

# 2015 Annual Potato Field Day

**Texas Potato Breeding and Variety  
Development Program**

**Thursday, July 30, 2015**

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

**Cooperator: Springlake Potato Sales, Inc.**

# **2015 Field Day Handbook**

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

Creighton Miller, Jeff Koym, and Douglas Scheuring

Department of Horticultural Sciences



Texas A&M University

July 30, 2015

Hosted by Springlake Potato Sales, Inc.

Bruce Barrett

Steve Barrett

Tim Gonzalez

**Funds Received to Support  
The Texas Potato Variety Development Program  
July 1, 2014- June 30, 2015**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$42,600
Zebra Chip (SCRI)	\$47,163
USPB Grant for National Chip Breeders Trial – Texas	\$10,000
USPB Grant for Zebra Chip Evaluations	\$10,000
Royalty returned to program	\$120,000
Director’s office AgriLife Research	\$25,000

**\$254,763**

**Expected July 1, 2015 – June 30, 2016:**

USDA/NIFA (Special Research Grants Program, Potato Research)	\$50,000
USPB Grant for National Chip Breeders Trial – Texas	\$10,000
USPB Grant for Zebra Chip Evaluations	\$10,000
Royalty return to program (Estimated)	\$120,000
Director’s Office AgriLife Research	\$25,000

**\$215,000**

**In-kind support:**

CSS Farms (Milt Carter, Grant Monie, Jerry Henderson, Brian Zens, John Wallace and Randy Spevak)	\$40,000
Springlake Potato Sales (Bruce Barrett, Steve Barrett, Tim Gonzalez, and Cliff Black)	\$50,000

**\$90,000**

**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
- Sean Thompson – Post Doctoral Research Associate
- Angel Chappell – Technical Assistant I/Lab Manager
- Yasin Karan – Visiting Research Scholar from Turkey
- Mike Jensen – Technical Assistant II
- Jackie Amador, Liz Vielma, and Tyler Roberts - Student Workers



## Texas Potato Variety Development Program 2015 Trials

Location	Trial	Planted
Springlake	Field Day Red/Specialty (108)	4/6/15
	Western Region Red (8)	4/8/15
	Texas Advanced Selection Red (12)	4/8/18
	Field Day Russets/Chip (125)	4/6/15
	Western Region Red/Yellow (9)	4/8/15
	Texas Advanced Selection Small Potatoes (20)	4/10/15
	Texas Advanced Selection Red/Yellow Flesh (4)	4/10/15
	Texas Advanced Selection Fingerling (4)	4/10/15
	Texas Advanced Selection Purple Skin Purple Flesh (3)	4/10/15
	Texas Advanced Selection Purple/Yellow Flesh (6)	4/10/15
	Western Region White/Yellow (13)	4/11/15
	Texas Advanced Selection White Skin Yellow Flesh (8)	4/11/15
	Hig/Real (20)	4/11/15
	Western Region Chip (23)	4/11/15
	Texas Advanced Chip Selection (41)	4/11/15
	Plant Variety Protection (20)	4/18/15
	Ron French Pesticide Trial (15)	4/18/15
	Western Region Russet (27)	4/18/15
	Texas Advanced Selection Russets (32)	4/18/15
	Spacing-Fertility (5)	4/19/15
	<b>Total Entries            488</b>	
Dalhart	PVP (20)	5/18/15
	French (15)	5/18/15
	14SEL (136)	5/18/15
	National Chip (185)	5/18/15
	Commercial Specialty (22)	5/18/15
	Western Region Red (6)	5/18/15
	Texas Advanced Red Selections (14)	5/18/15
	Western Region Red/Yellow (9)	5/18/15
	Texas Advanced Red/Yellow Selections (9)	5/18/15
	Western Region White/Yellow (11)	5/18/15
	Texas Advanced White/Yellow Selections (13)	5/18/15
	Texas Advanced Small Selections (45)	5/20/15
	Texas Advanced Fingerling Selections (8)	5/20/15
	Texas Advanced Purple Flesh Selections (5)	5/20/15
	Texas Advanced Purple/Yellow Flesh Selections (10)	5/20/15
	Western Region Chip (19)	5/20/15
	Texas Advanced Chip Selections (96)	5/20/15
	Commercial Chip Variety (10)	5/20/15
	14SELChip (136)	5/21/15
	Western Region Russet (27)	5/21/15
Texas Advanced Russet Selections (34)	5/21/15	
	<b>Total Entries            830</b>	

## Seedlings for Selection in Texas - 2015

### Seedlings planted at Springlake

Source	Families	Total Planted
Oregon	186	30,000
Colorado	30	7,231
Total	115	37,231

### Seedlings planted at Dalhart

Source	Families	Total Planted
Colorado	56	10,419
Texas	74	14,081
Texas mini tubers	26	3,047
Aberdeen	75	9,373
North Dakota	46	5,161
Total	277	42,081

**Grand Total** – 79,312 seedlings from 392 families (crosses) were planted in 2015.

## 2015 Field Day Trial in Entry Order

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

#### Red Skin White Flesh

**Chieftan (001)**-Round Red. Parentage (1a1027-18 x La1354). 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

Cutting Notes:

**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

Cutting Notes:

**CIT #2 (003)**-Parentage (?). Variety entered by Agriculture and Agri-Food Canada. Medium maturity.

Uses: fresh

Strength:

Weakness:

Cutting Notes: small tubers

**CIT #4 (004)**-Parentage (?). Variety entered by Agriculture and Agri-Food Canada. Medium maturity.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**CO07102-1R (005)**-Oval Red. Parentage (CO99256-3R x CO99076-6R). Cross was made and selected in Colorado. Early maturity. Purple flower color

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**NDA050237B-1R (006)**-Oval Red. Parentage (ND028678-1RY x ND028770B-4R). Cross was made in North Dakota and selected in Idaho. Medium late maturity. Large vine size. Dark red purple flower color.

