No.

ANHAR DOMININE DISHAN NESS

TO) ALL, TO) WHOM: THESE; PRESENTS; SHALL, COME;; **Cornell University**

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 purposes, or using it in producing a hybrid or different variety therefrom, to the extent provided by the PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)



'Lamoka'

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 twentieth day of February, in the year two thousand and thirteen.

un J. Vilsel Secretary of Agriculture

Commissioner Plant Variety Protection Office Agricultural Marketing Service

Attest.

200900364

REPRODUCE LOCALLY. Include form number and date	on an reproductions	Form Approved - OMB No. 0581-0055				
U.S. DEPARTMENT OF A AGRICULTURAL MARKE SCIENCE AND TECHNOLOGY - PLANT V	TING SERVICE		statements are made in accordance with rk Reduction Act (PRA) of 1995.	the Privacy Act of 1974 (5 U.S.C. 552a) and		
APPLICATION FOR PLANT VARIETY F (Instructions and information collection b	PROTECTION CERTIFICATE		required in order to determine if a plant v 1). Information is held confidential until c	ariety protection certificate is to be issued ertificate is issued (7 U.S.C. 2426).		
1. NAME OF OWNER			ARY DESIGNATION OR EXPERIMENTA			
Cornell University		'NY1	39' and 'Y28-9'	'Lamoka'		
4. ADDRESS (Street and No., or R.F.D. No., City, Sta	te, and ZIP Code, and Country)	-	NE (include area code)	FOR OFFICIAL USE ONLY		
Cornell Center for Technology Enterp	orise and Commercialization	(607) 2	254-4698			
395 Pine Tree Road, Suite 31	10	6. FAX (inclu	de area code)	#20090036		
Ithaca, N.Y. 14850			254-5454	FILING DATE		
7. IF THE OWNER NAMED IS NOT A "PERSON", GIN FORM OF ORGANIZATION (corporation, partnership, association, etc.) University	9. DATE OF	INCORPORATION	July 1, 2009			
19. NAME AND ADDRESS OF OWNER REPRESENT Jondle & Associates, P.C. Attn: Barbara Campbell 858 Happy Canyon Road, Castle Rock, Colorado 80	Ar Ha Suite 230 Or	nne M. Schr arris Beach	neiderman, Esquire PLLC. 2e, 300 South State St.	F FILING AND EXAMINATION FEES: E \$ 4387 - DATE 7117000 CERTIFICATION FEE: E \$ V E DATE D		
11 TELEPHONE (Include area code)	12. FAX (Include area code)		13. E-MAIL			
(000) . 00 0	(303) 799-6898- (315) 42 16. FAMILY NAME (Botanical)	22-9331	bcampbell@jondlel			
	Solanaceae		YES VO			
	17. IS THE VARIETY A FIRST GENERATI	ION HYBRID?		ED USDA-APHIS REFERENCE NUMBER FOR THE LATE THE GENETICALLY MODIFIED PLANT FOR		
Solanum tuberosum L.	YES VNO		COMMERCIALIZATION.			
c. Exhibit C. Objective Description of Variet, d. Exhibit D. Additional Description of the Vie e Exhibit E. Statement of the Basis of the O f. Exhibit F. Declaration Regarding Deposit g. Voucher Sample (3,000 viable untreated that tissue culture will be deposited and in h. Filing and Examination Fee (\$4,382), mac States" (Mail to the Plant Variety Protection	ariety (Optional) Dwner's Ownership seeds or, for tuber propagated varieties, ve naintained in an approved public repository, de payable to "Treasurer of the United	rification)	NUMBER OF CLASSES? YES NO IF YES, WHICH CLASSES? 22. DOES THE OWNER SPECIFY T NUMBER OF GENERATIONS? YES NO IF YES, SPECIFY THE NUMBER	HAT SEED OF THIS VARIETY BE LIMITED AS TO FOUNDATION REGISTERED CERTIFIED HAT SEED OF THIS VARIETY BE LIMITED AS TO R 1,2,3, etc. FOR EACH CLASS. STERED CERTIFIED		
				ssary, please use the space indicated on the reverse.)		
	ED MATERIAL) OR A HYBRID PRODUCE			PONENT OF THE VARIETY PROTECTED BY GHT (PLANT BREEDER'S RIGHT OR PATENT)?		
AS THE VARIET (UNCLODING ANT HARVES) FROM THIS VARIETY BEEN SOLD, DISPOSED (OTHER COUNTRIES? YES YES NO IF YES, YOU MUST PROVIDE THE DATE OF FII FOR EACH COUNTRY AND THE CIRCUMSTAN	RST SALE, DISPOSITION, TRANSFER, O	RUSE	YES NO	Y, DATE OF FILING OR ISSUANCE AND ASSIGNED use space indicated on reverse.)		
FROM THIS VARIETY BEEN SOLD, DISPOSED (OTHER COUNTRIES? YES NO IF YES, YOU MUST PROVIDE THE DATE OF FIR FOR EACH COUNTRY AND THE CIRCUMSTAN 25. The owners declare that a viable sample of basic for a tuber propagated variety a tissue culture will	RST SALE, DISPOSITION, TRANSFER, O CES. (Please use space indicated on reve seed of the variety has been furnished with be deposited in a public repository and m	R USE erse.) application and aintained for the	IF YES, PLEASE GIVE COUNTR REFERENCE NUMBER. (Please will be replenished upon request in acco duration of the certificate.	use space indicated on reverse.) rdance with such regulations as may be applicable, or		
FROM THIS VARIETY BEEN SOLD, DISPOSED O OTHER COUNTRIES? YES NO IF YES, YOU MUST PROVIDE THE DATE OF FIR FOR EACH COUNTRY AND THE CIRCUMSTAN 25. The owners declare that a viable sample of basic for a tuber propagated variety a tissue culture will The undersigned owner(s) is(are) the owner of this entitled to protection under the provisions of Section 42	RST SALE, DISPOSITION, TRANSFER, O CES. (Please use space indicated on reve seed of the variety has been furnished with be deposited in a public repository and m s sexually reproduced or tuber propagated 2 of the Plant Variety Protection Act.	PR USE prse.) application and aintained for the plant variety, an	IF YES, PLEASE GIVE COUNTR REFERENCE NUMBER. (Please will be replenished upon request in acco duration of the certificate.	use space indicated on reverse.)		
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2009 JUL 1 PK 3:29

(See reverse for instructions and information collection burden statement)

GENERAL INSTRUCTIONS: 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, F; (3) for a tuber reproduced variety, 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; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (*See Section 97.6 of the Regulations and Rules of Practice*). **NEW:** With the application for a seed reproduced variety **or by direct deposit soon after filing**, the applicant must provide at least 3,000 viable untreated seeds of the variety *per se*, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to **reproduce** the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant sun-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. <u>Retain one copy for your files</u>. 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 payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

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.)

 Plant Variety Protection Office

 Telephone: (301) 504-5518
 FAX: (301) 504-5291

 General E-mail: PVPOmail@usda.gov

 Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and **provide evidence** that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, **Seed Regulatory and Testing Branch**, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. 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 replicated 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.)

NA

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.)

Plantlets of 'Lamoka' was first sold in the US on January 28, 2009.

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).)

Canadian PBR filed on May 30, 2007, Application No. 07-5920

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, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (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).

