

# 2010 Annual Potato Field Day Texas Potato Variety Development Program



Thursday July 15, 2010

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

Cooperator: Springlake Potato Sales, Inc

# 2010 Field Day Handbook

## Texas Potato Variety Development Program

<http://potato.tamu.edu>

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Department of Horticultural Sciences



Texas A&M University

July 15, 2010

Hosted by Springlake Potato Sales, Inc.

Frank Barrett

Bruce Barrett

Funds Received to Support  
The Texas Potato Variety Development Program  
July 1, 2009- June 30, 2010

USDA/CSREES (Special Research Grants Program, Potato Research)	\$32,850
Royalty returned to program	\$45,127
Zebra Chip (State Initiative)	\$31,500
Zebra Chip (SCRI)	\$40,000
	<b>\$149,477</b>

**Expected but not received:**

USDA/CSREES (Special Research Grants Program, Potato Research)	\$45,800
Zebra Chip (State Initiative)	\$31,500
Zebra Chip (SCRI)	\$40,000
Royalty (Estimated)	\$40,000
USPB Chip Initiative	\$10,000
	<b>\$167,300</b>

**In-kind support:**

CSS Farms (Milt Carter, Grant Monie, Jerry Henderson, John Wallace and Randy Spevak)	\$25,000
Springlake Potato Sales (Frank and Bruce Barrett, Cliff Black, and Tim Gonzales)	\$25,000
	<b>\$50,000</b>

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

Creighton Miller – Project Leader  
 Jeff Koym – Research Associate  
 Douglas Scheuring – Senior Research Associate  
 Sarah Turner and Tulle Alexander - Graduate Students  
 Anupama Pathi – Graduate Student Worker (Tissue Culture/virus eradication)  
 Rafe Wenner and Angel Chappell – Student Workers



## 2010 Springlake Plot Plan

RLS											sdlgs		sdlgs			
RLS											sdlgs		sdlgs			
RLS											sdlgs		sdlgs			
RLS											sdlgs		sdlgs			
RLS											sdlgs		sdlgs			
RLS											sdlgs		sdlgs			
RLS	RDW						TXRD/Y				sdlgs		sdlgs			
RLS											sdlgs		sdlgs			
RLS		TXWH/Y									sdlgs		sdlgs			
RLS											sdlgs		sdlgs			
RLS	R-P/R-P												sdlgs			
RLS													sdlgs			
RLS		WH/Y			TXRU								sdlgs			
RLS	TXFING												sdlgs			
RLS													sdlgs			
RLS							RD/Y						sdlgs			
RLS													sdlgs			
RLS	TXSM												sdlgs			
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RLS													sdlgs			
RLS	FDTRD/SPC		FDTRU/CH		RU		TXRD		TXCH		CHIP		sdlgs	French		NATCH
	Fill	Blank	Fill	Blank	Fill	Blank	Fill	Blank	Fill	Blank	Fill	Blank	sdlgs	Fill	Blank	Fill
1-2	3-12	13-14	15-24	25-26	27-36	37-38	39-48	49-50	51-60	61-62	63-72	73-74	75-86	87-96	97-98	99-114

## Texas Potato Variety Development Program 2010 Trials

Location	Trial	Planted
Springlake	Field Day - Red/Specialty (72)	4/1/10
	Texas Advanced Selection - Small Potatoes (8)	4/1/10
	Texas Advanced Selection - Fingerlings (4)	4/1/10
	Texas Advanced Red/Purple Skin, Red/Purple Flesh (4)	4/1/10
	Red Skin - White Flesh (17)	4/1/10
	Field Day - Russets/Chip (121)	3/30/10
	White Skin - Yellow Flesh (11)	3/30/10
	Texas Advanced Selections - White Skin Yellow Flesh (16)	3/30/10
	Russets(29)	3/31/10
	Texas Advanced Selections - Russets (19)	3/31/10
	Texas Advanced Selections - Red (12)	3/30/10
	Red Skin, Yellow Flesh (11)	3/30/10
	Texas Advanced Selections Red Skin - Yellow Flesh (16)	3/30/10
	Texas Advanced Selections - Chip (28)	3/31/10
	Chips (18)	3/31/10
	Ron French (15)	4/5/10
	National Breeders - Chip (266)	4/1/10
	First Year Seedlings (6,860)	4/1/10
Bushland	Irrigation Study (15)	4/30/10
Dalhart	National Breeders Chip (246)	5/6/10
	Texas Advanced Red Selections (25)	5/6/10
	09 Red Selection (55)	5/6/10
	Texas Advanced Red Skin, Yellow Flesh Selections (27)	5/6/10
	09 Red Skin Yellow Flesh (18)	5/6/10
	Texas Advanced - Small Potatoes Selections (11)	5/6/10
	09 Small Potato Selections (10)	5/6/10
	Texas Advanced Fingerling Selections (10)	5/6/10
	09 Fingerling Selections (18)	5/6/10
	Texas Advanced - Purple Skin, Purple Flesh Selections (3)	5/6/10
	Texas Advanced White Skin, Yellow Flesh Selections (24)	5/6/10
	09 White Skin, Yellow Flesh Selections (34)	5/6/10
	Western and Southwest Chips (19)	5/6/10
	Texas Advanced Chip Selections (28)	5/6/10
	09 Chip Selections (26)	5/6/10
	Texas Advanced Russet Selections (40)	5/6/10
	09 Russet Selection (104)	5/6/10
Seedlings (77,784)	5/7/10	

## Seedlings for Selection in Texas - 2010

### Seedlings planted at Springlake

<u>Source</u>	<u>Families</u>	<u>Total Planted</u>
Aberdeen	62	6,860
Oregon	198	20,696
<b>Total</b>	<b>260</b>	<b>27,556</b>

### Seedlings planted at Dalhart

<u>Source</u>	<u>Families</u>	<u>Total Planted</u>
Colorado	93	20,020
Texas	79	15,452
Oregon	99	10,000
North Dakota	126	11,616
<b>Total</b>	<b>397</b>	<b>57,088</b>

**Grand Total – 84,644** seedlings from **657** families (crosses) were planted in 2010.

## 2010 Field Day Trial in Entry Order

### Red and Specialty Selections/ Varieties

#### Small Potato Selections

**ATX98444-16R/Y (001)** - Oblong Red/Yellow. Parentage (A83360-9R X T48YF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths: very nice, nice skin finish, nice size and shape BOT

Weaknesses: silver scurf, some big tubers

Cutting Notes: nice

**ATX02263-1R/Y (003)** - Oblong Red/Yellow. Parentage (Inca Gold x A92653-6R). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: slight buff BOT-, BOT

Weaknesses: some pointed, too big, drop?

Cutting Notes: firm

**ATX03546-1W/Y (005)** - Oblong White/Yellow. Parentage (ATA98472-2Y x A97523-1RY). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: nice skin finish, small potato, very yellow flesh

Weaknesses: heat sprouts

Cutting Notes: firm, nice shape, light skin, no purple streaks

**ATX05202-3W/Y (007)** - Oblong White/Yellow. Parentage (A00286-3Y x A99433-5Y). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: nice, heavy set, nice flesh, nice skin finish, BOT

Weaknesses: drop

Cutting Notes: firm, lot of ZC, BOT

**ATX9132-2Y (009)** - Round Yellow/Yellow. Parentage (?). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: parent

Weaknesses: rough, Rhizoctonia, many very small tubers, deep eyes, drop++

Cutting Notes: sprouts++, very deep eyes

**COTX04050-1P/P (011)** - Oblong Purple/Purple. Parentage (CO97215-2P/P x CO97306-2P/P). Cross was made in Colorado and selected in Texas

Uses: Specialty.

