



*Potato Field Day 2016*

*25th Anniversary*

*Texas Potato Breeding and  
Variety Development Program*

*Thursday, July 21, 2016*

*Texas A&M AgriLife Research  
Department of Horticultural Sciences  
Texas A&M University*

*Cooperator: Springlake Potato Sales, Inc.*

# **2016 Field Day Handbook**

## **Texas Potato Breeding and Variety Development Program**

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Department of Horticultural Sciences



Texas A&M University

July 21, 2016

Hosted by Springlake Potato Sales, Inc.

Bruce Barrett

Steve Barrett

Tim Gonzalez

**Funds Received to Support  
The Texas Potato Variety Development Program  
July 1, 2015- June 30, 2016**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$50,000
Potatoes USA Grant for National Chip Breeders Trial – Texas	\$10,000
Potatoes USA Grant for Zebra Chip Evaluations	\$10,000
Royalty returned to program	\$125,000
Director’s office AgriLife Research	\$25,000
Evaluation of Texas Potato Cultivars/Selections for Tolerance/Resistance to Lso Infection	\$22,727
Evaluation of Potato Germplasm for Tolerance/Resistance to Lso Infection	\$12,625
	<b>\$255,352</b>

**Expected July 1, 2016 – June 30, 2017:**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$73,500
Potatoes USA Grant for National Chip Breeders Trial – Texas	\$10,000
Potatoes USA Grant for Zebra Chip Evaluations	\$10,000
Royalty Returned to Program (Estimated)	\$90,000
Director’s Office AgriLife Research	\$25,000
Establish bridges for a collaborative potato breeding effort between TAMU and INIFAP Toluca	\$13,000
	<b>\$221,500</b>

**In-kind support:**

Springlake Potato Sales (Bruce Barrett, Steve Barrett, Tim Gonzalez, and Cliff Black)	\$40,000
CSS Farms (Milt Carter, Steve Gangwish, Grant Monie, Jerry Henderson, Lucilla Carpio, John Scheuring, Adam Naslund, Kelly Kuball, Liz Sanders, and Brian Zens)	\$40,000
	<b>\$80,000</b>

**The Texas Potato Variety Development Program Team:**

Creighton Miller – Project Director

Jeff Koym – Senior Research Associate

Douglas Scheuring – Senior Research Associate

Julien Levy – Post Doctoral Research Associate

Yasin Karan – Visiting Scientist from Gaziosmanpaşa Üniversitesi, Turkey

Sean Thompson – Post Doctoral Research Associate

Angel Chappell – Technical Assistant II/Lab Manager

Sam Vigue – Graduate Student

Sydnee Coates, Liz Vielma, Jackie Amador, and Tyler Roberts - Student Workers



## Texas Potato Variety Development Program 2016 Trials

Location	Trial	Planted
Springlake	Spacing-Fertility (5)	4/7/16
	Western Region Russet (21)	4/7/16
	Texas Advanced Selection Russets (10)	4/7/16
	Glycol (15)	4/7/16
	Field Day Red/Specialty (90)	3/31/16
	Western Region Red (7)	4/2/16
	Texas Advanced Selection Red (9)	4/2/16
	Field Day Russets/Chip (120)	3/31/16
	Western Region Red/Yellow (5)	4/2/18
	Texas Advanced Selection Purple Skin Purple Flesh (3)	4/2/18
	Texas Advanced Selection Red/Yellow Flesh (4)	4/2/18
	Texas Advanced Selection Fingerling (5)	4/2/18
	Texas Advanced Selection Small Potatoes (23)	4/2/18
	Western Region White/Yellow (15)	4/2/18
	Texas Advanced Selection White Skin Yellow Flesh (4)	4/2/18
	Western Region Chip (36)	4/3/16
	Texas Advanced Chip Selection (46)	4/4/16
	Ron French Pesticide Trial (16)	4/5/16
	Commercial Specialty (8)	4/5/16
	Maturity Study (20)	4/7/16
	<b>Total Entries            446</b>	
Dalhart	French (16)	5/6/16
	15SEL (276)	5/3/16
	National Chip (154)	5/4/16
	15SELChip (196)	5/4/16
	Western Region Chip (32)	5/4/16
	Texas Advanced Chip Selections (90)	5/4/16
	Commercial Specialty (8)	5/5/16
	Western Region Red (8)	5/5/16
	Texas Advanced Red Selections (13)	5/5/16
	Western Region Red/Yellow (7)	5/5/16
	Texas Advanced Red/Yellow Selections (6)	5/5/16
	Western Region White/Yellow (13)	5/5/16
	Texas Advanced White/Yellow Selections (5)	5/5/16
	Texas Advanced Purple Flesh Selections (4)	5/5/16
	Texas Advanced Small Selections (34)	5/5/16
	Texas Advanced Fingerling Selections (12)	5/5/16
	Western Region Russet (24)	5/5/16
	Texas Advanced Russet Selections (14)	5/5/16
	<b>Total Entries            887</b>	

## Seedlings for Selection in Texas - 2016

### Seedlings planted at Springlake

Source	Families	Total Planted
Oregon	158	25,000
Colorado	47	8,161
Aberdeen	166	17,719
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Total	205	33,161

### Seedlings planted at Dalhart

Source	Families	Total Planted
Colorado	54	8,255
Texas	65	15,216
Texas mini tubers	12	1,777
Aberdeen	57	7,752
North Dakota	70	8,659
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Total	258	41,659

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**Grand Total – 74,820** seedlings from 463 families (crosses) were planted in 2016.

## 2016 Field Day Trial in Entry Order

### Red, Red Yellow Flesh, Specialty Selections/Varieties

#### Red Skin White Flesh

**Chieftan (001)**-Round Red. Parentage (IA1027-18 X IA1354). Cross was made and selected at Iowa State University.

Uses: fresh

Strength: nice shape

Weakness: deep eyes, light skin some IBS, rough, poor internals light skin color

**Red LaSoda (002)**-Oblong Red. Parentage (Triumph X Katahdin). Cross was made and selected in Louisiana. Red LaSoda is a clonal selection from LaSoda made by Louisiana State University. Medium maturity. Medium-large vine size. Purple flower color.

Uses: fresh

Strength: nice yield nice, yield nice skin color

Weakness: deep eyes, some brown center, some feathering rough,

**COTX00104-6R (003)**-Red. Parentage (ND3574-5R X C086218-2). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

**NDC081655-1R (004)**-Red. Parentage (ND059809C-2P X ND059823-1R). Cross was made in North Dakota and selected in Colorado.