Exhibit A - Origin and Breeding History for Potato Cultivar 'Lamoka'

The potato clone 'Lamoka', previously evaluated as 'NY139' and 'Y28-9', resulted from a cross made in early 1998 between the chipping clones 'NY120' (female parent) and 'NY115' (pollen parent). Like 'Lamoka', both 'NY120' and 'NY115' were developed at Cornell University. 'NY120' was selected from a cross made in 1991 between 'Kanona' and 'AF186-2'. Parents of 'AF186-2' were 'Chipbelle' and 'Norchip'. Parents of 'NY115' were 'Pike' and 'NY88' (cross made in 1990). Parents of 'NY88' were 'U715-64' and 'Q155-3' (cross made in 1983). Parents of 'U715-64' were 'B6595-5' and 'NY48' (cross made in 1973). Parents of 'Q155-3' were 'K349-7' and '6HS-9' (cross made in 1972).

Seed from the 'NY120' x 'NY115' cross was first sown in 1999. Seedlings were transplanted to styrofoam quadra-packs, then to 6 inch pots and raised in the field on Mount Pleasant, near Ithaca, NY. Four tubers were harvested from each pot and planted as four hill plots in the field in 2000. Selections were made in the field in the fall of 2000 based on visual impressions of appearance and yield. During the winter clones were assayed for resistance to race Ro1 of the golden cyst nematode and only resistant ones were retained. Clones that passed the first round of selection were planted and evaluated as 20 hill plots in 2001. In each successive year evaluation plots increased in size and selection became more intensive, so that progressively fewer and fewer clones were retained. Traits which were evaluated most rigorously were the ability to chip directly from 44°F cold storage, freedom from internal and external physical defects, resistance to scab, resistance to the golden nematode, specific gravity, maturity, and yield.

'Lamoka' has been observed in seed multiplication plots for nine generations in one location (Mount Pleasant, near Ithaca, NY), as well as for six years in yield trials at Ellis Hollow and Harford, NY, and was determined to be uniform and stable from generation to generation with no evidence of variants.

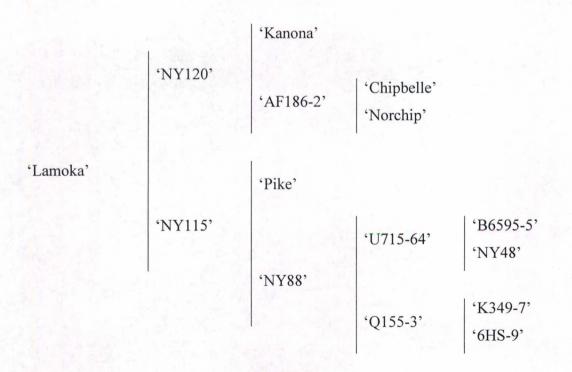


Exhibit B - Statement of Distinctness for Potato Cultivar 'Lamoka'

'Lamoka' is a chipping variety and because of its excellent chip color from cold storage, it is anticipated that it is most similar to the variety 'Snowden'.

'Lamoka' is most similar to 'Snowden'; however, 'Lamoka' has tubers that have a smooth skin texture, while the tubers of 'Snowden' have a netted skin texture. (Please see enclosed photos)

'Lamoka' is most similar to 'Snowden'; however, 'Lamoka' has purple-violet flowers (RHS 82A) with distinctive white tipped-petals, while 'Snowden' has flowers that are completely white (RHS 155B). (Please see enclosed photos)

'Lamoka' is most similar to 'Snowden'; however, 'Lamoka' is resistant to race Ro1 of the golden nematode (GN), while 'Snowden' is susceptible. ('Lamoka' has been tested for resistance to GN race Ro1 every year since 2001, and has never supported significant reproduction, more than five cysts per plant, while 'Snowden' typically produces 30 or more cysts per plant with the same assay)

Lamoka



Lamoka flowers are colored, with white-tipped petals

Snowden



Snowden flowers are white



Lamoka tubers have smooth skin



Snowden tubers have highly textured skin

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 8.5 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, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (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 to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (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

OBJECTIVE DESCRIPTION OF VARIETY

Potato (Solanum tuberosum L.)

INSTRUCTIONS

The Objective Description Form:

The objective description form lists characteristics to be used as the basis for developing the description of potato varieties. It is designed to guide the applicant in describing a variety in detail so a meaningful comparison with other potato varieties can be accomplished. It is recommended that this form be completed in as much detail as possible to ensure an accurate description. Please fill in the requested data and place the appropriate number that describes the varietal characters typical of this potato variety and the reference varieties in the respective boxes.

Test Guidelines:

Any statistical and trial (field test) data that may be necessary to support the variety description should be attached to this form. Please include for trial data the plot size, number of replications, number of plants, plant spacing, trial locations and growing periods. Trials should normally be conducted at one place, in the region that the variety has been adapted for, with a minimum of one growing period in the United States. All comparative data should be determined from varieties entered in the same trials. The size of the plots should be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made at the end of the growing period. As a minimum, each test should include a total of 60 plants which should be divided between two or more replicates. Separate plots for observation and measuring can only be used if they have been subject to similar environmental conditions. To determine color for a plant or plant parts a recognized standard color chart must be used such as the Royal Horticultural Society (RHS) Color Chart or Munsell Color Chart (MCC).

Reference Varieties:

The application variety should be compared to at least one reference variety preferably a set of reference varieties. The reference varieties should be market class standard varieties currently grown in the United States and or the variety (ies) most similar. The following varieties are recommended as market class standards to be used as reference varieties:

Yellow-flesh table-stock	Yukon Gold
Round-white table-stock	
Chip-processing	
Frozen-processing	
	Russet Burbank, Russet Norkotah, Goldrush
Red table-stock	Red Pontiac, Red Norland, Red Lasoda

If the applicant does not use one of the recommended reference varieties by the PVP office, a complete description of the reference variety should be submitted by the applicant (Exhibit C).

Exhibit C (Potato)

Characteristics:

Light sprout characteristics are supplied in **Figure 1**. The plant type and growth habit characteristics are collected at early first bloom. **Figure 2** is supplied to help visualize the growth habit. For this descriptor, look at the stems rather than the stems and foliage. Plant maturity is measured at natural vine senescence.

Stem characteristics are also collected at early bloom. Stem anthocyanin coloration is divided into two descriptors: Location and intensity. **Figure 3** is supplied to give an example of stem wings.

Leaf characteristics are observed at early first bloom. Fully-developed leaves located on the middle third of the plant should be used. Leaf public presence refers to general trichomes. Figure 4 is supplied for examples of leaf silhouette. Leaf stipules are shown in Figure 5 for visual definition. Figure 6 is supplied to define leaf characteristics. Figure 7 should be used to describe terminal and primary leaflet shape. Figures 8 and 9 are used to describe the terminal and primary leaflet spairs, collect 10 fully developed petioles (with leaves attached from each replication) and take the average number of secondary and tertiary leaflets. Glandular trichomes should be described in the Additional Comments and Characteristics (Descriptor 15).

Inflorescence characteristics should be measured at early first bloom. **Figures 10, 11 and 12** are supplied to describe anther and stigma shape, respectively. Corolla, calyx, anther, stigma, and pollen should be observed on newly opened flowers. Berry production should be based on field-grown plants rather than greenhouse plants.

Tuber characteristics should be observed following harvest. **Figures 13 and 14** are available to describe distribution of secondary color and tuber shape, respectively.

Disease and pest reactions should be based upon specific tests or statistical analysis rather than just field observations, rating 1 as Highly Resistance and 9 as Highly Susceptible, please follow the scale on each descriptor. Other diseases or pests reactions not requested can be described if it is felt that it would be helpful to determine novelty of the variety.