Strengths: Anthocyanin studies, solid purple flesh, keep BOT++

Weaknesses: med buff skin, white center

Cutting Notes: dark flesh, some with white streaks

**COTX05037-4Y/Y (013)** - Oblong Yellow/Yellow. Parentage (AC99330-1P/Y x CO97227-2P/PW). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: BOT+

Weaknesses: some big tubers, poor shape, processing problems, chain tubers, Rhizoctonia, poor shape, drop++

Cutting Notes: nice shape, color, and flesh



**NDTX059886-1Y/Y (015)** - Oblong Yellow/Yellow. Parentage (ND 7192-1 x ND 8178-1Y). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: smooth heavy set, nice, parent, BOT+

Weaknesses: internal??, some big tubers, low yield, too large

Cutting Notes: too large??

## **Fingerling Selections**

**Banana(017)** - 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: Specialty.

Strengths: Heavy Set

Weaknesses: greenheads, Rhizoctonia, crooked, rough, second growth, lenticels, curved, poor shape, heat sprouts

Cutting Notes: curved, rough, light flesh

**Purple Peruvian (019)** - Long Purple/Purple. Parentage (??).

Uses: Specialty

Strengths: purple with white flesh

Weaknesses: deep eyes, drop

Cutting Notes: deep eyes

**COTX03187-1W (021)** - Long White. Parentage (AC89536-5RU x A9304-3). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: nice flesh, smooth, very white flesh

Weaknesses: second growth, can oversize, lenticels

Cutting Notes: nice shape, too large??

**PTTX05PG07-1W (023)** - Long White. Parentage (POR01PG22-1 x OR00067-7). Cross was made in Prosser, Washington, tuberling produced in Texas and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses Rhizoctonia low yield+,

Cutting Notes: nice shape, BOT

## **Purple/ Purple Flesh Selections**

**Purple Majesty (025)** - Oblong Purple/Purple. Parentage (ND2008-2 x All Blue). Cross made and selected in Colorado. Late maturity. Large vine size. Blue flower color

Uses: Specialty.

Strengths: yield+, small, smooth

Weaknesses: road map, alligator skin, silver scurf

Cutting Notes: very dark flesh, nice shape

**TC02072-3P/P (027)** - Long Purple/Purple. Parentage (All Blue x NDC4069-1R/R). Cross made in Texas and selected in Colorado. Very early maturity. Medium vine size. Blue-purple flower color

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: longer than Purple Majesty, very dark flesh

**CO111F2-1 P/P (029)** - Oblong Purple/Purple. Parentage (??). Cross made and selected in Colorado.

Uses: Specialty.

Strengths: high in anti-oxidants

Weaknesses:

Cutting Notes: very dark flesh

**COTX05082-2P/P (031)** - Oblong Purple/Purple. Parentage (CO97227-2P/P x WMSG147-3). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: keep, very dark flesh

Weaknesses:

Cutting Notes: rough, deep eyes, very dark flesh, keep for flesh, darkest flesh

## Red White Flesh Selections

**Dark Red Norland (033)** - Oblong Red. Parentage (Redkote x ND626). Cross was made and selected in North Dakota. Dark Red Norland is a clonal selection made by Stan Barrett of Texas and propagated by Gene Shaver, Nebraska. Early maturity. Medium vine size. Purple flower color.

Uses: Fresh.

Strengths: Early maturity, dark red tubers, high resistance to PVA and moderate resistance to common scab, PVY and PLRV.

Weaknesses: Tuber skin color will fade if allowed to fully mature, tubers exhibit variable tuber color and size, enlarged lenticels, will heat sprout and hollow heart, susceptible to PVS and early and late blights, rough, deep eyes, faded red skin, russetting silver scurf+, pointed Rhizoctonia

Cutting Notes: nice

**Red LaSoda (035)** - Oblong Red. Parentage (Triumph x Katahdin). Cross was made and selected in Louisiana. Red LaSoda is a clonal selection from LaSoda made by Louisiana. Medium maturity. Medium-large vine size. Purple flower color.

Uses: Fresh.

Strengths: High yields, wide adaptability, nice white flesh.

Weaknesses: Deep eyes, light color, occasional hollow heart, occasional growth cracks, susceptible to PVX, PVY, PVS, PVM, PLRV, early and late blights, scab, corky ring spot, bacterial wilt, and Rhizoctonia, tubers can over-size and have poor skin set.

Cutting Notes: deep eyes

**BTX2332-1R (037)** - Round Red. Parentage (B1523-4 x Super Red Norland). Cross was made in Beltsville, Maryland and selected in Texas. Medium maturity. Large vine size. Lavender flower color

Uses: Fresh.

Strengths: yield+, heavy set, BOT+++

Weaknesses: Rhizoctonia+, oversize, poor internals

Cutting Notes: smooth, nice color and shape, BOT

**CO99076-6R (039)** - Round Red. Parentage (AC91848-1 x Rio Colorado). Cross was made and selected in Colorado. Early maturity. Medium vine size. Red-purple flower color

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: nice dark skin color

**CO99256-2R (041)** - Oblong Red. Parentage (Rio Colorado x Colorado Rose). Cross was made and selected in Colorado. Medium maturity. Large vine size. Purple flower color

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: nice

**COTX94216-1R (043)** - Round Red. Parentage (Purple Peruvian x Chipeta). Cross was made in Colorado and selected in Texas. Medium maturity. Medium vine size. Purple flower color.

Uses: Fresh.

Strengths: nice shape, yield+, heavy set

Weaknesses: zipper eyes, road map, poor skin finish, silver scurf, Rhizoctonia+, second growth, deep eyes, drop++

Cutting Notes: very nice

**COTX94218-1R (045)** - Round Red. Parentage (Red Ruby x Red Gold). Cross was made in Colorado and selected in Texas. Medium maturity. Large vine size. Lavender flower color.

Uses: Fresh.

Strengths: yield, white flesh, nice shape

Weaknesses: late, Rhizoctonia, stick stolon, drop+++

Cutting Notes: very nice

**AOTX91861-4R (047)** - Oblong Red. Parentage (Red LaSoda X ND2224-5R). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium-late maturity. Medium vine size. Red-purple flower color.

Uses: Fresh.

Strengths: yield+ Red LaSoda like, yield+, Advance to SW

Weaknesses: deep eyes, Rhizoctonia++, drop?

Cutting Notes: nice

**ATTX98453-11BR (049)** - Round Red. Parentage (A93490-1R X A91846-5R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas. Early-medium maturity. Small-medium vine size. Lavender flower color.

Uses: Fresh.

Strengths: Nice shape & color, nice internals, nice skin finish, BOT+

Weaknesses:

Cutting Notes: nice shape and skin

**NDTX5003-2R (051)** - Round Red. Parentage (ND3504-3R x ND2050-1R). Cross was made in North Dakota and selected in Texas. Very early maturity. Small vine size. Lavender flower color

Uses: Fresh.