Uses: fresh

Strength: very nice skin and flesh, BOT-, very dark skin

Weakness:

Cutting Notes: nice color

**NDTX5438-11R (007)**-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

Cutting Notes: nice color

**ATTX98453-6R (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

Cutting Notes:

**BTX2332-1R (009)**-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??

Cutting Notes:

**COTX02172-1R (010)**-Oblong Red. Parentage (CO94065-2R x ND3574-5R). Cross was made in Colorado and selected in Texas. Medium early maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength:

Weakness: too oblong? Small, low yield, drop, small, light skin, shape? Internals?? Poor shape, sprouts ++

Cutting Notes: red streaks in flesh

**COTX02293-4R (011)**-Oblong Red. Parentage (NDC5281-2R x ND3574-5R). Cross was made in Colorado and selected in Texas. Medium early maturity. Medium vine size. Lavender flower color.

Uses: fresh

Strength: nice flesh small, nice skin set, smooth, nice shape

Weakness: light skin low yield

Cutting Notes:

**COTX05211-5R (012)**-Oblong Red. Parentage (CO98012-5R x CO00278-4R). Cross was made in Colorado and selected in Texas. Medium early maturity. Medium vine size. Lavender flower color.

Uses: fresh



Strength:  
Weakness:  
Cutting Notes:

**COTX07054-2R (013)**-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+  
Cutting Notes:

**NDTX050070-1R (014)**-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  
Cutting Notes:

**NDTX081572B-1R (015)**-Round Red Parentage (ND 4659-5R X ND 028940B-102R). Cross was made in North Dakota and selected in Texas.

Uses: fresh  
Strength: nice small shape, smooth small potato candidate  
Weakness: light set light skin, low yield  
Cutting Notes:

**NDTX092231C-1R (016)**-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  
Cutting Notes: smooth

**NDTX4784-7R (017)**-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  
Cutting Notes: smooth, nice

**TX08375-3R (018)**-Round Red Parentage (CO97222-1R/R x POR02PG26-5) Cross was made and selected in Texas.

Uses: fresh  
Strength: nice shape and skin color, nice shape good skin set move to small potato  
Weakness: poor shape, small+

Cutting Notes:

**TX11448-2R (019)**-Oblong Red Parentage (Rio Rojo x COTX94218-1R) Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness: some feathering

Cutting Notes:

**TX11448-3R (020)**-Oblong Red. Parentage (Rio Rojo x COTX94218-1R) Cross was made and selected in Texas.

Uses: fresh

Strength: nice shape

Weakness: light skin

Cutting Notes:

### **Red Skin Yellow Flesh**

**ATTX00289-5R/Y (021)**-Oblong Red/Yellow Parentage (NDA5507-3 X TXA1655-1DY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**ATTX98444S-16R/Y (022)**-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

Cutting Notes:

**ATTX98514-1R/Y (023)**-Oblong Red 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++

Cutting Notes:

**BTX2103-1R/Y (024)**-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

Cutting Notes:

**CO04021-2R/Y (025)**-Oblong Red/Yellow. Parentage (ATC98509-1R/Y x US147-96R/Y). Cross was made and selected in Colorado. Medium maturity. Medium-large vine size. Light purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**CO05037-2R/Y (026)**-Oblong Red. Parentage (AC99330-1P/Y x CO97227-2P/PW). Cross was made and selected in Colorado. Medium maturity. Medium vine size. Red-Purple flower color.

Uses: fresh

Strength: fingerling, nice flesh

Weakness: silver scurf not much curve, slight purple streaks in flesh

Cutting Notes: red streaks in flesh

**COA07365-4RY (027)**-Oblong Red. Parentage (US147-96 x CO99256-2R). Cross was made in Colorado and selected in Idaho. Medium-early maturity. Medium vine size. Medium Red-Purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**Sierra Rose (028)**-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

Cutting Notes:

**TX11458-1R/Y (029)**-Long Red Parentage (Rio Rojo x ATTX98444-16R/Y) Cross was made and selected in Texas.

Uses:

Strength: nice shape, nice flesh

Weakness:

Cutting Notes:

**TX11458-2R/Y (030)**-Oblong Red Parentage (Rio Rojo x ATTX98444-16R/Y) Cross was made and selected in Texas.

Uses:

Strength: nice flesh

Weakness: feathering

Cutting Notes:

**TX11458-3R/Y (031)**-Oblong Red Parentage (Rio Rojo x ATTX98444-16R/Y) Cross was made and selected in Texas.

Uses:

Strength: nice skin and flesh

Weakness: small

Cutting Notes:

### **Purple Skin**

**A05180-3PY (032)**-Round Purple Pinto. Parentage (ATND9331-2 x VC1075-1R). Cross was made and selected in Aberdeen. Medium maturity. Medium vine size. Dark Red Purple flower color.