Uses: fresh

Strength:

Weakness:

**NDTX5438-11R (005)**-Round Red. Parentage (ND4339-10R X ND4269-9R). Cross was made in North Dakota and selected in Texas. Late maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength: nice dark skin, BOT-, nice shape nice shape and flesh, nice skin color, BOT-,

Weakness: deep eyes, low yield, tuber moth

**CO00277-2R (006)**-Red. Parentage (Colorado Rose X CO94065-2R). Cross was made and selected in Colorado.

Uses: fresh

Strength:

Weakness:

**CO99256-2R (007)**-Red. Parentage (Rio Colorado X Colorado Rose). Cross was made and selected in Colorado.

Uses: fresh

Strength:

Weakness:

**ATX98453-6R (008)**-Round Red. Parentage (A93490-1R X A91846-5R). Cross was made in Aberdeen, tuberling produced in Texas and selected in Texas. Late maturity. Medium-large vine size. Lavender flower color.

Uses: fresh

Strength: very nice, BOT, nice shape and skin

Weakness: virus, light set low yield

**ATX08121-5R (009)**-Red. Parentage (A02267-5PY X CO98012-5R). Cross was made in Aberdeen and selected in Texas.

Uses: fresh

Strength:

Weakness:

**BTX2332-1R (010)**-Oblong Red. Parentage (B1523-4 X Super Red Norland). Cross was made in Beltsville, MD and selected in Texas. Medium maturity. Large vine size. Lavender flower color

Uses: fresh

Strength: nice shape and skin nice, BOT, BOT++, uniform, yield+, uniform, very nice,

Weakness: feathering internal??

**COTX07054-2R (011)**-Oblong Red. Parentage (ATDC9801-3P X CO99076-6R) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice skin color good skin set heavy set, yield+, nice shape

Weakness: feathering small+

**NDTX050070-1R (012)**-Round Red. Parentage (ND 8375b-6R X ND 8347CB-12R). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice skin color, BOT, nice shape heavy set, good skin set

Weakness: some feathering

**NDTX050169-1R (013)**-Oblong Red Parentage (ND 028577-6RY X ND 8555-8R). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: smooth skin finish, nice color, check tuber count nice flesh

Weakness: light set light skin

**NDTX092231C-1R (014)**-Round Red. Parentage (ND 049326C-2P X AND 00272-1R) Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice skin finish good skin set heavy set

Weakness: some pointing, poor shape+, too oblong, shape? More oblong

**NDTX4784-7R (015)**-Round Red. Parentage (ND3574-5R X ND2050-1R). Cross was made in North Dakota and selected in Texas. Early maturity. Medium vine size. Lavender flower color

Uses: fresh

Strength: yield++, BOT, nice shape nice skin color and shape good skin set

Weakness: not as nice, low yield



**ATTX05186-2R (016)**-Red. Parentage (A99433-5Y X VC1075-1R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

### **Red Skin Yellow Flesh**

**AC03534-2R/Y (017)**-Oval Red. Parentage (ATA98472-2Y X Mazama). Cross was made in Aberdeen and selected in Colorado. Medium maturity. Medium-large vine size. Purple flower color.

Uses: fresh

Strength:

Weakness:

**AC05175-3P/Y (018)**-Oval Purple. Parentage (A99331-2R/Y X COA99261-1RY). Cross was made in Aberdeen and selected in Colorado. Very early maturity. Small vine size. Dark purple flower color.

Uses: fresh

Strength: BOT for P/Y nice size, good skin set, very nice skin smooth, nice flesh and skin

Weakness: some feathering, light flesh stem attachment small silver scurf, rough, deep eyes.

**ATTX98514-1R/Y (019)**-Oblong Red/Yellow. Parentage (T51YF X A93456-6R). Cross was made in Aberdeen, tuberling produced in Texas and selected in Texas.

Uses: fresh

Strength: good skin set, nice shape, nice flesh nice dark yellow flesh

Weakness: drop for internals, light skin, Poor internals, hollow heart++

**CO05035-1PW/Y (020)**-Oblong Purple-White. Parentage (Masquerade X US147-96). Cross was made and selected in Colorado. Medium maturity. Large vine size. Red-purple flower color.

Uses: fresh

Strength: pinto heavy set nice flesh

Weakness: drop, too small, too oblong, small, poor shape+ pointed drop, poor shape

**COA07365-4RY (021)**-Red/Yellow. Parentage (Romanze X CO99256-2R). Cross was made in Colorado and selected in Aberdeen.

Uses: fresh

Strength:

Weakness:

**NDTX059759-3RY/Y (022)**-Pinto Oblong Pinto/Yellow. Parentage (ATND 99331-2 Pinto X ND 7834-2P). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: very nice, BOT+ BOT, nice flesh nice dark red skin

Weakness: flat, some purple streaks in flesh

**BTX2103-1R/Y (023)**-Oblong Red/Yellow. Parentage (BO811-13 X ARS-W82-21285-1). Cross was made in Beltsville, Maryland and selected in Texas. Late maturity. Medium vine size. Red-purple flower color.

Uses: fresh

Strength: nice flesh, good skin set

Weakness: variable shape, lots of B's, deeper eyes, road map, small, poor shape, light flesh

**CIT #10 (024)**-Red. Parentage (??) Clone entered by Real Potatoes. Use: fresh

Strength:

Weakness:

**Abby (025)**-Parentage (Cecile x Red Scarlett)

**Sierra Rose (026)**-Oblong Red/Yellow. Parentage (A90601-2RDY X MAZAMA). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas. Early maturity. Medium vine size. Purple flower color

Uses: fresh

Strength: very nice skin and flesh nice shape, smooth

Weakness: some nipples, light skin and flesh, some large, silver scurf

**ATTX10265-4R/Y (027)**-Red/Yellow. Parentage (A02267-2PY X US 147-96RIY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

**ATTX961014-1R/Y (028)**-Chimera Red/Yellow Parentage (A90601-2RDY X MAZAMA). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

**TX12471-1R/Y (029)**-Red/Yellow. Parentage (COTX94218-1R X CO04021-2R/Y). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

**TX12471-7R/Y (030)**-Red/Yellow. Parentage (COTX94218-1R X CO04021-2R/Y). Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**ATX08121-3P/Y (031)**-Purple/Purple. Parentage (A02267-5PY X CO98012-5R). Cross was made in Aberdeen and selected in Texas.