Quality characteristics should be described according to the market use.

If the plant is transgenic, this gene insertion(s) should be described.

Chemical identification and any other characteristics can be described if they are helpful in distinguishing the variety.

Legend:

V = Application Variety

R1-R4 = Reference Varieties

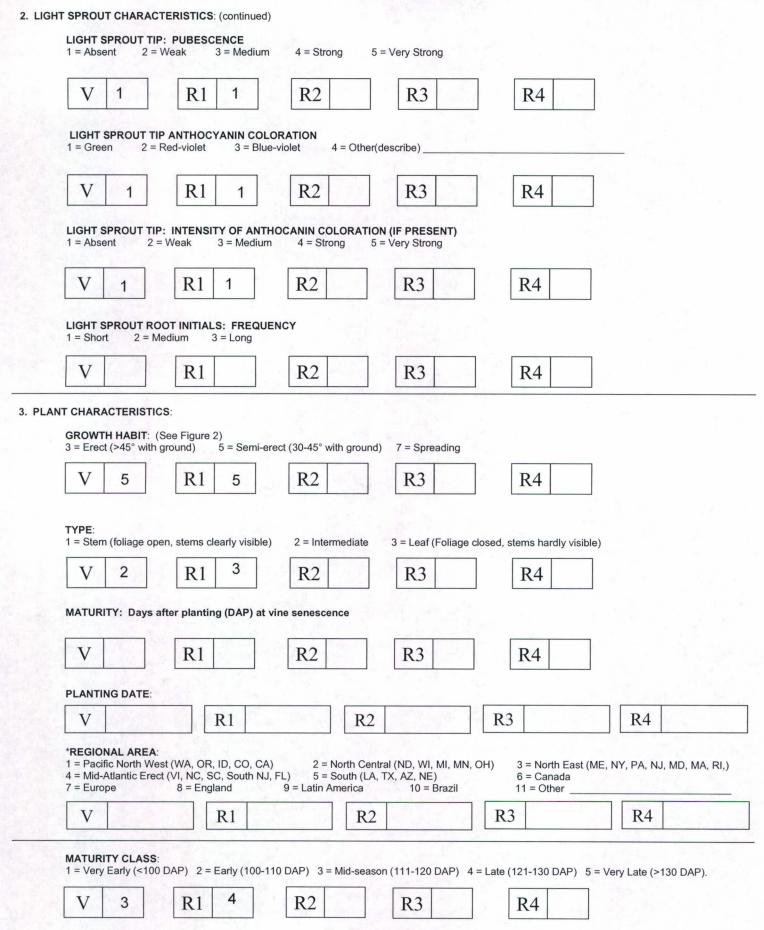
* = Both the reference variety (ies) and application variety must be described for characteristics designated with an asterisk.

NAME OF APPLICANT (S) Cornell Universi	ty		TEMPORARY OR	experimental designa	ATION	'Lamoka'				
Cornell Center 395 Pine Tree	DDRESS (Street and No. or RD No., City, State, Zip Code, and Country) Cornell Center for Technology Enterprise and Commercialization 395 Pine Tree Road, Suite 310 Ithaca, N.Y. 14850									36
	FERENCE VARIETIES: Enter the reference variety name in the appropriate box. Application Variety (V) Reference Variety 1 (R1) Reference Variety 2 (R2) Reference									
Application Variety	(V) Ref	ference Variety	1 (R1) Refere	ence Variety 2 (R2)	Reference Variet	y 3 (R3)	Refe	erence Va	ariety 4 (R	4)
'Lamoka'		Snowden'								
PLEASE READ ALL		NS CAREFULL	.Y:							
I. MARKET CHARACT *MARKET CI 1 = Yellow-fle 5 = Russet Ta	ASS:	2 = Round-wh Other	nite Tablestock 3 =	Chip-processing 4	= Frozen-processing					
V 3	F	R1 3	R2	R3	R4					
1 = Spherical		$\frac{3 = \text{Conica}}{R1}$	4 = Broad cylin	drica 5 = Narrow	cylindrical 6 = Oth	ner				
*LIGHT SPRC 1 = Absent	DUT BASE: PI 2 = Weak	UBESCENCE (3 = Medium	DF TIP 4 = Strong	5 = Very Strong						
V	4 R	81 3	R2	R3	R4					
* LIGHT SPR(1 = Green	2 = Red-violet		COLORATION olet 4 = Other(d	lescribe)	i. k					
V 2	R	.1 1	R2	R3	R4					
* LIGHT SPRC 1 = Absent	DUT BASE: IN 2 = Weak	TENSITY OF A 3 = Medium		ORATION (IF PRES 5 = Very Strong	ENT)					
V 3	R	.1 1	R2	R3	R4					
* LIGHT SPR 1 = Closed	OUT TIP: HAE 2 = Interme		Open							
V 1	R	1 1	R2	R3	R4					

Received July 1, 2009

Exhibit C (Potato)

Exhibit C (Potato)



СНАВА	CTERISTICS	Measure at early	first bloom			Exhibit
		Measure at early				
		NIN COLORATION ak 5 = Medium 7	: 7 = Strong 9 = Very Si	trong		
V	3	R1 1	R2	R3	R4	
V	3	KI '		KJ		
	VINGS: (See ent 3 = We		7 = Strong 9 = Very S	Strong		
V	5	R1 5	R2	R3	R4	
V						
CHARA	CTERISTICS					
LEAF C	OLOR: (Obs	serve fully developed	d leaves located on mid	Idle 1/3 of plant)		
			3 = Medium Green		ey-green 6 = Other	
V	3	R1 3	R2	R3	R4	
-						
LEAF C	OLOR CHAR	T VALUE: Royal I ped leaves located	Horticulture Society Col on middle 1/3 of plant a	lor Chart or Munsell Color and circle the appropriate	r Chart color chart)	
V	137A	R1 1374	R2	R3	R4	
V	1374	RI 137A				
LEAF P 1 = Abs	UBESCENCE ent 2 = Sp		m 4 = Thick 5 =	Heavy		
V	3	R1 3	R2	R3	R4	
	UBESCENCE					
1 = Non	e 2 = Sho	ort 3 = Medium	4 = Long 5 = Ve	ery Long		
V		R1	R2	R3	R4	
	escriptor #15			th of the glandular trichon	l l l l l l l l l l l l l l l l l l l	
(NOLE D	escriptor #10	can be used to des	cribe the type and lengt	an of the glandular thenon	103 00301 100.)	
		E: (See Figure 4)				
1 = Clos	sed $3 = M$	edium 5 = Oper	1			
V	3	R1 3	R2	R3	R4	
		YANIN COLORATI		- Von Strees		
1 = Abs	ent 3 = W	eak 5 = Medium	n 7 = Strong 9 =	= Very Strong		
V	1	R1 1	R2	R3	R4	
-						
	STIPULES SIZ	ZE : (Se Figure 5) mall 5 = Mediun	m 7 = Large			
V	5	R1 5	R2	R3	R4	
-		T SHAPE (See Figu				
TERMI			3 = Broadly Ovate	4 = Lanceolate 5 = Ellip	otical 6 = Obovate 7 = Oblon	g 8 = Other
TERMI			3 = Broadly Ovate	4 = Lanceolate 5 = Ellip	R4	g 8 = Other

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Exhibit C (Potato)