Uses: fresh

Strength: nice skin and flesh nice color,

Weakness: rough, deeper eyes stolon attachment, some feathering, light flesh rough, silver scurf, some feathering

Cutting Notes:

**AC05175-3P/Y (033)**-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

Cutting Notes:

**ATTX10262-1PU (034)**-Round Purple. Parentage (A02267-2PY x NorDonna). Cross was made in Aberdeen, tuberling produced in Texas and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**ATTX10265-8P/Y (035)**-Oblong Purple/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:

Cutting Notes:

**ATX08121-3P/Y (036)**-Round Purple/Yellow. Parentage (A02267-5PY x CO98012-5R). Cross was made in Aberdeen, and selected in Texas.

Uses: fresh

Strength:  
Weakness:  
Cutting Notes:

**COTX10138-18P/Y (037)**-Oblong Purple. Parentage (AC99329-7PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh  
Strength: nice shape, very nice flesh  
Weakness: some silver scurf  
Cutting Notes:

**COTX10138-19P/Y (038)**-Oblong Purple. Parentage (AC99329-7PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness: silver scurf, sticky stolon  
Cutting Notes:

**TX10437-10P (039)**-Round Purple. Parentage (AOTX93483-1R x ATTX98500-3PW/Y). Cross was made and selected in Texas.

Uses: fresh  
Strength: nice skin color very nice, PVP, BOT, good skin set, nice flesh, yield+, nice skin large tubers  
Weakness: some feathering  
Cutting Notes: feathering

**NDTX091886-3P/P (040)**-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  
Cutting Notes:

**TX09429-1P/P (041)**-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  
Cutting Notes:

**COTX04050S-1P/P (042)**-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

Cutting Notes:

**NDTX092238CS-1P/W (043)**-Round Purple Parentage (ND 049326C-2P x ND 8555-8R) Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice skin color, very nice skin, very white flesh nice bright purple color very nice skin and shape

Weakness: some feathering, some larger tubers nipples average for shape Cutting Notes: nice shape and size

Cutting Notes:

**NDTX092238CS-3P/W (044)**-Round Purple Parentage (ND 049326C-2P x ND 8555-8R) Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: nice shape and skin, nice size nice shape

Weakness: move to red trial? Larger tubers, too big, feathering white flesh poor skin finish, knobs, check tuber count

Cutting Notes:

**NDTX092238CS-4P/W (045)**-Round Purple Parentage (ND 049326C-2P x ND 8555-8R) Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: very nice skin nice color nice skin

Weakness: some feathering white flesh stolon attachment poor shape, drop

Cutting Notes:

**TX09406S-1P/P (046)**-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

Cutting Notes:

**COTX08365F-1P/P (047)**-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

Cutting Notes:

**COTX08365F-3P/P (048)**-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++

Cutting Notes:

## **Fingerling**

**NDTX102903-6R/R (049)**-Oblong Red. Parentage (ND060806-1R x ND4659-5R). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength: red-purple skin color

Weakness: some road map, pale red flesh

Cutting Notes:

**Banana (050)**-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

Cutting Notes:

**COTX08044F-1R/R (051)**-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

Cutting Notes: nice red flesh

## **Small Potato**

**ATX05175S-1R/Y (052)**-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 #

Cutting Notes:

**ATX05186S-1R (053)**-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

Cutting Notes:

**ATX06264S-4R/Y (054)**-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

Cutting Notes:

**COTX04193S-2R/Y (055)**-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

Cutting Notes:

**COTX10073S-1W (056)**-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 russeting, very nice BOT, CM to Kelly, nice shape and size,

Weakness: chip?

Cutting Notes:

**COTX10138S-7W/Y (057)**-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

Cutting Notes:

**COTX10226S-1W/Y (058)**-Round White Parentage (CO04117-5PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: uniform nice small size and flesh, red splash

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

Cutting Notes:

**NDTX059886S-1W/Y (059)**-Round White Parentage (NDA5507-3 X TXA1655-1DY). Cross was made in North Dakota and selected in Texas.



Uses: fresh

Strength: nice round shape, shallow eyes, 1 rating if high tuber count, BOT, smooth, nice shape and flesh

Weakness:

Cutting Notes:

**NDTX071258BS-1R (060)**-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

Cutting Notes:

**NDTX081451CBS-1Y/Y (061)**-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

Cutting Notes:

**NDTX102639CS-1W (062)**-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

Cutting Notes:

**NDTX102816CABS-1W (063)**-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

Cutting Notes:

**NDTX113037C-2W (064)**-Oblong White. Parentage (Dakota Pearl x ND060705C-8). Cross was made in North Dakota and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**TX11448S-4R (065)**-Round Red. Parentage (Rio Rojo x COTX94218-1R) Cross was made and selected in Texas.

Uses: fresh

Strength: nice shape nice round shape, good skin finish, check tuber count

Weakness: light skin

Cutting Notes:

**TX12471-10W/Y (066)**-Oblong White/Yellow. Parentage (COTX94218-1R x CO04021-2R/Y) Cross was made and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

### **White Skin Yellow Flesh**

**Yukon Gold (067)**-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

Cutting Notes:

**Sierra Gold (068)**-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:

Cutting Notes:

**A05182-7Y (069)**-Round Yellow/Pink Eye. Parentage (ATND93331-2 x A99433-5Y). Cross was made and selected in Aberdeen. Medium-late maturity. Medium vine size. White flower color.

Uses: fresh

Strength: white skin, small potato, nice, BOT- yield heavy set smooth skin nice small

Weakness: light skin not red skin sticky stolon

Cutting Notes:

**ATX05202S-3W/Y (070)**-Oblong White/Yellow. Parentage (A00286-3Y x A99433-5Y). Cross was made in Aberdeen and selected in Texas. Late maturity. Large vine size. Lavender flower color.

