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

Creighton Miller, Jeff Koym, and Douglas Scheuring

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

$149,477

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

$167,300

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

$50,000

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

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Texas Potato Variety Development Program 2010 Trials

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<tr>
<th>Location</th>
<th>Trial</th>
<th>Planted</th>
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<tr>
<td>Springlake</td>
<td>Field Day - Red/Specialty (72)</td>
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<tr>
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<td>Texas Advanced Selection - Small Potatoes (8)</td>
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<td>Texas Advanced Selection - Fingerlings (4)</td>
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<td>Texas Advanced Red/Purple Skin, Red/Purple Flesh (4)</td>
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<td>Red Skin - White Flesh (17)</td>
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<td>Chips (18)</td>
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<td>Ron French (15)</td>
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<td>First Year Seedlings (6,860)</td>
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<td>Western and Southwest Chips (19)</td>
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<td>Seedlings (77,784)</td>
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Seedlings for Selection in Texas - 2010

Seedlings planted at Springlake

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<tr>
<th>Source</th>
<th>Families</th>
<th>Total Planted</th>
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<tr>
<td>Aberdeen</td>
<td>62</td>
<td>6,860</td>
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<tr>
<td>Oregon</td>
<td>198</td>
<td>20,696</td>
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<td><strong>Total</strong></td>
<td><strong>260</strong></td>
<td><strong>27,556</strong></td>
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Seedlings planted at Dalhart

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

**ATTX98444-16R/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
NDTX059886-1YY (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: 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. Red-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 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


Uses: Fresh.
Strengths:
Weaknesses:
Cutting Notes: nice dark skin color


Uses: Fresh.
Strengths:
Weaknesses:
Cutting Notes: nice


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

Uses: Fresh.
Strengths: yield, white flesh, nice shape
Weaknesses: late, Rhizoctonia, stick stolon, drop+++ 
Cutting Notes: very nice


Uses: Fresh.
Strengths: yield+ Red LaSoda like, yield+, Advance to SW
Weaknesses: deep eyes, Rhizoctonia++, drop?
Cutting Notes: nice


Uses: Fresh.
Strengths: Nice shape & color, nice internals, nice skin finish, BOT+
Weaknesses:
Cutting Notes: nice shape and skin


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 CO86218-2). 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+,
   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


- 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


- Uses: Specialty.
- Strengths: keep, BOT.
- Weaknesses: ZC?, vascular discoloration
- Cutting Notes: a few with purple streaks

- 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: shriveled

**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: poor skin finish

**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: mix white and yellow flesh, low yield+, silver scurf, drop++, sticky stolon
   - Weaknesses: eye tubers, light red skin++, deep eyes, rough, poor color and shape+, drop++, drop++?
   - Cutting Notes: nice shape and color

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


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


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:


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:

- **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:**


- **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:**


- **Uses:** Dual.
- **Strengths:** blocky
- **Weaknesses:** heat sprouts, Rhizoctonia, drop+
- **Cutting Notes:** nice shape, small


- **Uses:** Dual.
- **Strengths:** blocky
- **Weaknesses:** heat sprouts+, drop+
- **Cutting Notes:** pear shaped

**A0008-1TE (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


- **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

**AC99375-1RU (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

   Uses: Dual.
   Strengths:
   Weaknesses:
   Cutting Notes: nice, blocky

   Uses: Dual.
   Strengths: nice flesh
   Weaknesses: uneven net, drop for appearance, long skinny, rot
   Cutting Notes: skinny

   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

   Uses: Fresh.
   Strengths:
   Weaknesses: Rhizoctonia, pointed, skinny, light skin
   Cutting Notes: small, blocky

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


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

$AOTX96084$-1Ru (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

$AOTX96075$-1RU (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:

   - 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**

- Uses: Chip.
- Strengths: High yield, high specific gravity, low sugar buildup in storage, chips well directly from field, short term storage at 50º, 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°F 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


- **Uses:** Chip.
- **Strengths:**
- **Weaknesses:**
- **Cutting Notes:** nice


- **Uses:** Chip.
- **Strengths:** nice flesh
- **Weaknesses:** shape?, Rhizoctonia++, rough, pointed, drop
- **Cutting Notes:** nice


- **Uses:** Chip.
- **Strengths:**
- **Weaknesses:**
- **Cutting Notes:** nice


- **Uses:** Chip.
- **Strengths:**
- **Weaknesses:** Rhizoctonia
- **Cutting Notes:** very nice
   - Uses: Chip.
   - Strengths:
   - Weaknesses:
   - Cutting Notes: small

   - Uses: Chip.
   - Strengths:
   - Weaknesses:
   - Cutting Notes: more oblong

   - 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
**ATTX98466-5R/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

**ATTX85404-8W (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


- **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
**TXYG055 (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

**TXYG057 (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

**TXYG079 (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: very nice

**TXYG098 (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

**ATX03496-3Y/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