Uses: fresh

Strength:

Weakness:

**COTX10138-19P/Y (032)**-Oblong Purple. Parentage (AC99329-7PW/Y X AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses:

Strength:

Weakness: silver scurf, sticky stolon

## Purple Skin

**ATTX98493-2P/P (033)**-Purple/Purple. Parentage (P94A2-3Y X BO811-13RY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

**NDTX091886-3P/P (034)**-Round Purple Parentage (COND 04082-8RR X ND 7519-1) Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice shape and smooth skin, nice skin finish, dark flesh, nice flesh

Weakness: road map, some white in pith low yield

**PORTX03PG25-2R/R (035)**-Round Red/Red. Parentage (PA97B35-1 X PA99P7-2). Cross was made in Prosser, Washington, tuberlings grown in Oregon and selected in Texas.

Uses: Specialty. Strengths: Weaknesses:

**CIT #3 (036)**-Red. Parentage (??) Clone entered by Agriculture and Agri-Food Canada.

Uses: fresh

Strength:

Weakness:

## White/Yellow Flesh

**Yukon Gold (037)**-Oblong White/Yellow. Parentage (W5279-4 X Norgleam). Cross was made and selected in Ontario, Canada. Released in 1980 by Agriculture Canada, The University of Guelph, and The Ontario Ministry of Agriculture) Food, Guelph, Ontario. Medium-early maturity. Medium-large vine size. Violet flower color.

Uses: fresh

Strength: BOT nice shape nice shape and flesh

Weakness: light set, poor internals

**Sierra Gold (038)**-Round-oblong Russet/Yellow. Parentage (Krantz X Delta Gold). Cross was made and selected in Texas. Early maturity. Medium vine size.

Uses: fresh

Strength: nice skin, shape, and flesh, BOT++

Weakness:

**A06336-2Y (039)**-Oval White. Parentage (VC1009-1W/Y X US 147-96 R/Y). Cross was made and selected in Aberdeen. Medium-early maturity. Medium vine size. Light Purple flower color.

Uses: fresh

Strength:

Weakness:

**A06336-5Y (040)**-Oval White. Parentage (VC1009-1W/Y X US 147-96 R/Y). Cross was made and selected in Aberdeen. Medium-early maturity. Medium vine size. Light Purple flower color.

Uses: fresh

Strength:

Weakness:

**COTX03134-1W (041)**-Round White. Parentage (Laratte X PA97B36-3). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness: uneven russeting, small, shape? Patchy russeting

**TXWL-1 (042)**-Oblong White. Parentage (Triumph X Katahdin).

Uses: fresh

Strength: yield+, large tubers, red eyes, eyes not as deep

Weakness: oversized, deep eyes

**CIT #2 (043)**-White. Parentage (??) Clone entered by Agriculture and Agri-Food Canada. Use: fresh

Strength:

Weakness:

**CIT #4 (044)**-White. Parentage (??) Clone entered by Agriculture and Agri-Food Canada. Use: fresh

Strength:

Weakness:

**Vitabella (045)**-Oblong White. Parentage (VR 95-98 X MIRIAM). Clone entered by KWS Potato B.V.

Uses: fresh.

Strength:

Weakness:

**Actrice (046)**-Oblong White. Parentage (DENISE X AGATA). Cross made in Holland.

Uses: fresh

Strength: BOT, BOT- nice shape, nice flesh, light set

Weakness:

**Electra (047)**-Round White. Parentage (C1992/42 X Picasso). Cross made in Ireland

Uses: fresh

Strength: heavy set, nice flesh and shape, smooth skin

Weakness:

**Maybell (048)**-Oblong White. Parentage (Santana X Triplo). Clone entered by De Nijs Potatoes.

Uses: fresh

Strength:

Weakness:

**Bute (049)**-Parentage (Harmony X (Valor X Nicola)). Use: fresh

Strength:

Weakness:

**Kag (050)-Parentage (??)**

Uses: fresh

Strength:

Weakness:

**105/2/W/06(Libertie) (051)-Oblong White. Parentage (??). Cross was made and selected in by Caithness Potatoes.**

Uses: Fresh

Strength:

Weakness:

**BTX1749-1W/Y (052)-Oblong White/Yellow. Parentage (K7-6 X BO925-4). Cross was made in Beltsville, Maryland and selected in Texas. Medium maturity. Large vine size.**

Uses: fresh.

Strength: keep for ZC

Weakness: deep nose, Rhizoctonia, drop

**COTX05249-3WRE/Y (053)-Round White. Parentage (CO00320-1R X ATC98509-1R/Y) Cross was made in Colorado and selected in Texas.**

Uses: fresh

Strength: BOT, uniform size B's, nice flesh, small potato candidate, smooth

Weakness: not red eyes, small

**COTX07382-2W/Y (054)-Oblong White/Yellow. Parentage (Blazer Russet X Innovator) Cross was made in Colorado and selected in Texas. Medium maturity. Medium vine size. White flower color.**

Uses: fresh

Strength: uniform, smooth skin, nice shape, nice shape, smooth,

Weakness: light flesh light set small, drop,

**COTX10097-2W/Y (055)-Oblong White. Parentage (CO04067-10W/Y X CO00412-5W/Y). Cross was made in Colorado and selected in Texas.**

Uses: fresh

Strength: nice shape, smooth, nice flesh+

Weakness: some rough

**Small Potato**

**AORTX09147-1W (056)-White. Parentage (A02516-102LB X A98334-2). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.**

Uses: fresh

Strength:

Weakness:

**AORTX11468-1W (057)-White. Parentage (A03449-2C X MSJ316A-LF). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.**

Uses: fresh

Strength:

Weakness:

**AORTX11913-4P (058)**-Purple. Parentage (A03576-5Y X NDA050237B-1R). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: fresh

Strength:

Weakness:

**AORTX11913-5P (059)**-Purple. Parentage (A03576-5Y X NDA050237B-1R). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: fresh

Strength:

Weakness:

**AORTX11913-6P/Y (060)**-White. Parentage (A03576-5Y X NDA050237B-1R). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: fresh

Strength:

Weakness:

**ATX05175S-1R/Y (061)**-Round Red/Yellow. Parentage (A99331-2RY X COA99261-IRY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: BOT, very nice flesh, nice small size uniform size, nice skin finish, very nice flesh and shape, to Kelly, honorable mention, Kelly has it, nice shape, size and flesh, light skin.