Uses: fresh

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

Weakness:

Cutting Notes:

**CIT #3 (071)**-Long-Oblong Splash/Yellow. Parentage (Barbara x Monalisa). Variety entered by

Agriculture and Agri-Food Canada. Late maturity.

Uses: fresh

Strength: above average appearance; smooth light yellow skin resistance to golden nematode, extreme resistance to PVY

Weakness:

Cutting Notes:

**CIT #6 (072)**-Parentage (??). Variety entered by Agriculture and Agri-Food Canada.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**CO05035-1PW/Y (073)**-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

Cutting Notes:

**CO05037-3W/Y (074)**-Oblong White. Parentage (AC99330-1P/Y x CO97227-2P/PW). Cross was made and selected in Colorado. Early maturity. Med-Large vine size. Light Purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**CO07131-1W/Y (075)**-Round White. Parentage (PA4X137-12 x 4X91E22). Cross was made and selected in Colorado. Medium maturity. Red-purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**CO07370-1W/Y (076)**-Round White. Parentage (US147-96 x CO01399-10P/Y). Cross was made and selected in Colorado. Medium late maturity. White flower color.

Uses: fresh

Strength: pinto heavy set nice flesh

Weakness:

Cutting Notes:

**COTX03134-1W (077)**-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

Cutting Notes:

***NDA081451CB-ICY (078)***-Round Yellow. Parentage (Dakota Diamond x ND 039173CAB-22). Cross was made in North Dakota and selected in Idaho. Medium early maturity. Medium vine size. White flower color.

Uses: fresh

Strength: nice shape nice size, small potato, uniform size, very light russet, some buff, nice flesh

Weakness: small, sticky stolons++

Cutting Notes:

***TXWL-1 (079)***-Oblong White. Parentage (Triumph x Katahdin).

Uses: fresh

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

Weakness: oversized, deep eyes

Cutting Notes:

***BTX1749-1W/Y (080)***-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.

Strengths: keep for ZC

Weaknesses: deep nose, Rhizoctonia, drop

Cutting Notes:

***COTX05249-3WRE/Y (081)***-Round White-Red Eye/Yellow. Parentage (CO00320-1R x ATC98509-1R/Y) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: soft

***COTX07382-2W/Y (082)***-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

Cutting Notes: soft

***COTX10097-2W/Y (083)***-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

Cutting Notes:

**COTX10138-16W/Ypinto (084)**-Oblong Pinto. Parentage (AC99329-7PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses:

Strength: nice shape

Weakness: small, 10% ZC? Faded purple skin

Cutting Notes:

**COTX10138-8W/Ypinto (085)**-Oblong Pinto. Parentage (AC99329-7PW/Y x AC03534-2R/Y). Cross was made in Colorado and selected in Texas.

Uses:

Strength: nice shape

Weakness: faded purple skin, poor internals

Cutting Notes:

**NDTX059759-3RY/Y Pinto (086)**-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

Cutting Notes: flat, red streaks in flesh

**NDTX113438CB-1WRSPL (087)**-Oblong White/Yellow. Parentage (ND050157B-1R x ND7743-2RS). Cross was made in North Dakota and selected in Texas.

Uses: fresh.

Strengths:

Weaknesses:

Cutting Notes:

### **Specialty Commercial Varieties**

**Alegria (088)**-Oblong White. Parentage (?).

Uses: fresh

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

Weakness: lenticels

Cutting Notes: smooth, big tubers

**Allora (089)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice shape

**Soraya (090)**-Oblong White. Parentage (??). Late maturity.

Uses: fresh

Strength: nice flesh,

Weakness: poor shape and yield poor internals, rough

**Wega (091)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes: smooth

**05-121 (092)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**05-152 (093)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**06-363 (094)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice fingerling

**08-181R (095)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice color

**08-407 (096)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**08-417P (097)**-Parentage (??).

Uses: fresh

Strength:

Weakness:  
Cutting Notes:

**Agila (098)**-Oblong White. Parentage (?).

Uses: fresh  
Strength:  
Weakness: poor shape, small, lenticels, poor shape  
Cutting Notes:

**Inara (099)**-Parentage (??).

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: nice shape

**Talent (100)**-Parentage (??).

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: small

**US 498-03 (101)**-Parentage (??).

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: poor shape

**Yukon Gold (102)**-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  
Cutting Notes: poor internals nice shape

**5MO383-10R (103)**-Parentage (??).

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: nice color

**Atrice (104)**-Parentage (??).

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice flesh

***Lanorma (105)***-Oblong White. Parentage (BYDAND X CAESAR). Cross made by DEN HARTIGH BV. Medium maturity. White flower color.

