small 5 = Medium 7 = Large

**V** 3

R1 3

R2

R3

R4

TERMINAL LEAFLET SHAPE (See Figures 6 and 7)

1 = Narrowly ovate 2 = Medium Ovate 3 = Broadly Ovate 4 = Lanceolate 5 = Elliptical 6 = Obovate 7 = Oblong 8 = Other \_\_\_\_\_\_

V 2

R1 2

R2

R3

#### 5. LEAF CHARACTERISTICS: (continued)

TERMINAL LEAFLET 1 = Acute 2 = Cus	T TIP SHAPE: (See Figures 6 and 8) spidate 3 = Acuminate 4 = Obtuse	5 = Other	
V 2	R1 <sup>3</sup> R2	R3 R4	
* TERMINAL LEAFL 1 = Cuneate 2 = Ad	LET BASE SHAPE: (See Figure 9) cute 3 = Obtuse 4 = Cordate 5 = Tri	runcate 6 = Lobed 7 = Other	
V 3	R1 4 R2	R3 R4	
TERMINAL LEAFLE 1 = Absent 2 = Slig	ET MARGIN WAVINESS: ght 3 = Weak 4 = Medium 5 = Strong		
V 5	R1 <sup>2</sup> R2	R3 R4	
	RY LEAFLET PAIRS: (See Figure 6)		
V 3.6	R1 3.9 R2	R3 R4	
RANGE:			
V 2 to 5	R1 3 to 6 R2	to R3 to R4 to	
PRIMARY LEAFLET 1 = Acute 2 = Cusp	TIP SHAPE: (See Figures 6 and 8) pidate 3 = Acuminate 4 = Obtuse 5 = 0	Other	
V 2	R1 3 R2	R3 R4	
PRIMARY LEAFLE 1 = Very Small 2 =		ery Large	
V 2	R1 3 R2	R3 R4	
PRIMARY LEAFLET 1 = Narrowly ovate	SHAPE: (See Figures 6 and 7) 2 = Medium ovate 3 = Broadly ovate 4 = La	anceolate 5 = Elliptical 6 = Ovate 7 = Oblong 8 = Other	
V 2	R1 1 R2	R3 R4	
PRIMARY LEAFLET 1 = Cuneate 2 = A	BASE SHAPE: (See Figures 6 and 9) acute 3 = Obtuse 4 = Cordate 5 = Trun	ncate 6 = Lobed 7 = Other	
V 4	R1 4 R2	R3 R4	
NUMBER OF SECON	NDARY AND TERTIARY LEAFLET PAIRS: (S	See Figure 6)	
AVERAGE:			
V 4.5	R1 5.9 R2	R3 R4	
RANGE:	D1 0 to 12 D2	to P2 to P4 to	

#### 5. LEAF CHARACTERISTICS: (continued)

#### NUMBER OF INFLORESCENCE/PLANT:

AVERAGE:

3.9

R1 1.8 R2

R3

R4

RANGE:

V 2 to 7 R1 1 to 4 R2 to

R3

to

R4 to

#### NUMBER OF FLORETS/INFLORESCENCE:

AVERAGE:

13.2

6.5 R1

R2

R3

R4

RANGE:

to 24

R1 3 to 12 R2

to

R3 to R4 to

\* COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure predominant color of newly open flower and circle the appropriate color chart)

80D

R1

155B

R2

R3

R4

\* COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure predominant color of newly open flower and circle the appropriate color chart)

V

84B

R1

155A

R2

R3

6 = Blue

R4

\* COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)

1 = White 2 = Red-violet 9 = Purple

10 = Violet 11 = Other

3 = Blue-violet 4 = Cream

5 = Red-purple

7 = Pink

8 = Pink-white

3

R11

3

R1

R2

R3

R4

COROLLA SHAPE: (See Figure 10)