5. LEAF CHARACTERISTICS: (continued)

= Acute	2 = Cuspic	late	3 = Acu	minate 7	4 = Ot		= Other	r		_	
V 3		R1	3		R2		R3		R4		
TERMINAL = Cuneate	2 = Acut		SHAPE: = Obtuse		igure 9) = Cordate	5 = Tru	ncate 6 = Lo	bed 7 = C	Other		
V 3		R1	3]	R2		R3		R4]	
FERMINAL = Absent	LEAFLET			IESS: 4 = Me	dium 5	= Strong					
V 3		R1	3]	R2		R3		R4]	
UMBER OF	PRIMARY	LEAFL	ET PAIR	S : (See	e Figure 6))					
V 3.6]	R1	4.0		R2		R3		R4		
ANGE:											
V 3	to 4	R1	4	to	4	R2	to	R3	to	R4	to
IMARY LE	AFLET TIP	SHAPE	E' (See)	Figures							
	2 = Cuspida		= Acumin		4 = Obtus	e 5 = Of	R3		R4]	
V 3	2 = Cuspida	R1	= Acumi	nate][4 = Obtus	e 5 = 01	R3] [R4]	
Acute 2 V 3 PRIMARY L Very Small	2 = Cuspida	R1	= Acumii 3	nate][4 = Obtus		R3	[R4	R4	
Acute 2 V 3 PRIMARY L Very Small V X	EAFLET S 2 = Cuspida EAFLET S 1 2 = Sn 3 AFLET SH	R1	= Acumii 3 3 = Mediu R1	nate [um 2 3 res 6 an	4 = Obtus R2 4 = Large d 7)	5 = Very R2	R3				er
Acute 2 V 3 PRIMARY L Very Small V () X	EAFLET S 2 = Cuspida EAFLET S 1 2 = Sn 3 AFLET SH	R1	= Acumii 3 3 = Mediu R1	nate [um 2 3 res 6 an	4 = Obtus R2 4 = Large d 7)	5 = Very R2	R3				er
Acute 2 V 3 PRIMARY L Very Small V 2 RIMARY LE Narrowly c V 1 RIMARY LE	P = Cuspida EAFLET S I 2 = Sn 3 AFLET SH avate 2 =	R1 RI APE: (S Medium R1 SE SHA	3 = Mediu 3 = Mediu R1 See Figure ovate 2	nate (2 3 res 6 an 3 = Bro] ee Figure	4 = Obtus R2 4 = Large d 7) adly ovate R2	5 = Very R2 4 = Lanc	R3 Large ceolate 5 = EII R3	ptical 6 =	Ovate 7 = Ob R4		er
Acute 2 V 3 PRIMARY L Very Small V 2 RIMARY LE Narrowly c V 1 RIMARY LE	P = Cuspida EAFLET S I 2 = Sn 3 AFLET SH ovate 2 = I 2 = Acute	R1 RI APE: (S Medium R1 SE SHA	= Acumin 3 3 = Medin R1 See Figure ovate 2 APE: (See	nate (2 3 res 6 an 3 = Bro] ee Figure	4 = Obtus R2 4 = Large d 7) adly ovate R2 es 6 and 9	5 = Very R2 4 = Lanc	R3 Large	ptical 6 =	Ovate 7 = Ob R4		er
Acute 2 V 3 PRIMARY L 2 V 3 V 2 RIMARY LE. 3 V 1 RIMARY LE. 2 V 1 RIMARY LE. 3 V 3	P = Cuspida EAFLET S I 2 = Sn 3 AFLET SH ovate 2 = I 2 = Acute I 2 = Acute	R1 R1 APE: (S Medium R1 SE SHA a 3 = R1	 Acumin Acumi	nate [2 2 2 2 2 2 2 2 2 2	4 = Obtus R2 4 = Large d 7) adly ovate R2 es 6 and 9 cordate R2	5 = Very R2 4 = Lanc 5 = Trunca	R3 $x = 100$ $R3$ $R3$ $R3$	ptical 6 =	Ovate 7 = Ob R4		Ðr
Acute 2 V 3 PRIMARY LE V 2 RIMARY LE Narrowly c V 1 RIMARY LE Cuneate V 3 JMBER OF /ERAGE:	2 = Cuspida EAFLET S 1 2 = Sn 3 AFLET SH ovate 2 = (AFLET BA 2 = Acute SECONDA	R1 R1 APE: (S Medium R1 SE SHA 3 = R1 R1 RY ANI	 Acumin Acumi	nate [3 res 6 an 3 = Bro] : ee Figure 4 = C [ARY LE	4 = Obtus R2 4 = Large d 7) adly ovate R2 es 6 and 9 cordate R2	5 = Very R2 4 = Lanc 5 = Trunca	R3 $x = 100$ $R3$ $R3$ $R3$	ptical 6 =	Ovate 7 = Ob R4		Ðr
Acute 2 V 3 PRIMARY LE V 2 RIMARY LE Narrowly c V 1 RIMARY LE Cuneate V 3 JMBER OF /ERAGE:	2 = Cuspida EAFLET S 1 2 = Sn 3 AFLET SH ovate 2 = (AFLET BA 2 = Acute SECONDA	APE: (S Medium R1 SE SHA 3 = R1 R1	Acumin Acumin	nate [2 2 2 2 2 2 2 2 2 2	4 = Obtus R2 4 = Large d 7) adly ovate R2 es 6 and 9 cordate R2 AFLET PA	5 = Very R2 4 = Lanc 5 = Trunca	[R3] $(Large)$ $(Earge)$ $(Earge)$ $(Earge)$ $(Earge)$ $(Earge)$ $(Earge)$ $(Earge)$ $(Earge)$ $(Earge)$	ptical 6 =	Ovate 7 = Ob R4		er

Exhibit C (Potato)