Uses: fresh

Strength: BOT, BOT++, very nice

Weakness:

Cutting Notes: nice

***Electra (106)***-Round White. Parentage (C1992/42 x Picasso). Cross made in Ireland

Uses: fresh

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

Weakness:

Cutting Notes: nice shape and color

***ATTX98453-6R (107)***-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

Cutting Notes:

***ATTX98453-6R (108)***-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

Cutting Notes:



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

### Russet Selections

**Ranger Russet (001)**-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, skinny, rough

Cutting Notes: poor shape

**Russet Burbank (002)**-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

Cutting Notes: growth cracks

**Russet Norkotah (003)**-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

Cutting Notes: poor shape

**Shepody (004)**-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

Cutting Notes: white skin

**Stampede Russet (005)**-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

Cutting Notes:

**ATX91137-1RU (006)**-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

Cutting Notes: BOT

**TX08352-5Ru (007)**-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

Cutting Notes:

**TXA549-1RU (008)**-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

Cutting Notes:

**COTX09022-3RuRE/Y (009)**-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:

Cutting Notes: shriveled

**COTX09052-2Ru (010)**-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

Cutting Notes: nice shape

**Russet Norkotah 278 (011)**-Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Cross was made and selected in North Dakota. Russet Norkotah 278 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:

Weakness: rough, low yield, curved, some rough too long, pointed  
Cutting Notes: nice

**Russet Norkotah 296(012)**-Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Cross was made and selected in North Dakota. Russet Norkotah 296 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:

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

Cutting Notes: nice

**A03141-6 (013)**-Oblong-Long Russet. Parentage (A098083-9 x Premier Russet). Cross was made and selected in Aberdeen. Early maturity. Medium-small vine size. White flower color.

Uses: process

Strength:

Weakness:

Cutting Notes: poor shape

**A03921-2 (014)**-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

Cutting Notes:

**A06021-1T (015)**-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

Cutting Notes: growth cracks, poor shape

**A06084-1TE (016)**-Long Russet. Parentage (A98345-1 x A97267-1). Cross was made and selected in Aberdeen. Medium maturity. Medium vine size. White flower color.

Uses: dual

Strength: nice shape

Weakness: rough, drop, low yield some pointed

Cutting Notes: poor shape

**A06862-18VR (017)**-Oblong Russet. Parentage (PA98V1-2 x A98345-1). Cross was made and selected in Aberdeen. Medium maturity. Medium vine size.

Uses: dual

Strength:

Weakness:

Cutting Notes: poor shape, shriveled

**A06914-3CR (018)**-Oblong Russet. Parentage (A00715-8 x Alpine Russet). Cross was made and selected in Aberdeen. Medium-early maturity. Medium-small vine size.

Uses: dual

Strength:

Weakness:

Cutting Notes: light russet

**AC05039-2RU (019)**-Oblong Russet. Parentage (A99032-2TE x COA00287-1). Cross was made in Aberdeen, and selected in Colorado. Early maturity. Medium-small vine size. White flower color.

Uses: dual

Strength: nice shape ok shape

Weakness: small, pointed

Cutting Notes: nice shape

**A001114-4 (020)**-Oblong-long Russet. Parentage (AO92017-6 x A86102-6). Cross was made in Aberdeen, and selected in Oregon. Medium-late maturity. Medium-large vine size. White flower color.

Uses: dual

Strength:

Weakness: curved, pointed, deep eyes blocky, drop, small, drop, some rough

Cutting Notes: poor shape, hollow heart

**A003123-2 (021)**-Oblong Russet. Parentage (A98082-17 x Premier Russet). Cross was made in Aberdeen and selected in Oregon. Medium-late maturity. Small-medium-large vine size. White flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes:

**AOR06070-1KF (022)**-Long Russet. Parentage (A96953-13 x A93005-10). Cross was made in Aberdeen and selected in Oregon.

Uses: process

Strength:

Weakness:

Cutting Notes: nice shape

**CO05068-1RU (023)**-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

Cutting Notes: blocky, hollow heart

**CO05110-6RU (024)**-Oblong Russet. Parentage (COA96054-3 x CO98009-3RU). Cross was made and selected in Colorado. Early maturity. Small-medium vine size. Red-Purple flower color.

Uses: dual

Strength:

Weakness:

Cutting Notes:

**CO05175-1RU (025)**-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

Cutting Notes: nice shape, hollow heart, flat

**OR05039-4 (026)**-Long White. Parentage (AO95245-2 x PA00N29-3). Cross was made and selected in Oregon. Early maturity. Medium vine size. White flower color.

Uses: process

Strength: light russet, nice shape

Weakness: pear shaped, light net, and pointed drop poor skin finish

Cutting Notes:

**POR06V12-3 (027)**-Oblong-Long Russet. Parentage (PA00V6-4 x PA01N22-1). Cross was made and selected in Oregon. Med-late maturity Med-large vine size White flower color.

Uses: dual

Strength: nice shape

Weakness: stem attachment, drop, small, light set hollow heart++, blocky

Cutting Notes: nice

**Fill (028)**-

**CO07015-4RU (029)**-Oblong Russet. Parentage (Fortress Russet x AC00033-2RU). Cross was made and selected in Colorado. Early maturity. White flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**CO07049-1RU (030)**-Long Russet. Parentage (AOA95155-7 x AC00594-4RU/Y). Cross was made and selected in Colorado. Medium maturity. Light Purple flower color.

Uses: fresh

Strength:

Weakness:

Cutting Notes: shriveled

**AORTX10121-2Ru (031)**-Oblong Russet. Parentage (A05079-12 x Dakota Trailblazer). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: fresh.

Strengths:

Weaknesses:

Cutting Notes: hollow heart

**AORTX10121-2Ru (031)**-Oblong Russet. Parentage (A05079-12 x Dakota Trailblazer). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: fresh.

Strengths:

Weaknesses:

Cutting Notes: hollow heart/browncenter

**AORTX11175-1Ru (032)**-Oblong Russet. Parentage (Blazer Russet x COA05149-2). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: fresh.