Weakness: deep eyes, low tuber #

**ATX98444S-16R/Y (062)**-Oblong Red/Yellow. Parentage (A83360-9R X T48YF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: all BOT for small size B's or smaller, heavy set, smooth, BOT for small Potato, nice size nice shape

Weakness: small some faded skin,

**ATX05186S-1R (063)**-Oblong Red. Parentage (A99433-5Y X VC1075-1R). Cross was made in Aberdeen and selected in Texas.

Uses: fresh

Strength: to Kelly, very white flesh, better rep, CM to Kelly, nice size, shape, and color nice shape and size

Weakness: yield-too pale skin, drop

**ATX05202S-3W/Y (064)**-Oblong White/Yellow. Parentage (A00286-3Y X A99433-5Y). Cross was made in Aberdeen and selected in Texas.

Uses: fresh

Strength: nice small potato size, BOT, nice size for small potato, very nice small shape, BOT

Weakness:

**ATX06264S-4R/Y (065)**-Round Red/Yellow. Parentage (A99331-2RY X Durango Red). Cross was made in Aberdeen and selected in Texas.

Uses: fresh

Strength: smooth skin finish, nice color, heavy set, lots of small tubers, dark skin color, very round

Weakness: not uniform profile, check tuber #, average eye depth (drop Kelly), variable size, oversized

**ATX08117-3P (066)**-Purple Parentage (A02267-2PY X COA01406-1R). Cross was made in Aberdeen and selected in Texas.

Uses: fresh

Strength:

Weakness:

**COTX04050S-1P/P (067)**-Oblong Purple/Purple. Parentage (CO97215-2P/P X CO97306-2P/P). Cross was made in Colorado and selected in Texas

Uses: fresh

Strength: nice shape and size nice skin, dark flesh nice flesh

Weakness: nipples some heat sprouts, road map too oblong? Poor skin color, dull black

**COTX04193S-2R/Y (068)**-Oblong Red/Yellow. Parentage (ATC98515-1R/Y X ND3574-5R). Cross was made in Colorado and selected in Texas. Medium-early maturity. Small vine size.

Uses: fresh

Strength: very nice flesh, nice flesh, Kelly has it, BOT nice round shape, shallow eyes, 1 rating if high tuber count +,

Weakness: low yield

**COTX10073S-1W (069)**-Oblong White. Parentage (A97066-42LB X Alpine Russet). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: high set, uniform profile, round, some netting or russetting, very nice BOT, CM to Kelly, nice shape and size,

Weakness: chip?

**COTX10138S-7W/Y (070)**-Round White. Parentage (AC99329-7PW/Y X AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: yield+, nice size and shape, all B's, BOT++, TC, CM to Kelly to Kelly purple eyes, uniform, round, nice skin finish, specialty

Weakness: light flesh, discard, purple eyes, some internal brownspot

**COTX10226S-1W/Y (071)**-Round White Parentage (CO04117-5PW/Y X AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses:

Strength: uniform nice small size and flesh, red splash

Weakness: lot of variability in red splash, some poor netting, deep eyes, poor shape, drop

**NDTX071258BS-1R (072)**-Round Red. Parentage (ND 039035B-9R X ND 4659-5R) Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: round good skin color, 1 rating if high tuber count, nice size to Kelly, nice shape,

Weakness: light skin light set, low yield

**NDTX081451CBS-1Y/Y (073)**-Oblong Yellow/Yellow. Parentage (Dakota Diamond X Gala) Cross was made in North Dakota and selected in Texas. Late maturity. Large vine size. White flower color.

Uses: fresh

Strength: Kelly has it,

Weakness: move to WH/Y, too big?? Some larger tubers

**NDTX102639CS-1W (074)**-Round White Parentage (ND7550C-1 X ND060831C-6). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: round, heavy set, nice shape, BOT- nice tuber set

Weakness: average skin finish,

**NDTX102816CABS-1W (075)**-Round White Parentage (ND060476CAb-6 X ND7519-1). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice round shape, shallow eyes, uniform, BOT, nice size

Weakness: average skin finish

**NDTX113037C-2W (076)**-White. Parentage (Dakota Pearl X ND060705C-8). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

**TX09406S-1P/P (077)**-Round Purple Parentage (A99331-2RY X CO00405-1R) Cross was made and selected in Texas.

Uses: fresh

Strength: keep, nice shape and size, lots of B's, BOT nice shape and color, uniformly small

Weakness: average skin finish, some silver scurf

**TX12471-6W/Y (078)**-White/Yellow. Parentage (COTX94218-1R X CO04021-2R/Y). Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

## **Fingerling**

**Banana (079)**-Long White. Parentage (Grown in British Columbia for over 90 years. Research indicates that the variety might have been introduced to early settlers and natives by Russian fur traders. The exact origin, parental lines or breeding techniques used in its development are not known.)

Uses: fresh

Strength: lots of marketable, nice flesh

Weakness: more culls, some large



**COTX08044F-1R/R (080)**-Long Red. Parentage (FF X KP X FF X KP) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: yield+, BOT+, nice red flesh, good skin finish, nice internal color,

Weakness: red on one end, too thick

**COTX08365F-1P/P (081)**-Long Purple/Purple. Parentage (POR01PG16-1 X CO00405-1R) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice smooth skin shape, smooth skin, BOT, very nice size and flesh 1 if high tuber count, nice, best internal color, nice shape and skin finish

Weakness: yield-knobs

**COTX08365F-3P/P (082)**-Long Purple. Parentage (POR01PG16-1 X CO00405-1R) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice: somewhat thick, better than-1P/P nice skin color smooth skin, nice shape

Weakness: some knobs, white streaks in flesh, low yield too big, poor internals, too large++,

### **Specialty Commercial Varieties**

**Abby (083)**-Parentage (Cecile x Red Scarlett)

**Alegria (084)**-Oblong White. Parentage (?). Cross was made in Germany.

Uses: fresh

Strength: yield, nice, BOT-, nice shape nice flesh

Weakness: lenticels

**Allora (085)**-Parentage (??). Cross made by Norkia.

Uses: fresh

Strength:

Weakness:

**Soraya (086)**-Oblong White. Parentage (Marabel X 1.307 120-93). Cross was made and selected at Norika breeding facility in Gross Lüsewitz, Germany. Medium-late maturity.