5. LE

V		R1			R2	5	R3		R4			
RANGE	L]	L		I								
V	to	R		to		R2	to	R3	to		R4	to
NUMBE	GE:	S/INFLO	RESCE	INCE:								
V	12.2	R1	6.1		R2		R3		R4			
DANCE		1.1				02						
RANGE V	10 to 14	R	1 3	to	8	R2	to	R3	to		R4	to
	The Parts		a di			Later in	She to					
* CORC	DLLA INNER SI newly open flow	URFACE	COLOF	R CHART	VALUE	Royal Hor	ticulture Socie	ety Color Cha	rt or Munse	Il Color C	hart (Measure	e predom
		—] [-]						
V	82A		R1	155B	16	R2	1.4.1.1.1	ŀ	3		R4	
* CORC color of	LLA OUTER S	WRFACE	COLO	R CHAR	T VALUE	E: Royal Ho	orticulture Soc	iety Color Ch	art or Muns	ell Color (Chart (Measu	re predo
color of	newly open flov	wer and c	ircle the	appropri	ate color	chart)		R	art or Muns	ell Color (Chart (Measu	re predo
color of	82A 82A 0LLA INNER SU	URFACE	R1	appropri 155B R: (Meas ie-violet	ate color	r chart) R2		en flower)				re predo
V * CORC 1 = Wh	82A 82A 0LLA INNER SU	URFACE	R1 COLOF 3 = Blu	appropri 155B R: (Meas ie-violet	ate color	r chart) R2	or of newly op	en flower)	3		R4	re predo
<pre>color of V * CORC 1 = Wh 9 = Purp V COROL</pre>	Newly open flow 82A DLLA INNER SI ite 2 = Red- ole 10 = Vio	URFACE -violet let R1	$\begin{array}{c} \textbf{R1} \\ \textbf{COLOF} \\ \textbf{3} = \textbf{Blu} \\ \textbf{11} = \textbf{0} \\ \textbf{1} \\ \textbf{e} \textbf{10} \end{array}$	appropri	sure pred 4 = Crr R2	lominant cole	or of newly op Red-purple	en flower)	3 7 = Pink		R4	re predoi
<pre>color of V * CORC 1 = Wh 9 = Purp V COROL</pre>	Newly open flow 82A NULLA INNER SI ite 2 = Red- ble 10 = Vio 3 LA SHAPE: (S	URFACE -violet let R1	$\begin{array}{c} \textbf{R1} \\ \textbf{COLOF} \\ \textbf{3} = \textbf{Blu} \\ \textbf{11} = \textbf{0} \\ \textbf{1} \\ \textbf{e} \textbf{10} \end{array}$	appropri	sure pred 4 = Crr R2	lominant cole	or of newly op Red-purple	en flower)	3 7 = Pink		R4	re predoi
V * CORC 1 = Wh 9 = Purp V COROL 1 = Very	Newly open flow 82A NLLA INNER SI ite 2 = Red- ole 10 = Vio 3 LA SHAPE: (S y rotate 2 = R 3	URFACE -violet let R1 See Figure Rotate	R1 COLOF 3 = Blu 11 = 0 1 e 10) 3 = Pent 2	appropri	sure pred 4 = Crr R2 4 = Sen	lominant cole	or of newly op Red-purple R3 5 = Stellate	en flower)	3 7 = Pink R4		R4	re predoi
v * CORC 1 = Wh 9 = Purp V COROL 1 = Very V RESCEI	newly open flov 82A DLLA INNER SI ite 2 = Red- ole 10 = Vio 3 LA SHAPE: (S y rotate 2 = R 3 NCE CHARAC	VRFACE -violet let R1 See Figure Rotate	R1 COLOF 3 = Blu 11 = 0 1 e 10) 3 = Pent 2 CS:	appropri	sure pred 4 = Crr R2 4 = Sen	lominant cole	or of newly op Red-purple R3 5 = Stellate	en flower)	3 7 = Pink R4		R4	re predoi
v * CORC 1 = Wh 9 = Purp V COROL 1 = Very V RESCEI	newly open flov 82A DLLA INNER SI ite 2 = Red- ble 10 = Vio 3 LA SHAPE: (S y rotate 2 = R 3 NCE CHARAC ANTHOCYANI	URFACE -violet let R1 See Figure R0tate 3 R1 TERISTIC	R1 COLOF 3 = Blu 11 = 0 1 e 10) 3 = Pent 2 CS:	a appropri 155B a: (Meas ie-violet ther tagonal	sure pred 4 = Crr R2 4 = Sen R2	lominant cole	or of newly op Red-purple R3 5 = Stellate R3	en flower)	3 7 = Pink R4		R4	re predoi
COROL COROL COROL 1 = Veny V COROL 1 = Veny COROL 1 = Veny CALYX 1 = Abso	newly open flov 82A PLLA INNER SI ite 2 = Red- ole 10 = Vio 3 LA SHAPE: (S y rotate 2 = R 3 NCE CHARAC ANTHOCYANI ent 3 = Wea	URFACE -violet let R1 See Figure R0 R1 TERISTIC k 5 = 1	$\begin{array}{c} \text{R1} \\ \hline \text{COLOF} \\ 3 = \text{Blu} \\ 11 = 0 \\ \hline 1 \\ e = 10) \\ 3 = \text{Pent} \\ \hline 2 \\ \hline \text{CS:} \\ \hline \text{RATION} \end{array}$	a appropri 155B a: (Meas ne-violet ther tagonal tagonal	sure pred 4 = Cr R2 4 = Sen R2 trong	ni-stellate	or of newly op Red-purple R3 5 = Stellate R3 ong	en flower)	3 7 = Pink R4 R4		R4	
COROL COROL COROL 1 = Veny V COROL 1 = Veny COROL CALYX	newly open flov 82A DLLA INNER SI ite 2 = Red- ble 10 = Vio 3 LA SHAPE: (S y rotate 2 = R 3 NCE CHARAC ANTHOCYANI	URFACE -violet let R1 See Figure R0tate 3 R1 TERISTIC	R1 COLOF 3 = Blu 11 = 0 1 e 10) 3 = Pent 2 CS: RATION Medium	a appropri 155B a: (Meas ne-violet ther tagonal tagonal	sure pred 4 = Crr R2 4 = Sen R2	ni-stellate	or of newly op Red-purple R3 5 = Stellate R3	en flower)	3 7 = Pink R4		R4	re predoi
COROL COROL COROL 1 = Vh 9 = Purp V COROL 1 = Very V RESCEI CALYX 1 = Abso V ANTHE	newly open flov 82A PLLA INNER SI ite 2 = Red- ole 10 = Vio 3 LA SHAPE: (S y rotate 2 = R 3 NCE CHARAC ANTHOCYANI ent 3 = Wea	VRFACE -violet let R1 See Figure R0 R1 TERISTIC k 5 = 1 R1	R1 COLOF 3 = Blu 11 = 0 1 e 10) 3 = Pent 2 CS: RATION Medium 1 UE: Rc	a appropri 155B a (Meas be-violet ther a (Meas be-violet ther b (Meas be-violet ther c (Meas be-violet ther c (Meas be-violet ther ther c (Meas be-violet	ate color sure pred 4 = Crn R2 4 = Sen R2 trong R2	9 = Very str	or of newly op Red-purple	een flower) 6 = Blue	3 7 = Pink R4 R4 R4	8 = PI	IR4	
COROL COROL COROL 1 = Vh 9 = Purp V COROL 1 = Very V RESCEI CALYX 1 = Abso V ANTHE	newly open flow 82A ALLA INNER SI ite 2 = Red- ole 10 = Vio 3 ALA SHAPE: (S y rotate 2 = R 3 NCE CHARAC ANTHOCYANI ent 3 = Wea 5 R COLOR CHA	VRFACE -violet let R1 See Figure R0 R1 TERISTIC k 5 = 1 R1	R1 COLOF 3 = Blu 11 = 0 1 e 10) 3 = Pent 2 CS: RATION Medium 1 UE: Rc	a appropri 155B a (Meas be-violet ther b (Meas be-violet ther c (Meas be-	ate color sure pred 4 = Crn R2 4 = Sen R2 trong R2	9 = Very str	or of newly op Red-purple	een flower) 6 = Blue	3 7 = Pink R4 R4 R4	8 = PI	IR4	