1 = Very rotate 2 = Rotate 3 = Pentagonal

4 = Semi-stellate

R2

5 = Stellate R3

R4

#### 6. INFLORESCENCE CHARACTERISTICS:

#### CALYX ANTHOCYANIN COLORATION:

1 = Absent 3 = Weak 5 = Medium 7 = Strong

9 = Very strong

5

2 R1

R2

R3

R4

ANTHER COLOR CHART VALUE: TRoyal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flower is fully expanded and circle the appropriate color chart)

14A

14A R1

R2

R3

R4

ANTHER SHAPE: (See Figure 11)

1 = Broad cone

2 = Narrow cone

3 = Pear-shaped cone

4 = Loose

5 = Other

2

R11 R2

R3

I = None 3 = S	ome 5 = Abundant				
<b>V</b> 3	R1 3	R2	R3	R4	
STIGMA SHAPE: I = Capitate 2 =	(See Figure 12) Clavate 3 Bi-lobed				
V	R1 1	R2	R3	R4	
STIGMA COLOR	CHART VALUE: Royal H	Horticulture Society	Color Chart or Munsel	Color Chart (Circle the appr	opriate color chart)
V 146A	R1 146	5B	R2	R3	R4
	TION: (Under field condition: Low 5 = Moderate)  R1 5		= Very Heavy	R4	
	SKIN COLOR: Light Yellow 3 = Yellow	v 4 = Buff 5 12 = Other	= Tan 6 = Brown	7 = Pink 8 = Red	9 = Purplish-red
PREDOMINANT 1 = White	SKIN COLOR:  ight Yellow 3 = Yellow  Dark purple-black	12 = Other	R3	7 = Pink $8 = Red$ $R4$ arDer Munsell Color Chart (0	
PREDOMINANT 1 = White	SKIN COLOR:  ight Yellow 3 = Yellow  Dark purple-black	R2   Royal Hortic	R3	R4	
PREDOMINANT 1 = White 2 = 1 10 = Purple 11  V 6  PREDOMINANT S  V 199B  SECONDARY SKI	SKIN COLOR:  ight Yellow 3 = Yellow = Dark purple-black  R1 6  SKIN COLOR CHART VAI	R2  LUE: Royal Hortice	R3	arDor Munsell Color Chart (0	Circle the appropriate o
PREDOMINANT 1 = White 2 = 1 10 = Purple 11  V 6  PREDOMINANT S  V 199B  SECONDARY SKI	SKIN COLOR:  ight Yellow 3 = Yellow = Dark purple-black  R1 6  SKIN COLOR CHART VAI  R1 199	R2  LUE: Royal Hortice	R3	arDor Munsell Color Chart (0	Circle the appropriate o
PREDOMINANT 1 = White 2 = 1 10 = Purple 11  V 6  PREDOMINANT S  V 199B  SECONDARY SKI 1 = Absent 2  V 1	R1 199  IN COLOR:  Present (please described)	R2  LUE: Royal Hortical page   Dept.   Dept.	R3  ulture Society Color Ch	arDer Munsell Color Chart (C	Circle the appropriate of R4
PREDOMINANT 1 = White 2 = 1 10 = Purple 11  V 6  PREDOMINANT S  V 199B  SECONDARY SKI 1 = Absent 2  V 1	R1 199  IN COLOR:  Present (please described)	R2  LUE: Royal Hortical page   Dept.   Dept.	R3  ulture Society Color Ch	R4  R3  R3	Circle the appropriate of R4
PREDOMINANT 1 = White 2 = 1 10 = Purple 11  V 6  PREDOMINANT S  V 199B  SECONDARY SKI 1 = Absent 2  V 1  SECONDARY SKI V  SECONDARY SKI	SKIN COLOR:  ight Yellow 3 = Yellow   = Dark purple-black    R1 6    SKIN COLOR CHART VAI  R1 199  IN COLOR:   = Present (please descrit   R1 1 1	R2  LUE: Royal Hortical  BE: Royal Hortical  N: (See Figure 13)	R3  Wilture Society Color Characteristics and the R2  R2  ture Society Color Characteristics and the R2  R2	R4  R3  R3  R3  R3	Circle the appropriate of R4