Strengths:

Weaknesses:

Cutting Notes: nice shape, tuber moth

**ATX07039-2Ru (033)**-Long-Russet. Parentage (Stampede Russet EM x AO0385-2 EM 400) Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh

Strength: nice shape, BOT- , large, early bulk++, nice flesh, BOT+

Weakness: some rough blocky, deep eyes

Cutting Notes: small tubers

**ATX00289-2Ru (034)**-Long Russet. Parentage (NDA5507-3 X TXA1655-1DY). Cross was made in Aberdeen and selected in Texas.

Uses: fresh

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

Weakness: small, skinny small some curved, shape not as good

Cutting Notes: small tubers

**ATX10148-1Ru (035)**-Oblong Russet. Parentage (A05355-1VR x Stampede Russet). Cross was made in Aberdeen, and selected in Texas.

Uses: fresh.

Strengths:

Weaknesses:

Cutting Notes:

**ATX10675-1Ru (036)**-Oblong Russet. Parentage (A05379-217 x Dakota Trailblazer). Cross was made in Aberdeen, and selected in Texas.

Uses: fresh.

Strengths: long nice shape, advance to WR, BOT-, BOT+

Weaknesses:

Cutting Notes: nice shape

**ATX84378-6Ru (037)**-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

Cutting Notes: small tubers

**COTX05095-2Ru/Y (038)**-Long Russet/Yellow. Parentage (CO99045-1W/Y X AO96164-1). Cross was made in Aberdeen and selected in Texas. Medium. Medium vine size. White flower color.

Uses: fresh

Strength: keep for yellow flesh, nice flesh, nice shape

Weakness: poor net light flesh, drop light net pointed, small

Cutting Notes: poor shape

**COTX08258-6Ru (039)**-Long Russet. Parentage (PA98V6-1 x Blazer russet) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: BOT-nice shape nice shape

Weakness: 1 ZC flat, skinny, drop better shape, drop+, small

Cutting Notes: poor shape

**COTX08322-10Ru (040)**-Oblong Russet. Parentage (Blazer Russet x AC96052-1RU) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: keep nice shape

Weakness: small blocky, large tubers

Cutting Notes:

**Fill (041)**-

**COTX09042-2Ru (042)**-Long Russet. Parentage (CO99053-3RU x CO03202-1RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice skin

Weakness: small, blocky

Cutting Notes: small tubers, nice

**COTX09052-1Ru (043)**-Long Russet. Parentage (CO03202-1RU x CO98067-7RU) Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: BOT- nice shape,

Weakness: late small light net, skinny, too small

Cutting Notes: small tubers

**Fill (044)**-

**COTX10010-1Ru (045)**-Parentage (A0008-1TE x CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes:

**COTX10080-2Ru (046)**-Parentage (CO03364-5RU x CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: nice shape

**COTX10080-3Ru (047)**-Parentage (CO03364-5RU x CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: shriveled

**COTX10080-5Ru (048)**-Oblong Russet. Parentage (CO03364-5RU x CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: small tubers

**COTX10111-8Ru (049)**-Oblong Russet. Parentage (Blazer Russet x CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice shape very nicety-, keep

Weakness: blocky light set

Cutting Notes: small tubers



**COTX10115-1Ru (050)**-Long Russet. Parentage (Classic Russet x CO99100-1RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: nice shape

Weakness: small

Cutting Notes: nice shape

**COTX10141-11Ru (051)**-Long Russet Parentage (AC00395-2RU x CO03177-2RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: smooth,

Weakness: blocky

Cutting Notes: smooth

**COTX10141-12Ru (052)**-Long Russet Parentage (AC00395-2RU x CO03177-2RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

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

Weakness: flat

Cutting Notes:

**COTX10141-13Ru (053)**-Long Russet Parentage (AC00395-2RU x CO03177-2RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength: fat tubers

Weakness: blocky oversized, pear shaped

Cutting Notes: poor shape

**COTX11001-1Ru (054)**-Parentage (Blazer Russet x CO98067-7RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: hollow heart

**COTX11018-1Ru (055)**-Parentage (AC00395-2RU x CO99100-1RU). Cross was made in Colorado and selected in Texas.

Uses: fresh

Strength:

Weakness:

Cutting Notes: hollow heart

**COTX11018-2Ru (056)**-Parentage (AC00395-2RU x CO99100-1RU). Cross was made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: hollow heart, growth cracks

**COTX11189-1Ru (057)**-Parentage (AC02708-1RU x CO05132-2RU). Cross was made in Colorado and selected in Texas.

Uses:  
Strength:  
Weakness:  
Cutting Notes: blocky

**COTX11206-1Ru (058)**-Parentage (AO00057-2 x AOTX96265-2RU). Cross was made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: large tubers

**COTX11222-9Ru (059)**-Parentage (AOTX96265-2RU x CO99100-1RU). Cross was made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: knobs, flat

**COTX11381-1Ru (060)**-Parentage (CO05206-8RU x Blazer Russet). Cross was made in Colorado and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes:

**TXNS410 (061)**-Oblong-Long Russet. Parentage (ND9526-4Ru x ND9687-5Ru). Cross was made and selected in North Dakota. TXNS410 is a mutant strain selection made in 1989 by Texas from the variety Russet Norkotah. Early maturity. Medium-large vine size. White flower color.