Strengths: nice, nice flesh, BOT

Weaknesses: Rhizoctonia+

Cutting Notes: nice shape

**NDTX5438-11R (053)** - 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.

Strengths: yield, heavy set, nice skin finish, nice flesh, advance to SW TC BOT-BOT+

Weaknesses: skin finish?, low yield, silver scurf, some pointed, mixed shape, Rhizoctonia++

Cutting Notes: very nice

**ATTX01178-1R (055)** - Round Red. Parentage (ND5084-3R x Winema). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths: nice shape

Weaknesses: Rhizoctonia+, Red LaSoda like, deep eyes, drop

Cutting Notes: nice, Rhizoctonia

**ATTX88481-1P/W (057)** - Oblong Purple. Parentage (A83302-1 x Bison). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes:

**ATTX98453-6R (059)** - 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.

Strengths: nice, smooth skin, nice flesh, keep

Weaknesses: poor skin finish, silver scurf, Rhizoctonia

Cutting Notes: very nice

**COTX00104-7R (061)** - Oblong Red. Parentage (ND3574-5R x C086218-2). Cross was made in Colorado and selected in Texas. Medium-early maturity. Medium vine size. Lavender flower color.

Uses: Fresh.

Strengths: large tubers, nice color, keep

Weaknesses: growth cracks, lenticels

Cutting Notes: oversized, sprout++

**NDTX4784-7R (063)** - 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.

Strengths: nice shape, keep BOT-

Weaknesses: low yield Rhizoctonia+++ , road map, poor skin finish, drop

Cutting Notes: nice flesh

**NDTX731-1R (065)** - Round Red. Parentage (ND169-10R x ND9476-5). Cross was made in North Dakota and selected in Texas. Early maturity. Medium-large vine size.

Uses: Fresh.

Strengths: very nice, nice shape & color, yield+, BOT

Weaknesses: deep eyes, poor skin finish, drop+

Cutting Notes: hollow heart

**Rio Rojo (Protected – PVP) (067)** - Round-oval Red. Parentage (ND1562-4R x NDTX9-1098-11R). Evaluated as NDTX4304-1R. Cross was made in North Dakota and selected in Texas. Early to medium maturity. Medium vine size. Dormancy is similar to Red LaSoda but longer than Dark Red Norland.

Uses: Fresh.

Strengths: BOT

Weaknesses: can oversize, light set

Cutting Notes: nice color

**AOTX93483-1R (071)** - Oblong Red. Parentage (NDO2686-6R X AD82705-1R). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: nice flesh

Weaknesses: large tubers light set, oversize, Rhizoctonia, pointed, drop+

Cutting Notes: shriveled

**ATX03516-2R (073)** - Oblong Red. Parentage (A961014-12RY x NDTX4271-5R). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: nice color & shape, nice, nice skin finish, smooth, keep

Weaknesses: sticky stem, small

Cutting Notes: very nice, BOT

**ATX03550-2R (075)** - Oblong Red. Parentage (NDTX4271-5R x AO96747-2R/Y). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: nice color, smooth skin, Viking-like, nice flesh

Weaknesses: large, light set++, low yield, drop?

Cutting Notes:

**COTX05211-4R (077)** - Oblong Red. Parentage (CO98012-5R x CO00278-4R). Cross was made in Colorado and selected in Texas.

Uses: Fresh.

Strengths: nice shape, nice color, yield+

Weaknesses: silvers scurf, low yield, too long, lot of culls, pointed, drop?

Cutting Notes: nice color

**COTX05211-7R (079)** - Oblong Red. Parentage (CO98012-5R x CO00278-4R). Cross was made in Colorado and selected in Texas.

Uses: Fresh.

Strengths: nice color, B size, heavy set, keep

Weaknesses: very low yield, small drop

Cutting Notes: nice color

**NDTX039190-1R (081)** - Oblong Red. Parentage (ND 8089-2R x ND 4659-5R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh

Strengths: nice skin finish

Weaknesses: drop?, drop++

Cutting Notes: nice red

**NDTX050070-1R (083)** - Oblong Red. Parentage (ND 8375b-6R x ND 8347CB-12R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: heavy set, B size, small

Weaknesses:

Cutting Notes: nice round red

**NDTX050239-2R (085)** - Oblong Red. Parentage (ND 028685-1R x ND 8512C-17R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: smooth B size, nice color, heavy set, keep

Weaknesses: drop?

Cutting Notes: nice color and shape

**NDTX4271-5R (087)** - Round Red. Parentage (NDTX9-1068-1R x ND2050-1R). Cross was made in North Dakota and selected in Texas. Early to medium maturity. Medium vine size.

Uses: Fresh.

Strengths: nice flesh very nice, keep, BOT-, BOT+

Weaknesses: Skin finish?

Cutting Notes: very nice shape and color

**NDTX5438-11R (089)** - Round Red. Parentage (ND4339-10R x ND4269-9R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: yield, heavy set, nice skin finish, nice flesh, advance to SW TC BOT-BOT+

Weaknesses: skin finish?, low yield, silver scurf, some pointed, mixed shape, silver scurf, Rhizoctonia++

Cutting Notes: nice red

## **Red Yellow Flesh Selections**

**A99326-1PY (091)** - Oblong Purple/Yellow. Parentage (Agria x COA94019-5R). Cross was made and selected in Aberdeen. Medium-early maturity. Medium-small vine size. Medium purple flower color.

Uses: Specialty.

Strengths: nice size and shape, yield+

Weaknesses: late, oversize+, lenticels, silver scurf+

Cutting Notes: nice shape and flesh nice

**A99331-2RY (093)** - Oblong Red-yellow eyes/Yellow Parentage (Agria x COA94019-5R). Cross was made and selected in Aberdeen. Medium maturity. Medium-large vine size. Dark red-purple flower color.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: yellow eyes, pinto-like

**POR03PG80-2 (095)** - Oblong Red/Yellow. Parentage (Satina x PA99P35-1). Cross was made in Prosser, Washington, tuberling produced in Oregon, and selected in Oregon. Medium-early maturity. Medium-vine size. Red-purple flower

Uses: Specialty.

Strengths: nice+

Weaknesses: rough, silver scurf, poor skin finish

Cutting Notes: too long, some purple streaks in flesh

**ATTX88654-2P/Y (097)** - Oblong Purple/Yellow. Parentage (PI343201 x Gurney's Purple). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas..

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: light flesh

**ATTX98510-1R/Y (099)** - Oblong Red/Yellow. Parentage (T48YF X A93456-6R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: nice, oversized, some red internal streaks

**ATTX01180-1R/Y (101)** - Oblong Red/Yellow Parentage (ND5084-3R x A92657-1R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: purple streaks in flesh

**BTX2103-1R/Y (103)** - Oblong Red/Yellow. Parentage (BO811-13 x ARS-W82-21285-1). Cross was made in Beltsville, Maryland and selected in Texas.

Uses: Specialty.

Strengths: very heavy set, B's uniform, nice yield, BOT

Weaknesses: poor shape and skin, drop?

Cutting Notes: light yellow flesh, nice shape and skin

**CO01399-10P/Y (105)** - Round Purple/Yellow. Parentage (VC1015-5P/Y x Colorado Rose). Cross was made and selected in Colorado. Medium maturity. Large vine size. Purple flower color.

Uses: Specialty.