6.	INFL	ORESCENCE	CHARACTERISTICS:	continued

V	5	R1	2	R2		R3	R4	
	A SHAPE: (See itate 2 = Cla	e Figure avate	12) 3 Bi-lol	bed				
V	1	R1	1	R2		R3	R4]
STIGMA	COLOR CHA	ART VAL	UE: Ro	oyal Horticulture So	ciety Color C	Chart or Munsel Co	olor Chart (Circle the appr	ropriate color chart)
V	146A		R1	147A	R2		R3	R4
	PRODUCTIO							
1 = Abse	ent 3 = Lo	w 5:	= Modera	ate 7 = Heavy	9 = Very	R3	R4	٦
v	-	KI	-			K3		
V	4	R1	4	R2		R3	R4	
		L				1.2.1		Circle the appropriate colo
	MINANT SKIN 161A Dary skin c		R1	TVALUE: Royal Ho	Porticulture Sr R2	1.2.1	or Munsell Color Chart (C	
PREDOI V SECONI	MINANT SKIN 161A DARY SKIN C ent 2 = Pr		R1	TVALUE: Royal Ho	R2	1.2.1	pr Munsell Color Chart (0	R4
V SECONI I = Abse V	MINANT SKIN 161A DARY SKIN C ent 2 = Pr 1	COLOR:	R1	r VALUE: Royal Ho 161A escribe)	R2 R2	cciety Color Chart	pr Munsell Color Chart (0	R4 R4
V SECONI I = Abse V SECONI	MINANT SKIN 161A DARY SKIN C ent 2 = Pr 1	COLOR:	R1	r VALUE: Royal Ho 161A escribe)	R2 R2	cciety Color Chart	pr Munsell Color Chart (C R3 R3 R3	R4
V SECONI I = Abse V	MINANT SKIN 161A DARY SKIN C ent 2 = Pr 1	COLOR:	R1	r VALUE: Royal Ho 161A escribe)	R2 R2	cciety Color Chart	pr Munsell Color Chart (0	R4 R4
PREDOI V SECONI I = Abse V SECONI	MINANT SKIN 161A DARY SKIN C 2 = Pr 1 DARY SKIN C DARY SKIN C	COLOR: COLOR: resent (p COLOR C COLOR C	R1 R1 chart v R1 R1	VALUE: Royal Ho 161A escribe) 1 /ALUE: Royal Hor JTION: (See Figure	R2 R2 ticulture Soc R2 13)	ciety Color Chart	pr Munsell Color Chart (C R3 R3 R3	R4
PREDOI V SECONI I = Abse V SECONI	MINANT SKIN 161A DARY SKIN C 2 = Pr 1 DARY SKIN C DARY SKIN C	COLOR: COLOR: resent (p COLOR C COLOR C	R1 R1 CHART Delease d R1 CHART V R1 ISTRIBU	VALUE: Royal Ho 161A escribe) 1 /ALUE: Royal Hor JTION: (See Figure	R2 R2 ticulture Soc R2 13)	ciety Color Chart	pr Munsell Color Chart (C R3 R3 R3 r Munsell Color Chart (Cir R3	R4
PREDOI V SECONI I = Abse V SECONI I = Eyes	MINANT SKIN 161A DARY SKIN C 2 = Pr 1 DARY SKIN C DARY SKIN C	COLOR: COLOR: resent (p COLOR C COLOR D COLOR D OWS 3	R1 R1 CHART Delease d R1 CHART V R1 ISTRIBU	TVALUE: Royal Ho 161A escribe) 1 /ALUE: Royal Hor UTION: (See Figure shed 4 = Scatter)	R2 R2 ticulture Soc R2 13)	ciety Color Chart	pr Munsell Color Chart (C R3 R3 R3 r Munsell Color Chart (Cir R3 Stippled 7 = Other _	R4
	MINANT SKIN 161A DARY SKIN C ent 2 = Pr 1 DARY SKIN C S 2 = Eyebr	COLOR: COLOR: resent (p COLOR C COLOR D COLOR D OWS 3	CHART R1 Delease d R1 HART V R1 ISTRIBU 3 = Splas	VALUE: Royal Ho 161A escribe) 1 VALUE: Royal Hor UTION: (See Figure shed 4 = Scatter R2	R2 ticulture Soc R2 13) red 5 =	ciety Color Chart	pr Munsell Color Chart (0) R3 R3 r Munsell Color Chart (Cir R3 Stippled 7 = Other R4	R4 R4 rcle the appropriate color

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TT		D1		DO		DO		D4		
V	2	R1 :	2	R2		R3		R4		
TUBER 1 1 = Rour	THICKNESS: nd 2 = Mediu	im thick	3 = Slightly fl	attened	4 = Flatte	ened 5 = (Other			
V	2	R1 2	2	R2		R3		R4		
	LENGTH (mm):									
AVERAG					-	— —	-		-	
V	80	R1	76	R2		R3		R4		
RANGE:			· · · · ·			1				
V	65 to 11	5 R1	64 to	91	R2	to	R3	to	R4	to
STANDA	ARD DEVIATIO	N:								
V	9.9	R	7.7		R2	1.15	R	3	R4	
AVERAG			1							
			000		DO	192 - C		2		
V	220g	R	220g		R2	the second	R	.3	R4	
TUBER	WIDTH (mm)									
AVERAG	GE:					1. F. 3				
V	73	R1 75	5	R2		R3		R4		
RANGE:				1.						
V	60 to 99	R1	64 to	91	R2	to	R3	to	R4	to
STANDA	ARD DEVIATIO	N:								
V	7.6	R	6.6	6	R2		R	3	R4	

Exhibit C	(Potato)
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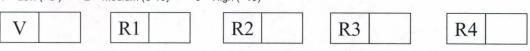
7. TUBER CHARACTER	RISTICS: (continued
--------------------	---------------------

ER CHARACTERISTICS: (continued)	
TUBER THICKNESS (mm):	
AVERAGE:	
V 57 R1 57 R2	R3 R4
RANGE:	
V 45 to 72 R1 50 to 68 R2	to R3 to R4 to
STANDARD DEVIATION:	
V 5.2 R1 4.1 R2	R3 R4
AVERAGE WEIGHT OF SAMPLE TAKEN (g):	
V 220 R1 220 R2	R3 R4
TUBER EYE DEPTH:	
1 = Protruding 3 = Shallow 5 = Intermediate 7 = Deep	9 = Very deep
V 5 R1 5 R2	R3 R4
TUBER LATERAL EYES:	
1 = Protruding 3 = Shallow 5 = Intermediate 7 = Deep 9	9 = Very deep
V 3 R1 5 R2	R3 R4
NUMBER EYE/TUBER:	
AVERAGE:	
V R1 R2	R3 R4
RANGE:	
V to R1 to 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 1 R1 1 R2	R3 R4

Exhibit C (Potato)

7. TUBER CHARACTERISTICS: (continued)

V 1	R1	1	R2	R3	R4	
MARY TUBER FLES	H COLOR CHA	ART VALUE: Roy	al Horticulture Society	Color Chart or Munsell Color C	chart (Circle the appropri	iate color
V 158A	R1	158A	R2	R3	R4	1
Absent 2 = Pre	sent, please de	escribe:	R3	R4		
Absent 2 = Pre			R3	R4		
V 1	R1 1	escribe:		ety Color Chart or Munsell Col	or Chart (Circle the appr	ropriate c



