

2009 Field Day Handbook

Texas Potato Variety Development Program

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Texas AgriLife Research

Texas A&M University

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Hosted by Springlake Potato Sales, Inc.

Frank Barrett

Bruce Barrett

Funds Received to Support
The Texas Potato Variety Development Program
July 1, 2008- June 30, 2009

USDA/CSREES (Special Research Grants Program, Potato Research)	\$33,450
Royalty returned to program	\$56,263
Zebra Chip (State Initiative)	\$70,367
	\$160,080

Expected but not received:

Five Proposals Pending	
Royalty (Estimated)	\$40,000

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
Ndambe Nzaramba – Research Scientist
Sarah Turner and Shazia Shaik – Student Workers (Tissue Culture/virus eradication)
Rafe Wenner, Tulle Alexander, Angel Chappell – Student Workers

2009 Springlake Plot Plan

sdlgs														sdlgs	
sdlgs														sdlgs	
sdlgs														sdlgs	
sdlgs												TXSM		sdlgs	
sdlgs												TXFING		sdlgs	
sdlgs						TXRD/Y								sdlgs	
sdlgs														sdlgs	
sdlgs								TXRU				R-P/R-P		sdlgs	
sdlgs														sdlgs	
sdlgs										CHIP					
sdlgs															
sdlgs			YKG		TXWH/Y		RD/Y								
sdlgs												RDW			
sdlgs															
sdlgs														French	
sdlgs															
sdlgs															
sdlgs															
sdlgs															
sdlgs			PVP		WH/Y		TXRD		RU		FDTRU/CH		FDTRD/SPC	Nanson	
sdlgs	Blank	Blank	fill	Blank	fill	Blank	fill	Blank	fill	Blank	fill	Blank	fill	Blank	
111-73	72	71	70-61	60 59	58-49	48 47	46-37	36 35	34-25	24 23	22-13	12 11	10-1	18-15	14-1

4 row road

Texas Potato Variety Development Program 2009 Trials

Location	Trial	Planted
Springlake	Field Day Trial Red Specialty (77)	4/7/09
	Red White Flesh (21)	4/7/09
	Red/Purple Skin Red/Purple Flesh (6)	4/7/09
	Texas Advanced Fingerling Selections (6)	4/7/09
	Texas Advanced Small Potato Selections (8)	4/7/09
	Field Day Trial Russets/Chip (110)	4/9/09
	Chip (30)	4/9/09
	Russets (35)	4/8/09
	Texas Advanced Russet Selections (14)	4/8/09
	Texas Advanced Red Selections (13)	4/8/09
	Red Yellow Flesh (14)	4/8/09
	Texas Advanced Red Yellow Selections (10)	4/8/09
	White Yellow Flesh (19)	4/8/09
	Texas Advanced White Yellow Selections (13)	4/8/09
	Plant Variety Protection (12)	4/8/09
	Yukon Gold Strain Selections(15)	4/8/09
	First Year Seedlings (28,271)	4/9/09
Dalhart	Zebra Free Selections (6)	4/29/09
	Texas Advanced Red Selections (35)	4/29/09
	08 Red Selection (55)	4/29/09
	Texas Advanced Red Skinned Yellow Flesh (24)	4/29/09
	08 Red Yellow Flesh Selections (47)	4/29/09
	Texas Advanced Small Potato Selections (13)	4/29/09
	08 Small Potato Selections (5)	4/29/09
	Texas Advanced White Skinned Yellow Flesh (18)	4/29/09
	Texas Advanced Fingerling Purple Flesh Selections (6)	4/29/09
	08 Fingerling Selections (3)	4/29/09
	08 Red-Purple Flesh Selections (2)	4/29/09
	Texas Advanced White Skinned Yellow Flesh (20)	4/29/09
	08 White Skinned yellow Flesh Selections (32)	4/29/09
	Yukon Gold Strains (15)	4/29/09
	Chip (42)	4/29/09
	08 Chip Selections (58)	4/30/09
	Texas Advanced Russet Selections (33)	4/30/09
08 Russet Selection (40)	4/30/09	
Seedlings (28,230)	4/30/09	

Seedlings for Selection in Texas - 2009

Seedlings planted at Springlake

Source	Families	Total Planted
North Dakota	63	10,067
Aberdeen	81	7,589
Oregon	103	10,615
Total	247	28,271

Seedlings planted at Dalhart

Source	Families	Total Planted
Colorado	94	19,928
Texas	45	8,302
Total	139	28,230

Grand Total – 56,501 seedlings from 386 families (crosses) were planted in 2009.

2009 Field Day Trial in Entry Order

Red and Specialty Selections/Varieties

Red LaSoda (001) - Oblong Red. Parentage (Triumph x Katahdin). Cross was made and in Louisiana and selected in South Dakota by 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.

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: Scab, deep eyes.

Dark Red Norland (003) - 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 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, russeting.

Cutting Notes: Scab.

Rio Rojo (Protected – PVP 200600098). (005) - Round-Oval Red. Parentage (ND1562-4R x NDTX1098-11R). 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: Yield+, nice exterior, hollow heart resistant, good color, very nice interior, attractive bright red color, can store well, BOT.

Weaknesses: Can oversize, seems to set high in bed, feathering, can skin and exhibit variability in tuber color, feathering, deep nose, heat sprouts, and growth cracks, some rot, silver scurf.