Strengths:

Weaknesses: poor internals, late++ poor skin finish, drop

Cutting Notes: light yellow flesh, nice shape and skin

**COTX01403-4R/Y (107)** - Oblong Red/Yellow Parentage (VC1015-7R/Y x Winema). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: light red skin

**ATTX961014-1BR/Y (109)** - 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: Specialty.

Strengths: keep, BOT,

Weaknesses: ZC?, vascular discoloration

Cutting Notes: a few with purple streaks

**ATTX961014-1R/Y (111)** - 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: Specialty.

Strengths: nice yield smooth, BOT-, BOT+++

Weaknesses: smaller tubers Rhizoctonia+, silver scurf, roadmap, heat sprouts

Cutting Notes: nice shape and skin, purple streaks in flesh, light flesh, red/purple streaking ++

**ATTX00289-5R/Y (113)** - Round Red/Yellow. Parentage (NDA5507-3 X TXA1655-1DY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths: nice shape and yield, heavy set, smooth, Advance to SW

Weaknesses: rough, poor internals, very light red++, heat sprouts, light skin, poor color and shape++

Rhizoctonia, drop++

Cutting Notes: firm, light skin and flesh

**ATTX02249-1R (115)** - Oblong Red/Yellow. Parentage (A92653-6R X Granola). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths: keep

Weaknesses:

Cutting Notes: light skin and flesh

**ATTX03516-2R/Y (117)** - Oblong Red/Yellow. Parentage (A961014-12RY x NDTX4271-5R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: shriveled

**ATTX03553-1P/Y (119)** - Round Purple/Yellow. Parentage (Inca Gold X A096747-2RJY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths: keep

Weaknesses:

Cutting Notes: poor skin finish

**ATTX05191-3R/Y (121)** - Oblong Red/Yellow. Parentage (Luna323 X Modoc). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: keep

Weaknesses:

Cutting Notes: nice flesh

**ATTX99325-1P (123)** - Oblong Purple/White. Parentage (AGRIA X W1100R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths: nice internals, nice color keep??, keep, pretty purple skin

Weaknesses: low yield, poor shape, feathering, drop?, drop

Cutting Notes:

**ATTX03515-1R/Y (125)** - Oblong Red/Yellow. Parentage (A961014-12RY x NDC5281-2). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: nice flesh smooth, BOT

Weaknesses: low yield+, light skin, drop+

Cutting Notes: small, shriveled

**ATX03546-2R/Y (127)** - Oblong White/Yellow. Parentage (ATA98472-2Y x A97523-1RY). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: very yellow flesh, keep

Weaknesses: white and yellow flesh mix, drop, drop?

Cutting Notes: mix white and yellow flesh, planted yellow flesh

**ATX05175-3R/Y (129)** - Oblong Red. Parentage (A99331-2RY x VC1075-1R). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: very yellow flesh, small potato??

Weaknesses: poor shape+, drop

Cutting Notes: small

**ATX98448-6R/Y (131)** - Round Red/Yellow. Parentage (A92657-1R X A89655-5DY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths: yield+, Advance to SW

Weaknesses: eye tubers, light red skin++, deep eyes, rough, poor color and shape+, drop++, drop?+

Cutting Notes: nice shape

**COTX04188-3R/Y (133)** - Oblong Red/Yellow. Parentage (ATC98515-1R/Y x ATC98444-1R/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses: mix white and yellow flesh, low yield+, silver scurf, drop++, sticky stolon

Cutting Notes: small

**COTX04193-2R/Y (135)** - Oblong Red/Yellow. Parentage (ATC98515-1R/Y x ND3574-5R). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: nice color, nice, dark red skin, dark yellow flesh, BOT

Weaknesses:

Cutting Notes: nice skin and color

**COTX04267-1R/Y (137)** - Oblong Red/Yellow. Parentage (CO98012-5R x CO97232-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: small, light skin, very yellow, nice, yellow keep, BOT

Weaknesses: drop?

Cutting Notes: nice, small

**COTX05261-1R/Y (139)** - Oblong Red/Yellow. Parentage (CO00379-2R/Y x CO00278-4R). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: nice+ yield+

Weaknesses: variable color, rot, lenticels pointed+, pear shape, pointed drop+

Cutting Notes: pointed

**COTX06240-2R/Y (141)** - Oblong Red/Yellow. Parentage (CO01377-1R X CO01399-11R/Y). Cross was made in Colorado and selected in Texas

Uses: Fresh.

Strengths: keep

Weaknesses:

Cutting Notes: firm, nice



***NDTX050184-1R/Y (143)*** - Oblong Red/Yellow. Parentage (ND 028577-6RY x ND 8555-8R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: yield nice, small, heavy set, small potato, BOT

Weaknesses:

Cutting Notes:

## Russet, White Yellow, 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: Dual purpose.

Strengths: Dual purpose, medium to high specific gravity, good fry color from 45° storage, resistance to internal defects including hollow heart, brown center, net necrosis and sugar ends, high yield of large tubers, resistance to early dying.

Weaknesses: Susceptibility to scab, tendency for deep eyes, susceptibility to stress induced malformities, mediocre performance in Texas, feathering, sticky stolon, drop

Cutting Notes: skinny

***Russet Burbank (003)*** - 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: Dual.

Strengths: Tolerant to scab, good long term storage.

Weaknesses: Susceptible to Fusarium and Verticillium wilts, PLRV, PVY and net necrosis, Jelly-end and sugar-end develop in tubers when plants are subjected to stress, stress results in knobs, pointed ends, and dumbbells, many culls, Rhizoctonia++, rough, poor shape, skinny

Cutting Notes:

***Russet Norkotah (005)*** - 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.

Strengths: Uniform tuber shape, excellent appearance, and resistance to hollow heart, shallow eyes, high percentage of #1 tubers, tolerance to common scab and silver scurf nice flesh.

Weaknesses: Weak vine, susceptibility to early dying, most virus

Uses especially PVY, and late blight, and very susceptible to Verticillium wilt and early blight rhizoctonia, low yield.

Cutting Notes: nice shape, flesh, and color

***Russet Norkotah112(Protected – PVP) (007)*** -. Oblong-Long Russet. Parentage (ND9526-4Ru x ND9687-5Ru). Cross was made and selected in North Dakota. Russet Norkotah112 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.

Strengths: Good yield, uniform tuber shape, excellent appearance, resistance to hollow heart, some increased resistance to early dying, and environmental stresses, lower N requirement, more vigorous, and higher yielding than Russet Norkotah, heavy net, BOT.

Weaknesses: Five to ten days later than Russet Norkotah. Can produce a higher percentage of misshapen tubers than Russet Norkotah, rhizoctonia

Cutting Notes:

***Russet Norkotah223(Protected – PVP) (009)*** -. Oblong-Long Russet. Parentage (ND9526-4Ru x ND9687-5Ru). Cross was made and selected in North Dakota. Russet Norkotah223 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.

Strengths: Good yield, uniform tuber shape, excellent appearance, resistance to hollow heart, some increased resistance to early dying, and environmental stresses, lower N requirement, more vigorous, and higher yielding than Russet Norkotah, heavy net, BOT.

Weaknesses: Five to ten days later than Russet Norkotah. Can produce a higher percentage of misshapen tubers than Russet Norkotah, rhizoctonia

Cutting Notes:

**Russet Norkotah278 (Protected – PVP) (011)** -. Oblong-Long Russet. Parentage (ND9526-4Ru x ND9687-5Ru). Cross was made and selected in North Dakota. Russet Norkotah278 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.

Strengths: Good yield, uniform tuber shape, excellent appearance, resistance to hollow heart, some increased resistance to early dying, and environmental stresses, lower N requirement, more vigorous, and higher yielding than Russet Norkotah, heavy net, BOT.

Weaknesses: Five to ten days later than Russet Norkotah. Can produce a higher percentage of misshapen tubers than Russet Norkotah, rhizoctonia

Cutting Notes:

**Russet Norkotah296 (Protected – PVP) (013)** - 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.

Strengths: Good yield, uniform tuber shape, excellent appearance, resistance to hollow heart, some increased resistance to early dying, and environmental stresses, lower N requirement, more vigorous, and higher yielding than Russet Norkotah, heavy net, BOT.