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

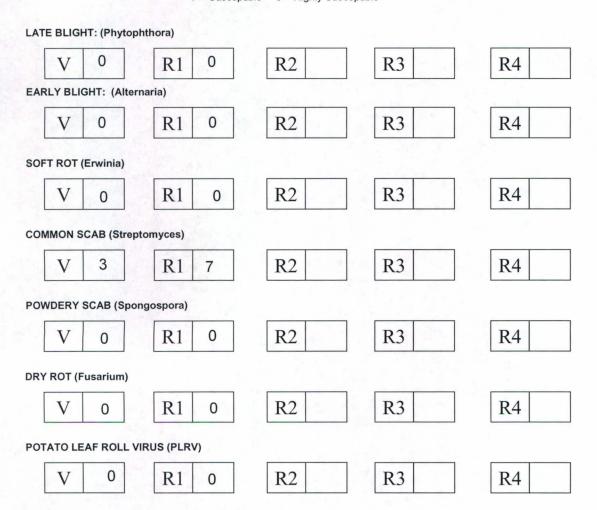
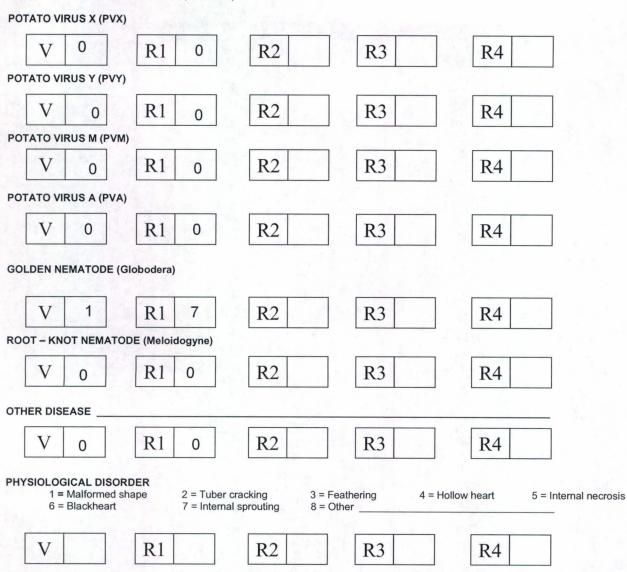


Exhibit C (Potato)

8. DISEASES CHARACTERISTICS: (continued)



9. PESTS CHARACTERISTICS:

 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

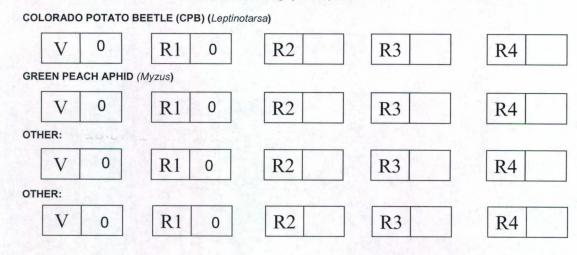


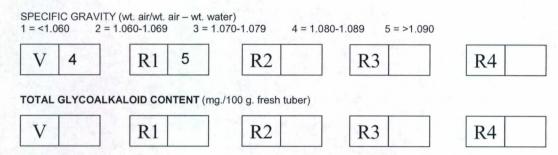
Exhibit C (Potato)

INSERTION OF GENES: 1 = YES 2 = NO 2 IF YES, describe the gene(s) introduced or attach information

11. QUALITY CHARACTERISTICS:

10. GENE TRAITS:

CHIEF MARKET:



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	2

IF YES, attach information

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

IF	YE	ES,	att	ach	in	for	ma	tion	۱
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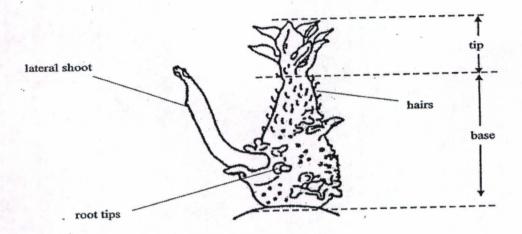
15. ADDDITIONAL COMMENTS AND CHARACTERISTICS:

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

Exhibit C (Potato)

Figure 1: Light sprout

Light sprout dissection



Light sprout shape





2 ovoid

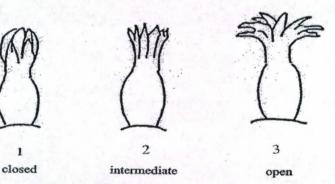






4 5 broad cylindrical narrow cylindrical

Light sprout tip habit



The characteristic should be observed after about 10 weeks to obtain a good differentiation in the collection.

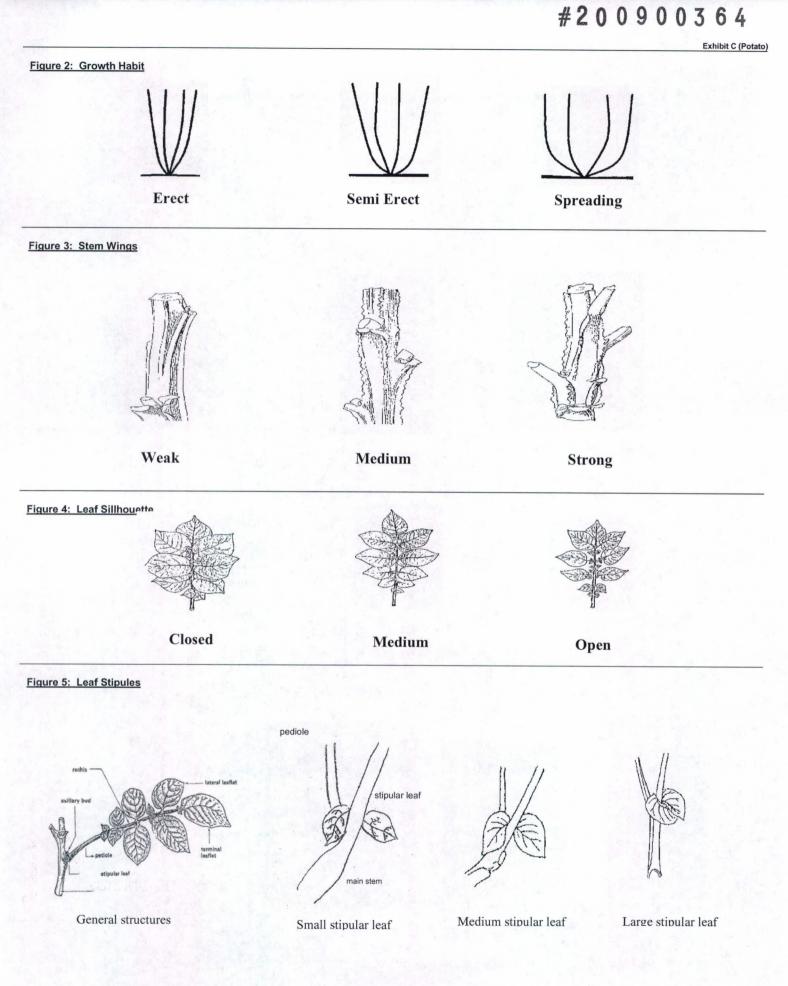
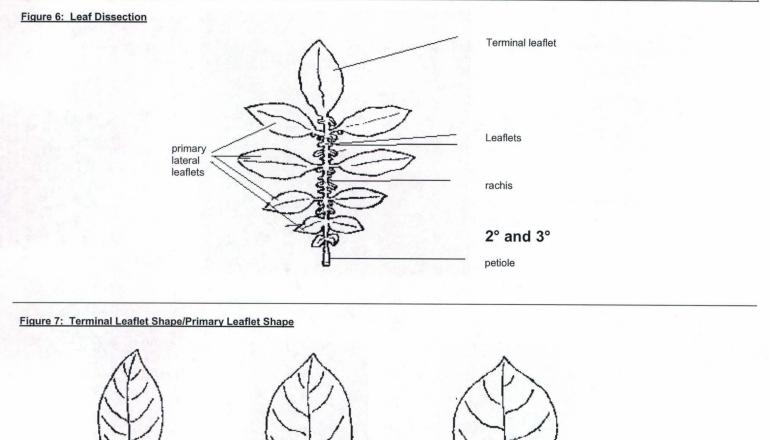


Exhibit C (Potato)