Uses: fresh

Strength: nice flesh,

Weakness: poor shape and yield poor internals, rough

**Wega (087)**-Oblong White. Parentage (MPI 61 303 34 X Isabell). Cross was made and selected by Leibniz Institute of Plant Genetics and Crop Plant Research (IPK). Early matu

**08-181R (088)**-Red. Parentage (??). Cross was made and selected in North Carolina.

Uses: Fresh

Strength:

Weakness:

**08-407 (089)**-Parentage (??). Cross was made and selected in North Carolina.

Uses: Fresh

Strength:

Weakness:

**Merlot (090)**-Long Red/Red. Parentage (French Fingerling X Red Gold).

Uses: fresh

Strength:

Weakness:

## **Russet, White Skin Yellow Flesh, Chip Selections/Varieties**

### **Russet Selections**

**Russet Norkotah (001)**-Oblong-Long Russet. Parentage (ND9526-4Ru X ND9687-5Ru). Cross was made and selected in North Dakota. Released in 1987 by the North Dakota Agricultural Experiment Station. Early-medium maturity. Medium vine size. Corolla is white and anthers are yellow-orange.

Uses: fresh

Strength: very nice, BOT, nice shape, smooth

Weakness: rough, pointed, small

**Reville Russet (002)**-Oblong Russet. Parentage (A81473-2 X A8343-12) Cross was made in Aberdeen, and selected in Texas. Late maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength: heavy set BOT++

Weakness: some oversized

**TX08352-5Ru (003)**-Long Russet. Parentage (TXA549-1Ru X AOTX98137-1RU). Cross was made and selected in Texas.

Uses: fresh

Strength: keep fat, nice flesh BOT? Nice flesh, BOT

Weakness: blocky eyes a little deep, some rough hollow heart, oversized small, light set, late

**COTX09052-2Ru (004)**-Long Russet. Parentage (CO03202-1RU X CO98067-7RU) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: BOT- , keep, nice shape, smooth, nice net keep nice white flesh,

Weakness: late light net, small, skinny, pointed light set

**COTX09022-3RuRE/Y (005)**-Oblong Russet Parentage (A00286-3Y X CO99100-1RU) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: yellow flesh, BOT, nice shape and flesh very nice flesh, BOT-, red eyes, BOT+,, very nice flesh++,

Weakness:

**Russet Norkotah278 (006)**-Oblong-Long Russet. Parentage (ND95264Ru X ND9687-5Ru). Cross was made and selected in North Dakota. Russet Norkotah296 is a mutant strain selection made in 1989 by Texas from the variety Russet Norkotah. Early maturity. Medium vine size. White flower color

Uses: fresh

Strength: High yield, nice shape

Weakness: rough, low yield, curved, some rough too long, pointed

**Russet Norkotah296 (007)**-Oblong-Long Russet. Parentage (ND95264Ru X ND9687-5Ru). Cross was made and selected in North Dakota. Russet Norkotah296 is a mutant strain selection made in 1989 by Texas from the variety Russet Norkotah. Early maturity. Medium vine size. White flower color

Uses: fresh

Strength: High yield, nice shape

Weakness: rough, low yield, curved, some rough too long, pointed

**Ranger Russet (008)**-Long Russet. Parentage (Butte X A6595-3). Cross was made and selected in Aberdeen. Released in 1991 by USDA-ARS, and the Colorado, Aberdeen, Oregon and Washington Agricultural Experiment Stations. Medium-late maturity. Large vine size. White flower color.

Uses: fresh

Strength: nice shape, smooth, long,

Weakness: light skin, skinny, rough, poor shape deep eyes, drop, and rough.

**Russet Burbank (009)**-Long Russet. Luther Burbank reported the origin of Russet Burbank in 1914 as a chimeric selection from the variety Burbank by Lou Sweet. Lou Sweet was a potato grower in the western slope area of Colorado and was President of the Potato Association of America in 1920. Late maturity. Large vine size. White flower color.

Uses: fresh

Strength:

Weakness: rough, many culls, curved, rough skinny, ugly

**Shepody (010)**-Long White. Parentage (Bake King X F58050). Selected in New Brunswick, Canada and released by Agriculture Canada, New Brunswick in 1980. Medium-late maturity. Medium vine size. Light violet flower color with white tips.

Uses: fresh

Strength:

Weakness: rough, pear shaped, poor net

**A03141-6 (011)**-Oblong Russet. Parentage (A098083-9 X PREMIER RUSSET). Cross was made and selected in Aberdeen. Early maturity. Medium-small vine size. White flower color.

Uses: dual

Strength:

Weakness:

**A03921-2 (012)**-Long Russet. Parentage (A96953-13 X A93005-10). Cross was made and selected in Aberdeen. Medium-early maturity. Medium-large vine size. Purple flower color.

Uses: dual

Strength: light net, nice shape light skin

Weakness: drop, poor yield, large

**A06021-1T (013)**-Long Russet. Parentage (A99031-1TE X A96013-2). Cross was made and selected in Aberdeen. Medium-early maturity. Medium vine size. White flower color.

Uses: dual

Strength: nice, nice shape, smooth, nice

Weakness: pointed

**A003123-2 (014)**-Oblong Russet. Parentage (A98082-17 X Premier R). Cross was made in Aberdeen and selected in Oregon. Medium-late maturity. Medium-small vine size. White flower color.

Uses: dual

Strength:

Weakness:

**A006191-1 (015)**-Oblong Russet. Parentage (A99134-1 X AC92009-4RU). Cross was made in Aberdeen and selected in Oregon. Medium-early maturity. Medium vine size.

Uses: dual

Strength:

Weakness:

**AOR06070-1KF (016)**-Oblong Russet. Parentage (Premier R X AO96164-1). Cross was made in Aberdeen and selected in Oregon.

Uses: process

Strength:

Weakness:

**CO04220-7RU (017)**-Russet. Parentage (CO96109-7RU X Summit Russet). Cross was made and selected in Colorado.

Uses: fresh

Strength:

Weakness:

**CO05068-1RU (018)**-Oblong Russet. Parentage (AWN86514-2 X CO98009-3RU). Cross was made and selected in Colorado. Medium maturity. Large-very large vine size. White flower color.

Uses: dual

Strength: nice shape, smooth

Weakness: rough, ugly, pointed, blocky drop heat sprouts, drop

**CO05152-5RU (019)**-Russet. Parentage (CO94035-15RU X AC96052-1RU). Cross was made and selected in Colorado.

Uses: fresh

Strength:

Weakness:

**CO05175-1RU (020)**-Long Russet. Parentage (CO94035-15RU X AC96052-1RU). Cross was made and selected in Colorado. Medium maturity. Large vine size. White flower color.