Weaknesses: Five to ten days later than Russet Norkotah. Can produce a higher percentage of misshapen tubers than Russet Norkotah, rhizoctonia

Cutting Notes:

**A97066-42LB (015)** - Oblong Light Russet. Parentage (AWN86514-2 x A86102-6). Cross was made and selected in Aberdeen. Medium maturity. Medium large vine size. White flower color

Uses: Dual.

Strengths: blocky

Weaknesses: heat sprouts, Rhizoctonia, drop+

Cutting Notes: nice shape, small

**A98345-1 (017)** - Long Russet. Parentage (Ranger Russet x Premier Russet). Cross was made and selected in Aberdeen. Medium maturity. Medium vine size. White flower color.

Uses: Dual.

Strengths: blocky

Weaknesses: heat sprouts+, drop+

Cutting Notes: pear shaped

**A0008-ITE (019)** - Oblong Russet. Parentage (Blazer Russet x A95109-1). Cross was made and selected in Aberdeen. Medium-early maturity. Small vine size. White flower color.

Uses: Dual.

Strengths: blocky, smooth, nice shape, keep

Weaknesses: yield- Rhizoctonia

Cutting Notes: growth cracks, nice

**A00324-1 (021)** - Long Russet. Parentage (A95038-1 x GemStar Russet). Cross was made and selected in Aberdeen. Medium-early maturity. Medium-large vine size. Red-purple flower color.

Uses: Dual.

Strengths:

Weaknesses:

Cutting Notes: rough, poor shape, growth cracks

**A01010-1 (023)** - Oblong Russet. Parentage (A92303-7 x A96004-8). Cross was made and selected in Aberdeen. Medium maturity. Medium-large vine size. White flower color.

Uses: Dual.

Strengths:

Weaknesses:

Cutting Notes: small

**AC99375-IRU (025)** -. Oblong Russet. Parentage (AWN86514-2 x A89384-10). Cross was made in Aberdeen, and selected in Colorado. Medium maturity. Large vine. White flower color.

Uses: Dual.

Strengths: blocky++, very white flesh

Weaknesses: small, Rhizoctonia, heat sprouts, poor shape, drop++,  
Cutting Notes: purple streak in flesh, nice shape

**AO00057-2 (027)** - Long Russet. Parentage (A91048-3 x A93116-3BSR). Cross was made in Aberdeen, and selected in Oregon. Medium maturity. Medium vine. White flower color.

Uses: Dual.

Strengths:

Weaknesses:

Cutting Notes: nice, blocky

**AO96305-3 (029)** - Long Russet. Parentage (A91018-6 x A89152-4). Cross was made in Aberdeen, and selected in Oregon. Medium maturity. Medium vine. Red-purple flower color.

Uses: Dual.

Strengths: nice flesh

Weaknesses: uneven net, drop for appearance, long skinny, rot

Cutting Notes: skinny

**AOTX95265-1Ru (031)** - Long Russet. Parentage (A89216-9 x A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Early maturity. Medium vine size. White flower color.

Uses: Fresh.

Strengths: long, nice internals, Norkotah- like, nice shape, advance to WR, keep

Weaknesses: rot, some pointed

Cutting Notes: very nice, blocky

**AOTX96216-2Ru (033)** - Long Russet. Parentage (A89216-9 x A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Late maturity. Large vine size. White flower color

Uses: Fresh.

Strengths: nice shape+, large, large tubers, very nice interior, ATX84378-6Ru- like, parent, BOT-

Weaknesses: rough, Rhizoctonia

Cutting Notes: large, rough

**AOTX96265-2Ru (035)** - Oblong Russet. Parentage (A90621-4 X A84180-8). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Late maturity. Large vine size. White flower color

Uses: Fresh.

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

Weaknesses: large tubers, Rhizoctonia, hollow heart, drop

Cutting Notes: very nice, blocky

**CO98067-7RU (037)** - Long Russet. Parentage (Silverton Russet x TC1675-1). Cross was made and selected in Colorado. Early-medium maturity. Medium vine size. White flower color

Uses: Dual.

Strengths:

Weaknesses: flat, rot+

Cutting Notes: nice shape

**CO99053-3RU (039)** - Long Russet. Parentage (AC91014-2 x Silverton Russet). Cross was made and selected in Colorado. Late maturity. Large vine size. White flower color

Uses: Dual.

Strengths: repeat, BOT-

Weaknesses: Rhizoctonia, too long, skinny, rot, drop

Cutting Notes: nice shape

**CO99053-4RU (041)** - Long Russet. Parentage (AC91014-2 x Silverton Russet). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color.

Uses: Fresh.

Strengths:

Weaknesses: Rhizoctonia, pointed, skinny, light skin

Cutting Notes: small, blocky

**CO99100-IRU (043)** - Oblong Russet. Parentage (AC93047-1 x Silverton Russet). Cross was made and selected in Colorado. Early maturity. Small-medium vine size. White flower color.

Uses: Dual.

Strengths: nice flesh and shape, smooth, BOT-

Weaknesses: low yield

Cutting Notes: nice shape, blocky

**PA00N14-2 (045)** - Long Russet. Parentage (PA95A14-22 x (Bulk Russ + Gem)). Cross was made and selected in Prosser, Washington. Medium maturity. White flower color.

Uses: Dual.

Strengths: nice flesh, keep

Weaknesses: small, light net

Cutting Notes: skinny, some purple streaks in flesh

**PA99N2-1 (047)** - Oblong Russet. Parentage (AO84275-3G6582-3). Cross was made and selected in Prosser, Washington. Medium maturity. Medium vine size. White flower color.

Uses: Processing.

Strengths:

Weaknesses: round, small Rhizoctonia, heat sprouts, blocky, rot on stem end, drop+

Cutting Notes: nice shape

**PA99N82-4 (049)** - Oblong Russet. Parentage (PA95B4-149 x Russ bulk). Cross was made and selected in Prosser, Washington.

Uses: Processing.

Strengths:

Weaknesses: Rhizoctonia+, blocky++, drop++

Cutting Notes: large tubers

**AOTX96084-IRu (051)** - Oblong Russet. Parentage (A8792-1 X A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium maturity. Large vine size. White flower color.

Uses: Fresh.

Strengths: nice, long

Weaknesses: some pointed, oversize, rot, drop

Cutting Notes: very nice

**AOTX98152-3Ru (053)** - Oblong Russet. Parentage (A88338-1 X A9201-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium early maturity. Medium vine size. Lavender flower color.

Uses: Fresh.

Strengths: blocky+, keep, BOT++

Weaknesses: rot+ Rhizoctonia+, large tubers rough, poor internals, drop++

Cutting Notes: nice, blocky

**ATX9332-12Ru(055)** - Oblong Russet. Parentage (A8850-1 x A88288-1). Cross was made in Aberdeen and selected in Texas. Late maturity. Large vine size. White flower color.

Uses: Fresh

Strengths: nice interior

Weaknesses: poor skin finish, stem end darkening, skin not very nice, drop+++

Cutting Notes: small, nice shape

**AOTX96075-IRU (057)** - Long Russet. Parentage (A84118-3 x A89384-10). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: very nice

**ATX91137-1Ru (059)** - Oblong Russet. Parentage (A81473-2 x A8343-12) Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.

Strengths: nice shape, send to ROB, smooth, blocky, high yield, BOT+

Weaknesses: Rhizoctonia

Cutting Notes: very nice, nice shape

**ATX9202-3Ru (061)** - Oblong Russet. Parentage (A8343-12 x A8495-1) Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.