R1 4

R2

R3

# 7. TUBER CHARACTERISTICS: (continued)

\* TUBER SHAPE: (See Figure 14)

1 = Compressed 2 = Round 3 = Oval 4 = Oblong 5 = Long 6 = Other

V 4

R1 5

R2

R3

R4

**TUBER THICKNESS:** 

1 = Round 2 = Medium thick 3 = Slightly flattened 4 = Flattened 5 = Other \_\_\_\_\_

**V** 3

R1 2

R2

R3

R4

#### TUBER LENGTH (mm):

AVERAGE:

V 110

R1 106

R2

R3

R4

RANGE:

V 85 to 135

R1 78 to 135

R2

to

R3 to

R4 to

STANDARD DEVIATION:

V 11

R1 12

R2

R3

R4

AVERAGE WEIGHT OF SAMPLE TAKEN:

V 200

R1 187

R2

22

R3

R4

**TUBER WIDTH (mm)** 

AVERAGE:

V 62

R1 61

R2

R3

R4

RANGE:

V 52 to 75

R1 50 to 74

R2

to

R3

to

R4 to

STANDARD DEVIATION:

V 5

R1 4

R2

R3

R4

AVERAGE WEIGHT OF SAMPLE TAKEN (g):

V 200

R1 187

R2

R3

#### Exhibit C (Potato)

#### 7. TUBER CHARACTERISTICS: (continued)

#### TUBER THICKNESS (mm):

AVERAGE:

V 52

R1 52

R2

R3

R4

RANGE:

V 41 to 65

R1 42 to 64

R2 to

R3 to

R4 to

STANDARD DEVIATION:

V 5

R1 5

R2

R3

R4

AVERAGE WEIGHT OF SAMPLE TAKEN (g):

V 200

R1 187

R2

R3

R4

TUBER EYE DEPTH:

1 = Protruding

3 = Shallow

5 = Intermediate

7 = Deep

9 = Very deep

**V** 3

R1 3

R2

R3

R4

TUBER LATERAL EYES:

1 = Protruding

3 = Shallow

5 = Intermediate

7 = Deep

9 = Very deep

**V** 3

R1 3

R2

R3

R4

NUMBER EYE/TUBER:

AVERAGE:

V 18

R1 18

R2

R3

R4

RANGE:

V 12 to 25

R1 10 to 22

R2

to

R3 to

R4 to

**DISTRIBUTION OF TUBER EYES:** 

1 = Predominantly apical

2 = Evenly distributed

V 2

R1 2

R2

R3

R4

PROMINENCE OF TUBER EYEBROWS:

1= Absent

2 = Slight prominence

3 = Medium prominence

4 = Very prominent

5 = Other \_\_\_\_

V 3

R1 2

R2

R3

9 = Purplish-red

#### 7. TUBER CHARACTERISTICS: (continued)

PREDOMINANT TUBER FLESH COLOR

7 = Pink 8 = Red 1 = White 2 = Light Yellow 3 = Yellow 4 = Buff 5 = Tan 6 = Brown

10 = Purple 11 = Dark purple-black 12 = Other

R4 R3 V R2 R1 1

PRIMARY TUBER FLESH COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circle the appropriate color

R4 160D R3 R2 V 160D R<sub>1</sub>

SECONDARY TUBER FLESH COLOR:

1 = Absent 2 = Present, please describe:

R2 R3 R4 1 R11

SECONDARY TUBER FLESH COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circle the appropriate color chart)

R3 R4 R2 R1

NUMBER OF TUBERS/PLANT:

3 = High (>15)2 = Medium (8-15)1 = Low (< 8)

2 1 R3 R4 R1 R2

#### 8. DISEASES CHARACTERISTICS:

DISEASES REACTION: 0 = Not Tested 1 = Highly Resistant 2 = Resistant Few Symptoms 3 = Resistance Few Lessions in Number and Size 4 = Moderately Resistance 5 = Intermedia Susceptible 6 = Moderate Susceptible 7 = Susceptible 9 = Highly Susceptible