Narrowly Ovate





Lanceolate

Elliptical

Medium Ovate

Broadly Ovate



Obovate

Oblong

Figure 8: Terminal Leaflet Shape of Tip/Primary Leaflet Shape of Tip







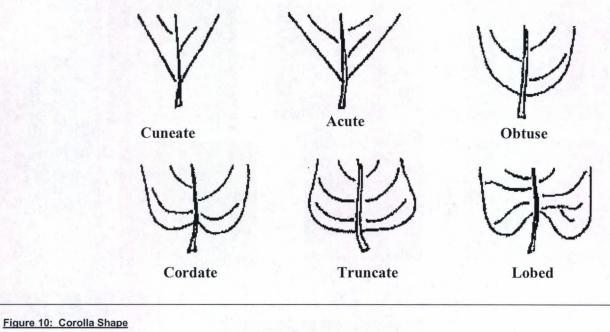
Acuminate

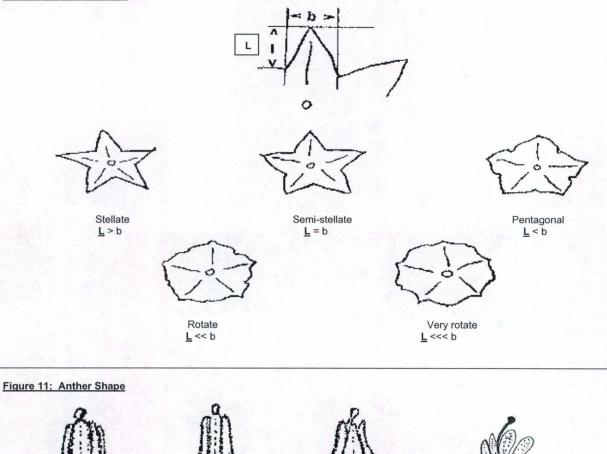


Obtuse

Exhibit C (Potato)

Figure 9: Terminal Leaflet Shape of Base/Primary Leafelet Shape of Base



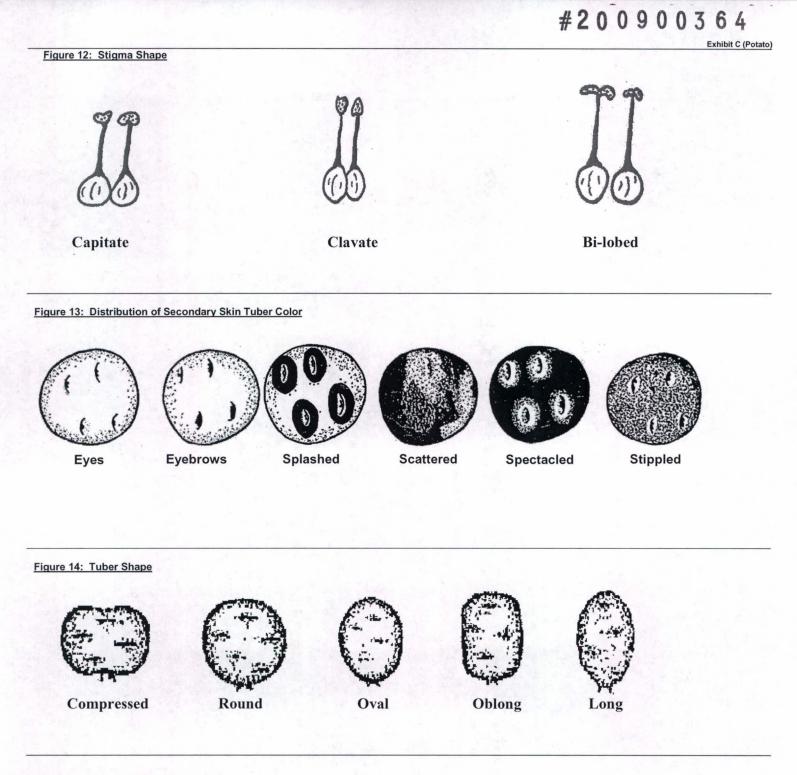


Loose

Broad cone

Pear-shape cone Narrow cone

ST-470-67 (02-06) designed by the Plant Variety Protection Office using Microsoft Word 2003.



References:

Huaman, Z. 1986. Systematic botany and morphology of the potato. Technical information Bulletin 6. International Potato Center, Lima, Peru.

Huaman, Z., Williams, J.T., Salhuana, W. and Vincent, L. Descriptors for the cultivated potato and the maintenance and distribution of germplasm collections. 1977. International Board for Plant Genetic Resources. Rome, Italy.

Potato (*Solanum tuberosum* L.) Guidelines for the conduct of tests for distinctness, uniformity and stability. International union for the protection of new varieties of plants (UPOV). 2004-03-31.

Received July 1, 2009

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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 det certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issu	421). The information is held		
1. NAME OF APPLICANT(S) Cornell University	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER 'NY139', 'Y28-9'	3. VARIETY NAME 'Lamoka'		
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)		
Cornell Center for Technology Enterprise and Commercialization	(607) 255-9869	(607) 255-9048		
395 Pine Tree Road, Suite 310 Ithaca, N.Y. 14850	7. PVPO NUMBER #200900364			
8. Does the applicant own all rights to the variety? Mark an "X" in the variety?	ne appropriate block. If no, please expla	ain. X YES NO		
9. Is the applicant (individual or company) a U.S. national or a U.S.	based company? If no, give name of c	ountry. X YES NO		
10. Is the applicant the original owner? X YES	NO If no, please answer <u>one</u>	of the following:		
 a. If the original rights to variety were owned by individual(s), is YES b. If the original rights to variety were owned by a company(ies YES 11. Additional explanation on ownership (<i>Trace ownership from orig</i> Applicant is a University where breeders/employees of the the University. 	NO If no, give name of count s), is (are) the original owner(s) a U.S. ba NO If no, give name of count ginal breeder to current owner. Use the r	ry ased company? ry reverse for extra space if needed):		
PLEASE NOTE:				
Plant variety protection can only be afforded to the owners (not licer	nsees) who meet the following criteria:			
1. If the rights to the variety are owned by the original breeder, that national of a country which affords similar protection to nationals				
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a genus and species.				
3. If the applicant is an owner who is not the original owner, both the	e original owner and the applicant must r	neet one of the above criteria.		
The original breeder/owner may be the individual or company who c Act for definitions.	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 sponso control number. The valid OMB control number for this information collection is 0581-005/ including the time for reviewing the instructions, searching existing data sources, gathering The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and status, familial status, parental status, religion, sexual orientation, genetic information, poli program (Not all prohibited bases apply to all programs.) Persons with disabilities who require should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).	5. The time required to complete this information colle g and maintaining the data needed, and completing an activities on the basis of race, color, national origin, a tical beliefs, reprisal, or because all or part of an indivi	Action is estimated to average 0.1 hour per response, ad reviewing the collection of information. age, disability, and where applicable, sex, marital dual's income is derived from any public assistance		

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer. ST-470E (02-06) designed by the Plant Variety Protection Office using Word 2003

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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) Cornell University	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) Cornell Center for Technology Enterprise and	TEMPORARY OR EXPERIMENTAL DESIGNATION 'NY139' and 'Y28-9'		
Conten Oniversity	Commercialization 395 Pine Tree Road, Suite 310 Ithaca, New York 14850	VARIETY NAME 'Lamoka'		
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY		
Jondle & Associates, P.C. Attn: Barbara Campbell, Esq.	858 Happy Canyon Road Suite 230 Castle Rock, Colorado 80108	PVPO NUMBER #200900364		

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

June 12, 2009

Date

Alan Paau, Vice Provost and Executive Director

Cornell Center for Technology Enterprise & Commercialization (CCTEC)