Strengths: blocky high yield, nice interior, nice flesh, send to ROB, BOT

Weaknesses: Rhizoctonia, poor shape, rough, deep eyes, drop+

Cutting Notes: poor shape, rough, some internal red streaks

**TXA549-1Ru (063)** - 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: Dual.

Strengths: yield+, blocky, keep, BOT-++,

Weaknesses: Rhizoctonia, large tubers

Cutting Notes: very nice, BOT

**Stampede Russet (Protected – PVP) (065)** - 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.

Strengths: blocky, light net smooth, nice shape and skin

Weaknesses:

Cutting Notes: very nice, sprouts++

**AOTX02060-1Ru (067)** - Oblong Russet. Parentage (A97201-4 x A93157-6LS). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: blocky nice+, nice flesh, keep+, BOT

Weaknesses: deep eyes, light set, growth cracks, drop+

Cutting Notes:

**AOTX06026-1Ru (069)** - Oblong Russet. Parentage (A99034-2E x AONDTX95249-1Russ). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: keep

Weaknesses:

Cutting Notes: mahogany browning

**AOTX95265-3Ru (071)** - Long Russet. Parentage (A89216-9 x A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium maturity. Medium vine size.

Uses: Fresh.

Strengths: long, good shape, nice, BOT-

Weaknesses:

Cutting Notes:

**AOTX95265-4Ru (073)** - Long Russet. Parentage (A89216-9 x A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium-late maturity. Medium-large vine size. White flower color.

Uses: Fresh.

Strengths: heavy set, blocky

Weaknesses: poor skin finish, Rhizoctonia, heavy net, small, +, drop++

Cutting Notes:

**AOTX96208-1Ru (075)** - Long Russet. Parentage (A9057-7 x A91194-3). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Early maturity. Large vine size.

Uses: Fresh.

Strengths: nice shape, BOT

Weaknesses: 10% tuber moth, pointed, drop?, drop+

Cutting Notes: small

**AOTX98096-1Ru (077)** - Oblong Russet. Parentage (Shepody x A92158-3). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium-early maturity. Large vine size.

Uses: Fresh.

Strengths: nice shape+, BOT

Weaknesses: light set, low yield+, Rhizoctonia, drop

Cutting Notes: small

**AOTX98202-1Ru (079)** - Oblong Russet. Parentage (A9201-6 X A9014-2). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: BOT+

Weaknesses: poor shape, pointed, drop?

Cutting Notes: some large tubers

**ATX05142-2Ru (081)** - Oblong Russet. Parentage (Rio Grande Russet x A97214-4). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: nice interior, smooth, Stampede Russet-like

Weaknesses: pointed+, small, drop, drop?

Cutting Notes: small

**ATX84378-6Ru (083)** - Oblong-Long Russet. Parentage (A79141-9 x ND329-1). Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.

Strengths: blocky, large tubers, nice white flesh, BOT

Weaknesses: light set, growth cracks, rough

Cutting Notes: large, blocky

**ATX97147-4Ru (085)** - Long Russet. Parentage (A79180-10 x A88236-6). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: high yield nice interior

Weaknesses: curved, too long rough, many culls, Rhizoctonia++, shape-growth cracks, drop+++

Cutting Notes: rough, poor skin

**ATX99013-1Ru (087)** - Long Russet. Parentage (A8893-1 x A91186-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: nice flesh, advance to SWR, keep+

Weaknesses: curved, Rhizoctonia skinny drop+

Cutting Notes: small, rough

**ATX99194-3Ru (089)** - Oblong Russet. Parentage (A94137-1 x GemStar Russet). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: blocky+

Weaknesses poor skin finish, drop++, drop?

Cutting Notes: very small

**COTX05095-1Ru (091)** - Long Russet. Parentage (CO99045-1W/Y X AO96164-1). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: keep

Weaknesses:

Cutting Notes: very large tuber, oversized

**COTX06221-1Ru (093)** - Long Russet. Parentage (CO00208-1RU X CO98067-7RU). Cross was made in Colorado and selected in Texas

Uses: Fresh.

Strengths: keep

Weaknesses:

Cutting Notes: very large tuber, oversized

**ATTX03475-10Ru (095)** - Oblong Russet. Parentage (NDTX4930-5W X NYII2). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths: keep

Weaknesses:

Cutting Notes:

**TXNS410 (097)** -. 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

Strengths: nice shape

Weaknesses: yield-

Cutting Notes: small

**TXNS551 (099)** -. Oblong-Long Russet. Parentage (ND9526-4Ru x ND9687-5Ru). Cross was made and selected in North Dakota. TXNS551 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

Strengths: nice flesh, nice

Weaknesses: low yield, yield-

Cutting Notes:

## Chip Selections

**Atlantic (101)** - Round White. Parentage (Wauseon x B5141-6). 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.

Strengths: High yield, high specific gravity, low sugar buildup in storage, chips well directly from field, short term storage at 50°, uniform tuber size and shape, tolerant to scab and Verticillium wilt, resistant to pink eye and highly resistant to race A of golden nematode, PVX and tuber net necrosis.

Weaknesses: Very susceptible to internal heat necrosis, particularly in sandy soils in warm, dry seasons, susceptible to hollow heart, shatter bruise, Rhizoctonia and storage rots, buff skin, can oversize

Cutting Notes: buff skin, nice shape



**Chipeta (103)** - Oblong White. Parentage (WNC612-13 x Wischip). Cross was made in Aberdeen and selected in Colorado. Released by USDA-ARS, Aberdeen, and Colorado Agricultural Experiment Stations. Late maturity. Large vine size. Red-Reddish purple corollas and large yellow anthers.

Uses: Chip and French fries.

Strengths: High yield potential, high specific gravity and low sugar accumulation in storage will occasionally chip out of 40° storage, resistant to most internal and external defects including second growth, growth cracks, hollow heart, heat necrosis and blackspot bruises. Also resistant to leaf roll-induced net necrosis, Verticillium wilt, and both foliar and tuber phases of early blight BOT-++.

Weaknesses: Irregular shape, may oversize, buff skin, variable tuber size, skin feathering, some russet patches, green heads, susceptible to Rhizoctonia, common scab, and Fusarium dry rot, late maturity, deep eyes

Cutting Notes: very nice

**Snowden (105)** - Oblong White. Parentage (B5141-6 x Wischip) Cross was made at the University of Wisconsin. Late maturity. White flower color

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: nice

**A00188-3C(107)** - Round White. Parentage (A91790-13W x Dakota Pearl). Cross was made and selected in Aberdeen. Medium early maturity. Medium vine size.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: small

**A01143-3C (109)** - Round White. Parentage (COA95070-8 x Chipeta). Cross was made and selected in Aberdeen. Medium late maturity. Medium vine size. White flower color

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: small

**CO00188-4W (111)** - Oblong White. Parentage (A90490-1W x BC0894-2W). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: nice

**CO00197-3W (113)** - Oblong White. Parentage (A91790-13W x NDTX4930-5W). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color.

Uses: Chip.

Strengths: nice flesh

Weaknesses: shape?, Rhizoctonia++, rough, pointed, drop

Cutting Notes: nice

**CO00270-7W (115)** - Oblong White. Parentage (BC0894-2W x A91790-13W). Cross was made and selected in Colorado. Early-medium maturity. Medium vine size. Purple flower color.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: nice

**AC01151-5W (117)** - Oblong White. Parentage (COA96142-7 x NDA2031-2). Cross was made in Aberdeen and selected in Colorado. Medium maturity. Medium vine size. Purple flower color.

Uses: Chip.