#### LATE BLIGHT: (Phytophthora)

V

R1

R2

R3

R4

#### **EARLY BLIGHT: (Alternaria)**



R1

R2

R3

R4

#### SOFT ROT (Erwinia)



R1

R2

R3

R4

# COMMON SCAB (Streptomyces)



R1

R2

R3

R4

# POWDERY SCAB (Spongospora)



R1 1

R2

R3

R4

# DRY ROT (Fusarium)



R1

R2

R3

R4

# POTATO LEAF ROLL VIRUS (PLRV)



R1 7

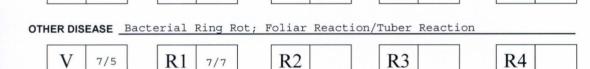
R2

R3

#### 8. DISEASES CHARACTERISTICS: (continued) POTATO VIRUS X (PVX) R2 R3 R4 R1 POTATO VIRUS Y (PVY) 7 R2 R3 R4 R1 5 POTATO VIRUS M (PVM) R1 R2 R3 R4 POTATO VIRUS A (PVA) V R1 R2 R3 R4 **GOLDEN NEMATODE (Globodera)** R1 R2 R3 R4

R3

R4



R2





# 9. PESTS CHARACTERISTICS:

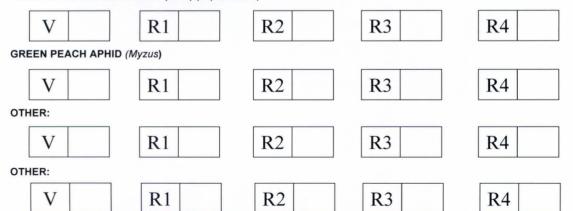
ROOT - KNOT NEMATODE (Meloidogyne)

R1

PEST REACTION: 0 = Not Tested 1 = Highly Resistant 2 = Resistant Few Symptoms 3 = Resistance Few Lessions in Number and Size 4 = Moderately Resistance 5 = Intermedia Susceptible 6 = Moderate Susceptible

7 = Susceptible 9 = Highly Susceptible





10	GENE	TRAITS

INSERTION OF GENES: 1 = YES 2 = NO

IF YES, describe the gene(s) introduced or attach information:

## 11. QUALITY CHARACTERISTICS:

### CHIEF MARKET:

SPECIFIC GRAVITY (wt. air/wt. air - wt. water)

1 = <1.060

4

3 = 1.070-1.079

5 = >1.090

R4

TOTAL GLYCOALKALOID CONTENT (mg./100 g. fresh tuber)

3

R1

3.0

R1 2.5 R2

R2

R3

R3

R4

OTHER QUALITY CHARACTERISTICS: Describe any other quality characteristics that may aid in identification, (e.g., chip-processing, french fry processing, baking, boiling, after-cooking darkening). Please attach data and corresponding protocol.

### 12. CHEMICAL IDENTIFICATION:

Describe chemical traits of the candidate variety that aid in its identification (e.g., protien or DSN electrophoresis). Please attach data and the corresponding protocol.

13. FINGER PRINTING MARKERS:

ISOZYMES 1 = YES 2 = NO X

IF YES, attach information

2 = NO X 14. DNA PROFILE: 1 = YES

IF YES, attach information

## 15. ADDDITIONAL COMMENTS AND CHARACTERISTICS:

Include any additional descriptors that would be useful in distringuishing the candidate variety.

# **Rio Grande Russet Tuber and Sprout Photos**







Figure 1. Light Sprout Base: Intensity of Anthocyanin Coloration and Light Sprout Tip: Intensity of Anthocyanin Coloration for Rio Grande Russet (top) and Russet Norkotah (bottom).