Uses: fresh  
Strength: keep, very nice shape  
Weakness: small, low yield  
Cutting Notes: curved

## **Chip**

**Atlantic (062)**-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

Cutting Notes:

***Snowden (063)***-Round White. Parentage (B5141-6 x Wischip. Cross was made and selected at the University of Wisconsin. Late maturity. Large vine size. White flower color

Uses: chip

Strength: high specific gravity, above average yields

Weakness:

Cutting Notes:

***AC00206-2W (064)***-Round White. Parentage (AC87340-2 x Dakota Pearl). Cross was made in Aberdeen, and selected in Colorado. Medium maturity. Medium-large vine size. White flower color.

Uses: chip

Strength: nice size, very nice shape, smooth

Weakness: light set

Cutting Notes: nice shape, oval

***AC03433-1W (065)***-Round White. Parentage (A94322-8C x COA96141-4). Cross was made in Aberdeen, and selected in Colorado. Medium-late maturity. Large vine size. Light Purple flower color.

Uses: chip

Strength:

Weakness:

Cutting Notes:

***AC03452-2W (066)***-Round White. Parentage (A98423-1C x COA96141-2C). Cross was made in Aberdeen, and selected in Colorado. Medium maturity. Medium-large vine size. White flower color.

Uses: chip

Strength: yield, heavy set, smooth

Weakness: rough+ some poor shape

Cutting Notes: BOT, nice

***AC05153-1W (067)***-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:

Cutting Notes: nice shape

***CO07070-10W (068)***-Oval White. Parentage (B0766-3T x CO00188-4W). Cross was made and selected in Colorado. Medium maturity. Light Purple flower color.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: nice shape

**CO07070-13W (069)**-Oval White. Parentage (B0766-3T x CO00188-4W). Cross was made and selected in Colorado. Early maturity. White flower color.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: uniform

**OR09256-2 (070)**-Round White. Parentage (Dakota Diamond x Russet Norkotah). Cross was made and selected in Oregon. Medium-late maturity. Medium-large vine size. White flower color.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: small, round

**AF 4157-6 (071)**-Round White. Parentage (Yankee Chipper x Dakota Pearl). Cross was made and selected in Maine. Early maturity.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: uniform

**AF 0338-17 (072)**-Round White. Parentage (AF303-5 x SA8211-6). Cross was made and selected in Maine. Medium maturity.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: uniform, small tubers

**AF 4648-2 (073)**-Round White. Parentage (NY132 x Liberator). Cross was made and selected in Maine. Medium maturity.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: smooth

**Atlantic (073)**-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  
Cutting Notes: large tubers, BOT

**BNC 182-5 (075)**-Parentage (??).

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: smooth, nice yellow flesh

**MSK 061-4 (076)**-Parentage (??).

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: smooth, small

**NY 148 (077)**-Parentage (??). Cross was made and selected at Cornell.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: smooth, small

**Waneta (078)**-Oblong White. Parentage (??). Cross made and selected at Cornell University.

Uses: chip  
Strength: nice shape  
Weakness: light set, low yield+, BOT  
Cutting Notes: smooth, nice shape

**Kea (079)**-Parentage (??).

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: smooth, small

**Baltic Cream (080)**-Round White. Parentage (?). Produced by Norika America.

Uses: fresh  
Strength: very nice, nice size  
Weakness: small+, heat sprouts low yield road map  
Cutting Notes: smooth, light, yellow flesh

**CIT#1 (081)**-Parentage (??). Variety entered by Agriculture and Agri-Food Canada. Late maturity.

Uses: chip  
Strength:  
Weakness:

Cutting Notes: small tubers, nice shape

**CIT#5 (082)**-Oval White. Parentage (N0637-6 x AC Chaleur). Cross was made and selected in Fredericton, New-Brunswick. Late maturity. Variety entered by Agriculture and Agri-Food Canada.

Uses: chip

Strength:

Weakness:

Cutting Notes: small tubers, uniform

**CIT#7 (083)**-Parentage (??). Variety entered by Agriculture and Agri-Food Canada.

Uses: chip

Strength:

Weakness:

Cutting Notes: smooth

**CIT#8 (084)**-Parentage (??). Variety entered by Agriculture and Agri-Food Canada.

Uses: chip

Strength:

Weakness:

Cutting Notes: smooth

**AORTX09033-9W (085)**-Parentage (CO96141-4W x Ivory Crisp). Cross was in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: large tubers

**AORTX11455-4W (086)**-Parentage (A00206-1C x MSJ316A-LF). Cross was in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes:

**ATTX11476-12W (087)**-Parentage (A05158-2C X MSJ316A-LF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: large tubers, poor shape

**ATTX11476-2W (088)**-Parentage (A05158-2C X MSJ316A-LF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: large tubers

**ATX11476-3W (089)**-Parentage (A05158-2C X MSJ316A-LF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: fresh  
Strength:  
Weakness:  
Cutting Notes: large tubers

**ATX11461-3W (090)**-Parentage (A01143-3C x 00-3115-11). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: hollow heart

**NDTX113030C-3W (091)**-Parentage (Dakota Diamond x ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: large tubers

**NDTX113030C-5W (092)**-Parentage (Dakota Diamond x ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes:

**NDTX113030C-6W (093)**-Parentage (Dakota Diamond x ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:  
Weakness:  
Cutting Notes: large tubers

**NDTX113467CB-1W (094)**-Parentage (ND060485Cb-1 x ND7519-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength:

Weakness:

Cutting Notes: nice size

**TX12479-1W (095)**-Parentage (Atlantic x TX08402) Cross was made and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: large tubers

**COTX10031-1W (096)**-Round White. Parentage (AC01151-5W x CO02033-1W). Cross was made in Colorado and selected in Texas.