Strengths:

Weaknesses: Rhizoctonia

Cutting Notes: very nice

**CO02024-9W (119)** - Round White. Parentage (A91790-13W x CO95051-7W). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: small

**CO02033-1W (121)** - Oblong White. Parentage (A91790-13W x S440). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: more oblong

**CO02321-4W (123)** - Oblong White. Parentage (NY115W x BC0894-2W). Cross was made and selected in Colorado. Medium maturity. Medium-large vine size. Purple flower color.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: very nice

**COTX90046-1W(125)** - Oblong White. Parentage (AC83064-6 x NDO1496-1). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: large tubers

**FL 1922(127)** - Round White. Parentage (FL 1207 x AUK). Cross was made and selected by Frito Lay Co.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: small, firm, nice shape

**FL 1833(129)** - Round White. Parentage (?). Cross was made and selected by Frito Lay Co.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: small, firm, nice shape

**FL 2048(131)** - Oblong White. Parentage (?). Cross was made and selected by Frito Lay Co.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: large tubers, nice shape

**FL 1867(133)** - Round White. Parentage (FL 162 x ATLANTIC). Cross was made and selected by Frito Lay Co.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: small, firm, nice shape

**FL 2053(135)** - Round White. Parentage (?). Cross was made and selected by Frito Lay Co.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: small, firm, nice shape

**King Harry (137)** - Round White Parentage (??) Cross was made and selected at Cornell University.

Uses: Fresh.

Strengths: larger tubers than Prince Hairy

Weaknesses: nipple on apical end

Cutting Notes:

**Prince Hairy (139)** - Round White. Parentage (Hudson x PI 310925) Cross was made and selected at Cornell University.

Uses: Fresh.

Strengths: yield white flesh, heavy set+

Weaknesses: smaller than King Harry, rot on 3 reps

Cutting Notes: small

**NY138 (141)** - Oblong White. Parentage (??). Cross made and selected at Cornell University.

Uses: Chip.

Strengths: smooth

Weaknesses:

Cutting Notes: very nice

**AOTX95295-1W (143)** - Round White. Parentage (A89804-7 x Ranger Russet). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Chip.

Strengths: nice

Weaknesses:

Cutting Notes: sprouts+

**AOTX95309-3W (145)** - Round White. Parentage (A9055-8LS x A89163-3LS). Cross was made in Aberdeen, produced in Oregon, and selected in Texas. Late maturity. Large vine size.

Uses: Chip.

Strengths: smooth

Weaknesses rough, flat, drop

Cutting Notes: sprouts+

**ATTX03446-4W (147)** - Oblong White. Parentage (A96920-17 x MSI152A). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Chip.

Strengths: keep

Weaknesses:

Cutting Notes: firm

**ATTX03474-1W (149)** - Round White. Parentage (NDTX493O-5W X C0A96141-4). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Chip.

Strengths: keep

Weaknesses:

Cutting Notes: sprouts, rough, poor shape

**ATTX03474-3W (151)** - Oblong White. Parentage (NDTX493O-5W X C0A96141-4). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Chip.

Strengths: keep

Weaknesses:

Cutting Notes: OK

**ATTX03476-2W (153)** - Oblong White. Parentage (NDTX493O-5W X Chipeta). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Chip.

Strengths: keep

Weaknesses:

Cutting Notes: rough, large

**ATX98466-5R/W-R (155)** - Round White. Parentage (ND2051-1Ru x A7961-1). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Chip.

Strengths: red streak in flesh, smooth

Weaknesses:

Cutting Notes: shriveled, red steaks in flesh

**ATX85404-8W (157)** - Round White. Parentage (Gemchip x ND860-2). Cross was made in Aberdeen and selected in Texas. Medium-late maturity. Medium-large vine size. White flower color.

Uses: Chip.

Strengths: Nice, BOT

Weaknesses:

Cutting Notes: sprouts+

**COTX02377-1W (159)** - Round White-Buff. Parentage (Dakota Pearl x Chipeta). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths:

Weaknesses: growth cracks, drop

Cutting Notes: nice

**COTX03270-1W (161)** - Oblong White-Buff. Parentage (CO95007-1RU x AC96052-1RU). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths:

Weaknesses: greenheads, some pear shape, poor internals, 10% PLRV, pointed, small drop+++

Cutting Notes: shape-

**COTX03303-1W (163)** - Oblong White. Parentage (CO96083-7RU X Silverton Russet). Cross was made in Aberdeen and selected in Texas.

Uses: Chip.

Strengths: keep

Weaknesses:

Cutting Notes: buff

**NDTX059632-1W (165)** - Oblong White. Parentage (Dakota Pearl x ND 7377Cb-1). Cross was made in North Dakota and selected in Texas.

Uses: Chip

Strengths:

Weaknesses: small, rot, poor shape, drop

Cutting Notes: ugly

**NDTX059979-1W (167)** - Round Buff. Parentage (ND 7519-1 x Dakota Diamond). Cross was made in North Dakota and selected in Texas

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: shriveled, but firm, some yellow flesh

**NDTX059997-2W (169)** - Oblong White. Parentage (ND 7799c-1 x ND 860-2). Cross was made in North Dakota and selected in Texas

Uses: Chip.

Strengths: nice white, round

Weaknesses:

Cutting Notes: sprouts+

**NDTX059997-6W (171)** - Round White. Parentage (ND 7799c-1 x ND 860-2). Cross was made in North Dakota and selected in Texas

Uses: Chip.  
Strengths: smooth, nice flesh  
Weaknesses:  
Cutting Notes: nice, sprouts+

**NDTX059997-7W (173)** - Oblong White. Parentage (ND 7799c-1 x ND 860-2). Cross was made in North Dakota and selected in Texas

Uses: Chip.  
Strengths:  
Weaknesses:  
Cutting Notes:

**TX05249-5W (175)** - Round White. Parentage (Gem Russet x A91790-13). Cross was made in North Dakota and selected in Texas

Uses: Chip.  
Strengths:  
Weaknesses:  
Cutting Notes: nice round

**TX1673-1W (177)** - Oblong White. Parentage (Russet Nugget x CS 7802L-2). Cross was made in Texas and selected in Texas.

Uses: Chip.  
Strengths:  
Weaknesses: rough+, oversize+  
Cutting Notes: nice

**NDTX059828-2W (179)** - Round White. Parentage (ND 4659-5R x ND 8524B-1R). Cross was made in North Dakota and selected in Texas.

Uses: Chip.  
Strengths:  
Weaknesses: small, low yield, pronounced eyes, pink skin+, growth cracks, salad, Rhizoctonia, rot, drop  
Cutting Notes:

**TX03196-1W (181)** - Round White. Parentage (NDTX4748-7R x Adora). Cross was made and selected in Texas.

Uses: Chip.  
Strengths: salad?  
Weaknesses: small+ drop  
Cutting Notes: small, firm, very nice

**TX05249-10W (183)** - Round White. Parentage (Gem Russet x A91790-13). Cross was made and selected in Texas.

Uses: Chip.  
Strengths: very nice flesh, size parent  
Weaknesses: large, can oversize, drop+  
Cutting Notes: oversized

**TX05249-11W (185)** - Round White. Parentage (Gem Russet x A91790-13). Cross was made and selected in Texas.

Uses: Chip.  
Strengths:  
Weaknesses: small, drop  
Cutting Notes:

**TX05249-3W (187)** - Round White. Parentage (Gem Russet x A91790-13). Cross was made in North Dakota and selected in Texas

Uses: Chip.  
Strengths:  
Weaknesses: drop  
Cutting Notes: buff, poor internal

## White Yellow Flesh Selections

***Yukon Gold (191)*** - 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: Specialty.

Strengths: Attractive yellow flesh tubers with red eyes, good yield, resistant to mild mosaic, moderately resistant to PLRV.