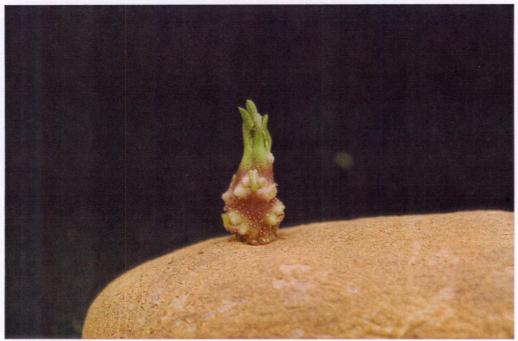


Figure 2. Terminal leaflet tip shape for Rio Grande Russet (left) and Russet Norkotah (right).

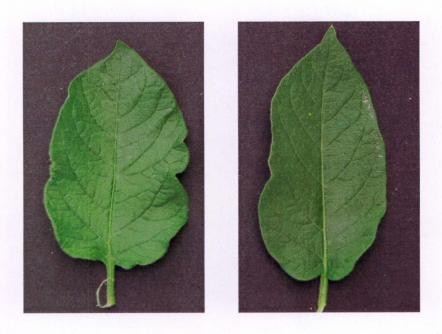


Figure 3. Primary leaflet tipe shape for Rio Grande Russet (left) and Russet Norkotah (right).





Table 1.

	Analysis											
Rio Grande Russet	3	5	6	5	6	5	5	6	6	3	Number	80
	7	2	4	5	4	6	5	3	3	4	Mean	3.9
	6	2	3	3	4	5	4	3	3	7	SD	1.4
	7	2	5	2	4	4	3	5	4	5		
	3	2	2	5	2	4	2	3	3	2		
	3	3	3	3	5	3	4	3	3	5		
	5	6	2	5	3	3	3	2	4	2		
	6	4	5	4	3	5	4	4	5	3		
Russet Norkotah	3	2	1	1	2	1	1	4	3	2	Number	53
	1	1	4	2	2	1	1	1	2	2	Mean	1.8
	2	1	3	2	2	2	2	2	1	1	SD	0.8
	1	1	1	2	3	2	1	1	2	1		
	1	3	2	2	2	1	1	3	1	2		
	3	2	1									

Table 2.

# Florets/Inflorescend	ce Analy	/sis										
Rio Grande Russet	24	12	15	15	15	16	15	22	14	14	Number	80
	14	18	13	13	20	19	15	11	14	16	Mean	13.2
	14	14	12	10	10	13	6	15	14	18	SD	3.4
	12	10	12	11	10	11	10	12	13	24	7 7 7	
	14	20	13	14	19	7	14	14	9	14		
	12	9	12	12	12	13	12	11	9	11		
	12	15	14	13	12	8	13	10	8	17		
	8	11	11	12	14	12	10	11	12	13		
Russet Norkotah	6	6	7	8	8	6	9	5	4	4	Number	53
	4	9	6	3	10	8	6	6	10	10	Mean	6.5
	6	6	6	8	8	4	6	6	3	3	SD	2.4
	3	3	6	6	6	3	3	12	9	8		
	3	3	9	10	12	8	8	7	8	9		
	5	6	6									

Table 3.

Specifi	c Gravity Analysis	
Trial	Rio Grande Russet	Russet Norkotah
1	1.089	1.081
2	1.091	1.079
3	1.090	1.081
4	1.088	1.077
5	1.092	1.081
6	1.088	1.083
7	1.092	1.081
8	1.078	1.078
9	1.088	1.085
10	1.082	1.078
11	1.091	1.079
12	1.080	1.080
13	1.083	1.080
14	1.093	1.077
15	1.093	1.081
16	1.094	1.079
17	1.084	1.070
18	1.089	1.080
19	1.082	1.071
20	1.086	1.078
21	1.079	1.071
22	1.080	1.073
Mean	1.087	1.078
SD	0.005	0.004
Max	1.094	1.085
Min	1.078	1.070

Table 2. Plant and processing characteristics for **Rio Grande Russet** compared with Russet Burbank and Russet Norkotah, 2001-2003.