Uses: dual

Strength:

Weakness: drop, poor shape, drop++, curved, pointed, too long,

**CO08065-2RU (021)**-Russet. Parentage (Premier Russet X AC98043-2RU). Cross was made and selected in Colorado.

Uses: fresh  
Strength:  
Weakness:

**CO08155-2RU/Y (022)**-Russet. Parentage (Fortress Russet X Innovator). Cross was made and selected in Colorado.

Uses: fresh  
Strength:  
Weakness:

**CO08231-1RU (023)**-Russet. Parentage (Crestone Russet X Sage Russet). Cross was made and selected in Colorado.

Uses: fresh  
Strength:  
Weakness:

**A02449-100LB (024)**-Oblong Russet. Parentage (?). Cross was made in Aberdeen and selected in Oregon.

Uses: dual  
Strength:  
Weakness:

**ATX10675-1Ru (025)**-Russet Parentage (A05379-217 X Dakota Trailblazer). Cross was made in Aberdeen and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

**ATX11952-1Ru (026)**-Russet Parentage (A02515-2 X A98196-5). Cross was made in Aberdeen and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

**ATX84378-6Ru (027)**-Oblong-Long Russet. Parentage (A79141-9 X ND329-1). Cross was made in Aberdeen, and selected in Texas. Medium-early maturity. Medium vine size. White flower color.

Uses: fresh  
Strength: BOT-, Keep, good shape, nice flesh blocky +  
Weakness: small, light set, light set

**Reville Russet (028)**-Oblong Russet. Parentage (A81473-2 X A8343-12) Cross was made in Aberdeen, and selected in Texas. Late maturity. Medium vine size. Lavender flower color.

Uses: fresh  
Strength: heavy set BOT++

Weakness: some oversized

**COTX10010-1Ru (029)**-Long Russet. Parentage (A0008-1TE X CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses:

Strength: nice flesh

Weakness: some pointed, large tubers

**COTX10080-2Ru (030)**-Long Russet. Parentage (CO03364-5RU X CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses:

Strength: nice shape

Weakness: oversized

**COTX10141-11Ru (031)**-Long Russet Parentage (AC00395-2RU X CO03177-2RU). Cross was made in Colorado and selected in Texas.

Uses:

Strength: smooth,

Weakness: blocky

**COTX10141-12Ru (032)**-Long Russet Parentage (AC00395-2RU X CO03177-2RU). Cross was made in Colorado and selected in Texas.

Uses:

Strength: no hollow heart on large tubers, BOT- nice shape

Weakness: flat

**Stampede Russet (033)**-Oblong-Long Russet. Parentage (BR7091-1 X Lemhi Russet), cross made in Texas, selected in Idaho and tested extensively in Alberta, Canada. Released in 1999 by Agriculture and Agri-Food Canada and the Texas Agricultural Experiment Station. Early maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength: large tubers, BOT-nice shape++ very nice better rep, keep

Weakness: blocky low yield

**TXA549-1Ru (034)**-Oval Russet. Parentage (ND9687-3Ru X ND9852-1Ru). Cross was made in Texas, selected in Aberdeen and tested extensively in Alberta, Canada. Medium-late maturity. Medium-large vine size. Purple flower color with White tips.

Uses: fresh

Strength: BOT nice

Weakness: variable size hollow heart on very large tubers, blocky

## Chip

**Atlantic (035)**-Round White. Parentage (Wauseon X Lenape). Cross was-made in Beltsville, Maryland, and selected in Maine. Released in 1976 by USDA-ARS, Florida, Virginia, New Jersey and Maine Agricultural Experiment Stations. Medium maturity. Medium vine size. Pale lavender flower color.

Uses: chip

Strength: buff skin, nice shape  
Weakness: internals? Poor internals

***Snowden (036)***-Oblong White. Parentage (B5141-6 X Wischip). Cross was made and selected at the University of Wisconsin. Medium-late maturity. Large vine size. White flower color.

Uses: chip  
Strength:  
Weakness:

***AC05153-1W (037)***-Round White. Parentage (A91814-5 X Chipeta). Cross was made in Aberdeen and selected in Colorado. Very early-early maturity. Medium-small vine size. White flower color.

Uses: chip  
Strength: nice size, nice, smooth+, nice shape  
Weakness:

***AOR09034-3 (038)***-Round White. Parentage (Boulder X A03449-2C). Cross was made in Aberdeen and selected in Oregon. Medium maturity. Large vine size. White flower color.

Uses: chip  
Strength:  
Weakness:

***CO07070-10W (039)***-White. Parentage (B0766-3T X CO00188-4W). Cross was made and selected in Colorado.

Uses: chip  
Strength:  
Weakness:

***CO07070-13W (040)***-White. Parentage (B0766-3T X CO00188-4W). Cross was made and selected in Colorado.

Uses: chip  
Strength:  
Weakness:

***NDA081453CAB-2C (041)***-Round White. Parentage (Dakota Diamond X ND 039173CAB-22). Cross made in North Dakota and selected in Aberdeen. Medium-early maturity. Medium vine size. White flower color.

Uses: chip  
Strength:  
Weakness:

***NDTX071109C-1W (042)***-Round White. Parentage (ND 7226C-17 X ND 860-2) Cross was made in North Dakota and selected in Texas. Late maturity. Large vine size.

Uses: chip  
Strength: nice size and shape, heavy set, uniform  
Weakness: light set, large tubers

***NDTX081648CB-13W (043)***-Round White. Parentage (ND 8456-1 X ND7377CB-1) Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: nice size and shape, nice flesh nice shape

Weakness: light set

**NDTX091908AB-02W (044)**-Round White. Parentage (Ebt 6-21-5 X ND 7519-1) Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: BOT++, very nice

Weakness: small, too oblong, browncenter

**OR09256-2 (045)**-Round Buff. Parentage (Dakota Diamond X Russet Norkotah). Cross made and selected in Oregon. Medium-late maturity. Medium-large vine size. White flower color.

Uses: chip

Strength:

Weakness:

**OR9253-1 (046)**-Round Buff. Parentage (Dakota Diamond X C097065). Cross made and selected in Oregon. Late maturity. Medium-large vine size. Lavender flower color.

Uses: chip

Strength:

Weakness:

**TX09396-1W (047)**-White. Parentage (Atlantic X NY139).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**AC01144-1W (048)**-Round White. Parentage (??). Cross was made in Aberdeen and selected in Colorado.