Weaknesses: Can exhibit some feathering, susceptible to PVY and common scab, hollow heart and internal heat necrosis can be a problem, plant establishment is irregular - particularly from basal end seed pieces.

Cutting Notes: BOT,

***A00286-3Y (193)*** - Oblong White/Yellow. Parentage (NDA5507-3Y x A89655-5DY). Cross was made and selected in Aberdeen. Medium-late maturity. Medium large vine size. Medium red-purple flower color.

Uses: Specialty.

Strengths: nice internals, red splash eyes

Weaknesses: second growth, heat sprouts, drop,

Cutting Notes: red eyes, nice

***A99433-5Y (195)*** - Oblong White/Yellow. Parentage (Chipeta x MSG274-3). Cross was made and selected in Aberdeen. Medium-late maturity. Medium large vine size. White flower color.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: nice

***ATC00293-1W/Y (197)*** - Oblong White/Yellow. Parentage (Agria x TXA1655-1DY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Colorado. Medium maturity. Large vine size. Purple flower color.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: very nice flesh

***CO00412-5W/Y (199)*** - Oblong White/Yellow. Parentage (German Butterball x TX1523-1RU/Y). Cross was made and selected in Colorado. Medium maturity. Large vine size. Purple flower color.

Uses: Specialty.

Strengths:

Weaknesses: poor internals, small, russet skin, drop++

Cutting Notes: very nice

***TX1674-1W/Y (201)*** - Long White/Yellow. Parentage (Russet Nugget x Delta Gold). Cross was made and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: nice shape and skin, light flesh

***Sierra Gold(TX1523-1Ru/Y) (Protected – PVP) (203)*** - Round-oblong Russet/Yellow. Parentage (Krantz x Delta Gold). Cross was made and selected in Texas. Early maturity. Medium vine size.

Uses: Specialty.

Strengths: very nice, BOT+

Weaknesses: heat sprouts+, Rhizoctonia, light set

Cutting Notes: very nice

**TTYG055 (205)** - Oblong-White. 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. TXYG055 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold

Uses: Specialty

Strengths:

Weaknesses:

Cutting Notes: nice

**TTYG057 (207)** - Oblong-White. 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. TXYG057 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold

Uses: Specialty

Strengths:

Weaknesses:

Cutting Notes: very nice

**TTYG079 (209)** - Oblong-White. 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. TXYG079 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold

Uses: Specialty

Strengths:

Weaknesses:

Cutting Notes: nice

**TTYG098 (211)** - Oblong-White. 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. TXYG098 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold

Uses: Specialty

Strengths:

Weaknesses:

Cutting Notes: very nice

**ATTX00289-6Y/Y (213)** - Round Yellow/Yellow. Parentage (NDA5507-3 X TXA1655-1DY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths: nice

Weaknesses: growth cracks, Rhizoctonia+, red splotches, oversize, heat sprouts, pointed very light flesh, poor skin color+, heat sprouts, drop++

Cutting Notes: nice, some hollow heart

**ATTX98500-3P-W/Y (215)** - Oblong-Pinto/Yellow. Parentage (P94A2-4Y X Granola). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas. Late maturity. Large vine size. Purple flower color

Uses: Specialty.

Strengths:

Weaknesses: pointed+, Rhizoctonia, drop?, drop

Cutting Notes: flat

**ATTX03496-3Y/Y (217)** - Oblong Yellow/Yellow. Parentage (NDTX4271-5R x AO93487-2R). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: heavy set, small potato, keep??. keep+

Weaknesses: pointed heat sprouts, pronounced lenticels, low yield drop?

Cutting Notes: small, nice

**ATX03546-1W/Y (219)** - Round White/Yellow. Parentage (ATA98472-2Y x A97523-1RY). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: small, off color

**BTX1544-2W/Y (221)** - Oblong White/Yellow. Parentage (BO811-13 x Yukon Gold). Cross was made in Beltsville, Maryland and selected in Texas. Medium maturity. Medium vine size.

Uses: Specialty.

Strengths: Buff+, russet skin

Weaknesses: ugly skin finish+, drop

Cutting Notes: OK

**BTX1749-1W/Y (223)** - 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: Specialty.

Strengths: keep for ZC

Weaknesses: deep nose, Rhizoctonia, drop

Cutting Notes: nice flesh

**COTX04178-1Y/Y (225)** - Oblong Yellow/Yellow. Parentage (ATC98444-1R/Y x CO99076-1R). Cross was made in Colorado and selected in Texas

Uses: Specialty.

Strengths: heavy set++, nice skin, small potato

Weaknesses: not very yellow flesh, some pear shaped, drop?

Cutting Notes: small

**NDTX049265-2WRSP/Y (227)** - Oblong White Red Splash/Yellow. Parentage (ATND 99331-2 Pinto x Dakota Rose). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: yield+, keep

Weaknesses: drop?

Cutting Notes: small

**NDTX050025-1W/Y (229)** - Oblong White/Yellow. Parentage (ND 8083b-1pY x ATND 98459-1RY). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: heavy set+, smooth skin, small potato, good skin finish, keep

Weaknesses: drop

Cutting Notes: small

**NDTX050169-2W/Y (231)** - Oblong White/Yellow. Parentage (ND 8555-8R x R 89063-84). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: good skin finish, heavy yield, small potato?, keep

Weaknesses: very light flesh, drop?

Cutting Notes:

**NDTX050264-1W (233)** - Round White. Parentage (ND 028770B-4R x ND 028678-1RY). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: keep

Weaknesses:

Cutting Notes: shriveled



**NDTX059759-3Pinto/Y (235)** - Oblong Pinto/Yellow. Parentage (ATND 99331-2 Pinto x ND 7834-2P). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: purple streaking at stem end, advance to SW/WR

Weaknesses: flat, do not let oversize, Rhizoctonia

Cutting Notes: some purple streaks

**NDTX060868-3Y/Y (237)** - Oblong Yellow/Yellow. Parentage(ND 028587-1RY X ND 039051B-1R). Cross was made in North Dakota and selected in Texas

Uses: Specialty.

Strengths: keep

Weaknesses:

Cutting Notes: nice flesh, BOT

**TX04237-6Y/Y (239)** - Oblong Yellow/Yellow. Parentage (Russet Nugget x A92030-5). Cross was made and selected in Texas.

Uses: Specialty.

Strengths: smooth, nice flesh

Weaknesses: flat, good skin finish, low yield, drop++

Cutting Notes: nice, small

**Sierra Gold(TX1523-1Ru/Y ) (Protected – PVP) (241)** - Round-oblong Russet/Yellow. Parentage (Krantz x Delta Gold). Cross was made and selected in Texas. Early maturity. Medium vine size.

Uses: Specialty.

Strengths: very nice, BOT+

Weaknesses: heat sprouts+, Rhizoctonia, light set

Cutting Notes: Dalhart seed source

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

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

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

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

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

AWN = cross made in Aberdeen, Idaho and selected in Washington

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

COO = cross made in Colorado and selected in Oregon

CORN = Colorado selections (strains) out of Russet Norkotah made by the Colorado program

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

MN = cross made and selected in Minnesota

MNTX = cross made in Minnesota and selected in Texas

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

PA = cross made in Prosser, Washington and selected in Aberdeen, Idaho.

TC = cross made in Texas and selected in Colorado

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

TXND = cross made in Texas and selected in North Dakota

WC = cross made in Washington and selected in Colorado

WN = cross made in Washington and selected in North Dakota

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

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

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



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