Clone	% Stand	Vine Size <sup>1</sup>	Vine Maturity <sup>2</sup>	Specific Gravity	Fry Color <sup>3</sup>	Fry Color <sup>4</sup>
2001			**			
Rio Grande Russet	99	3.5	3.0	1.094	1	3
Russet Burbank	99	3.0	3.0	1.088	2	4
Russet Norkotah	100	2.0	2.0	1.077	2	1
LSD (0.05) <sup>5</sup>	NS	0.5	0.5			
2002						
Rio Grande Russet	98	4.3	2.5	1.093	3	3
Russet Burbank	99	3.0	2.8	1.091	1	1
Russet Norkotah	99	2.0	2.0	1.080	3	2
LSD (0.05) <sup>5</sup>	NS	0.5	0.5			
2003						
Rio Grande Russet	100	3.8	3.0	1.080	2	3
Russet Burbank	99	4.0	3.0	1.082	3	3
Russet Norkotah	100	2.0	2.0	1.079	3	3
LSD (0.05) <sup>5</sup>	NS	0.6	0.4			

<sup>&</sup>lt;sup>1</sup>Vine size is rated on a 1 to 5 scale, with 5 indicating very large vines.

<sup>&</sup>lt;sup>2</sup>Vine maturity is rated on a 1 to 5 scale, with 5 indicating very late maturing vines.

<sup>&</sup>lt;sup>3</sup>Fry color was rated at harvest on a 0 to 4 scale (USDA color standards), with 0 being the lightest color. Color ratings of ≤2 are acceptable. Fries were cooked for 3 ½ minutes at 375F.

<sup>&</sup>lt;sup>4</sup>Fry color was rated after 8 weeks of storage at 45F.

<sup>&</sup>lt;sup>5</sup>LSD=least significant difference; NS=not significant.

REPRODUCE LOCALLY. Include form number and edition date on all	reproductions.	FORM APPROVED - OMB No. 0581-005					
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE  EXHIBIT E  STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to del certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issued.)	ermine if a plant variety protection 421). The information is held					
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME					
President, Colorado Certified Potato Growers' Association	AC89536-5RU	Rio Grande Russet					
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)					
0249 East Road 9 North	(719) 754-3496	(719) 754-2619					
Center, CO 81125	7. PVPO NUMBER 2005 0 0 1 3 9						
9. Is the applicant (individual or company) a U.S. national or a U.S. ba	ased company? If no, give name of c	ountry. YES NO					
b. If the original rights to variety were owned by a company(ies),	is (are) the original owner(s) a U.S. ba	ised company?					
11. Additional explanation on ownership ( <i>Trace ownership from origin</i> The Colorado Certified Potato Growers' Association, Inc., and the agreement on February 1, 1998 (renewed on July 1, 2002). This Colorado State University by the Agricultural Experiment Station	e Board of Governors of Colorado Sta agreement allows the transfer of owner	te University System entered into an ership of potato cultivars developed at					
PLEASE NOTE:	To the colorado certifica i otato dio	weis Association.					
Plant variety protection can only be afforded to the owners (not licens							
	sees) who meet the following criteria:						
<ol> <li>If the rights to the variety are owned by the original breeder, that penational of a country which affords similar protection to nationals of</li> </ol>	erson must be a U.S. national, national						
	erson must be a U.S. national, national f the U.S. for the same genus and spected the original breeder(s), the compared	y must be U.S. based, owned by					

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

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.

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, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.



Act for definitions.

'05 FEB 9 AM12:37

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 5 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 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.

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

#### **EXHIBIT F DECLARATION REGARDING DEPOSIT**

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OR EXPERIMENTAL DESIGNATION AC89536-5RU			
President, Colorado Certified Potato Growers' Association, Inc.	0249 East Road 9 North Center, CO 81125	VARIETY NAME Rio Grande Russet			
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY			
Mark Peterson	0249 East Road 9 North Center, CO 81125	2000 0 0 1 3 9			

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Signature

1-31-05