Uses: chip

Strength:

Weakness:

**CIT #1 (049)**-White. Parentage (??) Clone entered by Agriculture and Agri-Food Canada.

Uses: chip

Strength:

Weakness:

**CIT #5 (050)**-Buff. Parentage (??) Clone entered by McCain Foods USA.

Uses: fry

Strength:

Weakness:

**CIT #6 (051)**-White. Parentage (??) Clone entered by McCain Foods USA.

Uses: fry

Strength:

Weakness:



**CIT #7 (052)**-White. Parentage (??) Clone entered by McCain Foods USA.

Uses: fry  
Strength:  
Weakness:

**Banff (053)**-Parentage (??)

Uses: fresh  
Strength:  
Weakness:

**Munich (054)**-Parentage (??)

Uses: chip  
Strength:  
Weakness:

**Gouda (055)**-Parentage (??)

Uses: fresh  
Strength:  
Weakness:

**Olympus (056)**-Round White. Parentage (Atlantic X 12601 ab (1)). Clone entered by the Higgins Group.

Uses: chip  
Strength:  
Weakness:

**W2978-3 (057)**-White. Parentage (Monticello X Dakota Pearl). Cross made and selected at the University Wisconsin.

Uses:  
Strength:  
Weakness:

**NC0349-3 (058)**-Round White. Parentage (Snowden X B0564-9). Clone entered by North Carolina State University.

Uses: chip  
Strength:  
Weakness:

**MSY301-2 (059)**-White. Parentage (??). Clone entered by Michigan State University.

Uses: chip  
Strength:  
Weakness:

**MSW358-3 (060)**-White. Parentage (??). Clone entered by Michigan State University.

Uses: chip  
Strength:  
Weakness:

**MSW485-2 (061)**-White. Parentage (??). Clone entered by Michigan State University.

Uses: chip  
Strength:

Weakness:

**MSW509-5 (062)**-White. Parentage (??). Clone entered by Michigan State University.

Uses: chip

Strength:

Weakness:

**MSQ086-3 (063)**-Round White Parentage (Onaway X Missaukee). Clone entered by Michigan State University

Uses: chip

Strength:

Weakness:

**B2727-2 (064)**-Parentage (??) Cross was made and selected in Beltsville, MD

Uses: chip

Strength:

Weakness:

**W5955-1 (065)**-White. Parentage (Pike X C31-5-120). Cross made and selected at the University Wisconsin.

Uses:

Strength:

Weakness:

**Lamoka (066)**-Round White Parentage (NY120 X NY115). Cross was made and selected in New York. Late maturity. White-tipped magenta flower color.

Uses: chip

Strength:

Weakness:

**NY153 (067)**-Round White. Parentage (Waneta X Pike). Clone entered by Cornell University.

Uses: chip

Strength:

Weakness:

**CO02321-4W (068)**-White. Parentage (NY115W X BC0894-2W). Cross was made and selected in Colorado.

Uses: chip

Strength:

Weakness:

**CO03243-3W (069)**-Round White. Parentage (BC0894-2W X A91790-13). Cross was made and selected in Colorado. Medium maturity. Large vine size. Light purple flower color.

Uses: chip

Strength: BOT, very smooth, nice size nice, buff skin, nice shape, nice size, yield+

Weakness:

**NY152 (070)**-Round White. Parentage (B38-14 X Marcy). Clone entered by Cornell University.

Uses: chip

Strength:  
Weakness:

**AORTX09032-3W (071)**-White. Parentage (A03449-2C X Ivory Crisp). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**AORTX09033-11W (072)**-White. Parentage (CO96141-4W X Ivory Crisp). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**AORTX09033-4W (073)**-White. Parentage (CO96141-4W X Ivory Crisp). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**AORTX09037-1W (074)**-White. Parentage (Fasan X Ivory Crisp). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**AORTX09037-4W (075)**-White. Parentage (Fasan X Ivory Crisp). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**AORTX09037-5W (076)**-White. Parentage (Fasan X Ivory Crisp). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**AORTX10247-1W/Y (077)**-White. Parentage (Lady Britta X NY139). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**AORTX11476-2W (078)**-White. Parentage (A05158-2C X MSJ316A-LF). Cross was made in Aberdeen, tuberling produced in Oregon and selected in Texas.

Uses: chip

Strength:  
Weakness:

**ATTX07042-3W (079)**-White Parentage (Western russet EM X A02086-10 EM 500). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

**ATTX11476-11W (080)**-White. Parentage (A05158-2C X MSJ316A-LF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

**ATTX11484-3W (081)**-White. Parentage (A05158-2C X 00-3115-11). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh  
Strength:  
Weakness:

**COTX10079-11W (082)**-Oblong White. Parentage (CO03273-7W X CO02321-4W). Cross was made in Colorado and selected in Texas.

Uses: chip  
Strength: smooth  
Weakness: hollow heart

**NDTX059828-2W (083)**-Oblong White. Parentage (ND 4659-5R X ND 8524B-1R). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: ZC tolerant?  
Weakness:

**NDTX059828-2W (084)**-Oblong White. Parentage (ND 4659-5R X ND 8524B-1R). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: ZC tolerant?  
Weakness:

**NDTX060700C-1W (085)**-Round White. Parentage (NDTX 7560C-4 X NDTX 7192-1).Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: heavy set, uniform small potato candidate  
Weakness: too small++, light set too small

**NDTX071109C-1W (086)**-Round White. Parentage (ND 7226C-17 X ND 860-2) Cross was made in North Dakota and selected in Texas. Late maturity. Large vine size.

Uses: chip

Strength: nice size and shape, heavy set, uniform

Weakness: light set large tubers,

**NDTX081648CB-1W (087)**-Round White Parentage (ND 8456-1 X ND7377CB-1). Cross was made in North Dakota and selected in Texas.

Uses:

Strength: smooth

Weakness:

**NDTX102514ABC-5W (088)**-Round White Parentage (Etb 6-5-5 X ND 060831C-6) Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: uniform, heavy set, BOT

Weakness: too oblong, small, light set,

**NDTX102640Cb-1W (089)**-Round White Parentage (ND7550c-1 X ND071006B-2). Cross was made in North Dakota and selected in Texas.

Uses:

Strength: heavy set, uniform

Weakness:

**NDTX102702C-1W (090)**-Oblong White Parentage (ND049326C-2P X ND059978C-1). Cross was made in North Dakota and selected in Texas.

Uses:

Strength: large tubers

Weakness:

**NDTX102796CbS-2W (091)**-Round White. Parentage (ND059999C-4 X ND060618CB-3). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: smooth skin round

Weakness: chip? , too big, move to chip trial, larger tubers, some russetting

**NDTX102852CB-3Ru (092)**-Oblong Russet Parentage (ND060607B-4 X ND060831C-6). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: nice shape, large tubers

Weakness:

**NDTX102852CB-4Ru (093)**-Oblong Russet Parentage (ND060607B-4 X ND060831C-6). Cross was made in North Dakota and selected in Texas.