Uses: chip

Strength: nice shape, BOT-,

Weakness:

Cutting Notes:

**COTX10076-11W (097)**-Oblong White. Parentage (CO03243-3W x CO02024-9W). Cross was made in Colorado and selected in Texas.

Uses: chip

Strength: very nice shape, BOT-

Weakness:

Cutting Notes:

**COTX10076-1W (098)**-Round White. Parentage (CO03243-3W x CO02024-9W). Cross was made in Colorado and selected in Texas.

Uses: chip

Strength: smooth,

Weakness:

Cutting Notes: nice shape

**COTX10076-7W (099)**-Round White. Parentage (CO03243-3W x CO02024-9W). Cross was made in Colorado and selected in Texas.

Uses: chip

Strength: nice shape

Weakness: small

Cutting Notes: small tubers, uniform

**COTX10079-11W (100)**-Oblong White. Parentage (CO03273-7W x CO02321-4W). Cross was made in Colorado and selected in Texas.

Uses: chip

Strength: smooth

Weakness: hollow heart

Cutting Notes: large tubers



**NDTX060700C-1W (101)**-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

Cutting Notes: small tubers

**NDTX071109C-1W (102)**-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

Cutting Notes:

**NDTX081644CAB-2W (103)**-Round White. Parentage (ND 8331Cb-3 X ND 028804CAb-5) Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: nice flesh

Weakness: too small, internals?

Cutting Notes: feathering

**NDTX081648CB-13W (104)**-Round White. Parentage (ND 8456-1 xND7377CB-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

Cutting Notes: poor shape

**NDTX091908AB-2W (105)**-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

Cutting Notes:

**NDTX102461AB-4W (106)**-Oblong White Parentage (Ivory Crisp x ND 060421Ab-1). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: smooth skin, nice shape

Weakness:

Cutting Notes: feathering

**NDTX102462C-6W (107)**-Round White Parentage (Ivory Crisp x ND 060831C-1) Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: nice smooth, BOT yield+, heavy set, smooth,  
Weakness:  
Cutting Notes:

**NDTX102514ABC-5W (108)**-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  
Cutting Notes: feathering

**NDTX102640Cb-1W (109)**-Round White Parentage (ND7550c-1 x ND071006B-2). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: heavy set, uniform  
Weakness:  
Cutting Notes: feathering

**NDTX102643CAB-1W (110)**-Round White Parentage (ND7799c-1 x ND060380Ab-5). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: smooth  
Weakness: poor internals  
Cutting Notes: feathering

**NDTX102702C-1W (111)**-Oblong White Parentage (ND049326C-2P x ND059978C-1). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: large tubers  
Weakness:  
Cutting Notes: feathering

**NDTX102852CB-3Ru (112)**-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:  
Cutting Notes: Atlantic like

**NDTX102852CB-4Ru (113)**-Oblong Russet Parentage (ND060607B-4 x ND060831C-6). Cross was made in North Dakota and selected in Texas.

Uses: chip  
Strength: nice shape

Weakness: hollow heart, large tubers

Cutting Notes: too long

**NDTX113059-1W (114)**-Oblong White Parentage (Ivory Crisp x ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: smooth

Weakness:

Cutting Notes: feathering

**NDTX113218C-2W (115)**-Oblong White Parentage (ND860-2 x ND5873-53). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: better shape

Weakness: poor shape

Cutting Notes: variable size

**NDTX113218C-3W (116)**-Oblong White Parentage (ND860-2 x ND5873-53). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: nice shape, BOT-, smooth

Weakness:

Cutting Notes:

**NDTX113266C-1W (117)**-Oblong White Parentage (ND5873-53 x ND7192-1). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: heavy set

Weakness: too oblong, shape??

Cutting Notes:

**NDTX113277-1W (118)**-Oblong White Parentage (ND7192-1 x Ivory Crisp). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength:

Weakness: some rough, hollow heart, poor shape

Cutting Notes: poor shape

**TX09396-1W (119)**-Oblong White Parentage (Atlantic x NY139) Cross was made and selected in Texas.

Uses: chip

Strength: large tubers, nice light set

Weakness: rough, large tubers

Cutting Notes: feathering

**TX09403-14W (120)**-Round White Parentage (NY138 x Ivory Crisp) Cross was made selected in Texas.

Uses: chip

Strength: very nice shape, uniform, BOT, yield+, heavy set nice shape and size

Weakness:

Cutting Notes: nice ideal shape, BOT

**Waneta (121)**-Oblong White. Parentage (??). Cross made and selected at Cornell University.

Uses: chip

Strength: nice shape

Weakness: light set, low yield+,

**WTX10640-2W (122)**-Round White Parentage (Torridon x A-32) Cross was made in Wisconsin and selected in Texas.

Uses: chip

Strength

Weakness: poor shape++, very small

Cutting Notes: small tubers

**WTX10640-3W (123)**-Round White Parentage (Torridon x A-32) Cross was made in Wisconsin and selected in Texas.

Uses: chip

Strength

Weakness: poor internals, small, poor shape

Cutting Notes: small tubers

**WTX10646-2W (124)**-Oblong White Parentage (W2324-1 x Eva) Cross was made in Wisconsin and selected in Texas.

Uses: chip

Strength:

Weakness:

Cutting Notes: large tubers

**NDTX102796CbS-2W (125)**-Round White. Parentage (ND059999C-4 x ND060618CB-3). Cross was made in North Dakota and selected in Texas.

Uses: chip

Strength: smooth skin round

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

Cutting Notes: nice shape

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