Uses:

Strength: nice shape

Weakness: hollow heart, large tubers

**NDTX113029C-2W (094)**-White. Parentage (Dakota Diamond X ND6620-14). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength:  
Weakness:

**NDTX113030C-10W (095)**-White. Parentage (Dakota Diamond X ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**NDTX113030C-3W (096)**-White. Parentage (Dakota Diamond X ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**NDTX113037C-3W (097)**-White. Parentage (Dakota Pearl X ND060705C-8). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**NDTX113467CB-1W (098)**-White. Parentage (ND060485Cb-1 X ND7519-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**TX03196-1W (099)**-White. Parentage (NDTX4784-7R X Adora).Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**TX05249-10W (A100)**-White. Parentage (Gem Russet X A91790-13).Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**TX05249-11W (A101)**-White. Parentage (Gem Russet X A91790-13).Cross was made and selected in Texas.

Uses: chip  
Strength:  
Weakness:

**TX09396-1W (A102)**-White. Parentage (Atlantic X NY139).Cross was made and selected in Texas.

Uses: chip  
Strength:

Weakness:

**TX09429-1P/P (A103)**-Oblong Purple Parentage (COTX0325-1P/P X COTX04050-1P/P) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice flesh color, very dark flesh

Weakness: light set, road map, poor skin, light flesh

**TX12474-1P/R (A104)**-Purple/Red. Parentage (CO04045-4P/P X CO03027-2R/R).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12479-16W (A105)**-White. Parentage (Atlantic X TX08402).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12479-1W (A106)**-White. Parentage (Atlantic X TX08402).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12483-4W (A107)**-White. Parentage (TX08402 X Snowden).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12483-5W (A108)**-White. Parentage (TX08402 X Snowden).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12483-6W (A109)**-White. Parentage (TX08402 X Snowden).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12483-8W (A110)**-White. Parentage (TX08402 X Snowden).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12484-1W ZC (A111)**-White. Parentage (TX08402 X NDTX059828-2W).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12484-2W ZC (A112)**-White. Parentage (TX08402 X NDTX059828-2W).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12484-3W ZC (A113)**-White. Parentage (TX08402 X NDTX059828-2W).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12484-4W ZC (A114)**-White. Parentage (TX08402 X NDTX059828-2W).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**TX12486-1W (A115)**-White. Parentage (TX08402 X ATTX03474-1W).Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

**Waneta (A116)**-Oblong White. Parentage (Marcy X NY115). Cross made and selected at Cornell University.

Uses: chip

Strength: nice shape

Weakness: light set, low yield+,

**WTX10646-2W (A117)**-Oblong White Parentage (W2324-1 X Eva) Cross was made in Wisconsin and selected in Texas.

Uses: chip

Strength:

**WTX10666-8W (A118)**-Oblong White Parentage (Tacna X W2717-5) Cross was made in Wisconsin and selected in Texas.

Uses: chip

Strength:

Weakness: poor shape

**Fill (A119)**

**Fill (A120)**



Prefix Source Key for Numbered Advanced Selections:

A = cross made in Aberdeen, Idaho and selected in Idaho

AC = cross made in Aberdeen, Idaho and selected in Colorado

ADX = cross (diploid x diploid) made in Aberdeen, Idaho, and selected in Idaho

AF = cross made and selected in Maine at Aroostook Farm, Presque Isle

AND = cross made in Aberdeen, Idaho and selected in North Dakota

AO = cross made in Aberdeen, Idaho and selected in Oregon

AOA= cross made in Aberdeen, Idaho, seedling produced in Oregon, and selected in, Idaho

AOTX = cross made in Aberdeen, Idaho, tuberlings produced in Corvallis, Oregon greenhouse, and original field selection in Texas

ATD = cross (tetraploid x diploid) made in Aberdeen, Idaho and selected in Idaho

ATTX = cross made in Aberdeen, Idaho, tuberlings produced in College Station, Texas greenhouse, and original field selection in Texas

ATX = cross made in Aberdeen, Idaho and selected in Texas

B = cross made in Beltsville, Maryland and selected in Maine

BC = cross made in Beltsville, Maryland and selected in Colorado

BO = cross made in Beltsville, Maryland and selected in Oregon

BN = cross made in Beltsville, Maryland and selected in North Dakota

BTX = cross made in Beltsville, Maryland and selected in Texas

CO = cross made and selected in Colorado

COTX = cross made in Colorado and selected in Texas

DT = cross made in North Dakota and selected in Texas

FL = cross made and selected by Frito-Lay

MB = cross made in Minnesota and selected in Maine (Beltsville, Maryland program)

MN = cross made and selected in Minnesota

MS “letter” = cross made and selected in Michigan with ‘letter’ indicating year of selection with 1988(A) as year 1 of the program

MWTX = cross made by USDA/ARS Madison, Wisconsin and selected in Texas

ND = cross made and selected in North Dakota

NDA= cross made in North Dakota and selected in Idaho (Aberdeen)

NDC = cross made in North Dakota and selected in Colorado

NDO = cross made in North Dakota and selected in Oregon

NDTX = cross made in North Dakota and selected in Texas

NY = cross made and selected in New York

OR = cross made and selected in Oregon

PA = cross made and selected in Prosser, Washington

POR = cross made in Prosser, Washington and selected in Oregon

TX = cross made and selected in Texas

TXA = cross made in Texas and selected in Idaho (Aberdeen)

TXAV = cross made in Texas, selected in Idaho (Aberdeen) and reselected in Alberta, Canada

TXND = cross made in Texas and selected in North Dakota

TXNS "numbers" = Texas selections (strains) out of Russet Norkotah made by Texas program

TXYG "numbers" = Texas selections (strains) out of Yukon Gold made by Texas program

VC = cross made in Lethbridge, Alberta and selected in Colorado

Variety strain "numbers" = selections (strains) out of various varieties made by Gene Shaver in Nebraska

Variety strain "letters" = selections (strains) out of various varieties made by Warren Trank in Nebraska

## Potatoes in the Family



John Scheuring - agronomist at CSS Farms, Dalhart and Dr. Creighton Miller



Jennifer Miller Cash (r) at the Alliance for Potato Research and Education booth, 2015 Academy of Nutrition and Dietetics Annual Food Nutrition Conference and Exhibition in Nashville, TN.



Ryan Miller watering the variety trial in Seattle, WA



Jackson Miller proudly displaying the Seattle, WA variety trial