Cutting Notes: Some road map.

AC00271-1R (007) - Oblong-Long Red. Parentage (Colorado Rose x NDD2686-6R). Cross was made in Aberdeen and selected in Colorado.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Too long.

AOTX91861-4R (009) - Oblong Red. Parentage (Red LaSoda x ND2224-5R). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Nice flesh, smooth, BOT.

Weaknesses: RLS like, deep eyes, stem attachment, light set, low yield.

Cutting Notes: Nice.

AOTX93483-1R (011) - Oblong Red. Parentage (NDO2686-6R x AD82705-1R). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Size parent, early bulking.

Weaknesses: Oversize, light set, sticky stolon, very late, feathering, rough, pear shape.

Cutting Notes: Nice shape.

ATX01178-1R (013) - Round Red. Parentage (ND5084-3R x Winema). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Very nice shape.

ATX98453-11BR (015) - Round Red. Parentage (A93490-1R x A91846-5R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Feathering, nice.

ATX98453-6R (017) - 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.

Uses: Fresh.

Strengths: Smooth, nice skin, good color, fast bulking, BOT-, Keep.

Weaknesses: Light set, variable shape, early, can oversize.

Cutting Notes: BOT.

ATX03516-2R (019) - Oblong Red. Parentage (A961014-12RY x NDTX4271-5R). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Very large tubers.

ATX03550-2R (021) - Oblong Red. Parentage (NDTX4271-5R x AO96747-2R/Y). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Very large tubers.

BTX2332-1R (023) - Round Red. Parentage (B1523-4 x Super Red Norland). Cross was made in Beltsville, Maryland and selected in Texas. Medium maturity. Large vine size.

Uses: Fresh.

Strengths: Yield +, Keep.

Weaknesses: Buff, 10% internal discoloration.

Cutting Notes: Lots of purple streaks in flesh.

CO00277-2R (025) - Round Red. Parentage (CO89097-2R x CO94065-2R). Cross was made and selected in Colorado. Very early maturity. Medium vine size. Red-purple flower color.

Uses: Fresh.

Strengths: Very white flesh.

Weaknesses: Poor shape, lots of culls, lots of B's, dumbbell tubers, Drop.

Cutting Notes: Hollow heart, nice shape.

CO00291-5R (027) - Round Red. Parentage (CO94019-1R x NDC5281-2R). Cross was made and selected in Colorado. Medium maturity. Large vine size. Red-purple flower color.

Uses: Fresh.

Strengths: Good for B size, small, good color.

Weaknesses: Late, did not size, Drop.

Cutting Notes: Nice round shape, dark skin color.

CO99076-6R (029) - Round Red. Parentage (AC91848-1 x Rio Colorado). Cross was made and selected in Colorado.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Nice dark skin color.

CO99256-2R (031) - Oblong Red. Parentage (Rio Colorado x Colorado Rose). Cross was made and selected in Colorado.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Feathering, oblong, some purple streaks in flesh.

COTX00104-7R (033) - Oblong Red. Parentage (ND3574-5R x C086218-2). Cross was made in Colorado and selected in Texas. Medium-early maturity. Medium vine size.

Uses: Fresh.

Strengths: Nice flesh.

Weaknesses: Low yield, Rhizoctonia, russetting, poor shape, rough, green sprouts, ugly, second growth, flat, road map early, Drop++.

Cutting Notes: Nice shape and color.

COTX05211-4R (035) - Oblong Red. Parentage (CO98012-5R x CO00278-4R). Cross was made in Colorado and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Feathering, flesh not very white.

COTX05211-5R (037) - Oblong Red. Parentage (CO98012-5R x CO00278-4R). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Flesh not very white.

COTX05211-7R (039) - Oblong Red. Parentage (CO98012-5R x CO00278-4R). Cross was made in Colorado and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Flesh not very white.

COTX94216-1R (041) - Round Red. Parentage (Purple Peruvian x Chipeta). Cross was made in Colorado and selected in Texas.

Uses: Fresh.

Strengths: Very white flesh.

Weaknesses: Buff, variable size, ugly, very late, rough, Drop.

Cutting Notes: Nice shape.

COTX94218-1R (043) - Round Red. Parentage (Red Ruby x Red Gold). Cross was made in Colorado and selected in Texas. Medium maturity. Large vine size.

Uses: Fresh.

Strengths: Very white flesh, smooth, nice shape, Keep.

Weaknesses: B size, pre Zebra, Drop?

Cutting Notes: Very nice.

NDTX050258-2R/Y (045) - Oblong Red. Parentage (ND 028770B-4R x ATND 98459-1RY). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Shriveled, flesh not very white.

NDTX059827-1R (047) - Round Red. Parentage (ND4659-5R x ND8512C-17R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: Small, nice white flesh, B size, Keep.

Weaknesses:

Cutting Notes: Rough, deep eyes, very dark flesh.

NDTX4271-5R (049) - Round Red. Parentage (NDTX1068-1R x ND2050-1R). Cross was made in North Dakota and selected in Texas. Early to medium maturity. Medium vine size.

Uses: Fresh.

Strengths: Very white flesh, smooth, yield, nice flesh, BOT+++.

Weaknesses: Small, some buff, mix size, 30% internal problems-Z?, not as nice flesh as Rio Rojo.

Cutting Notes: BOT.

NDTX4784-7R (051) - Round Red. Parentage (ND3574-5R x ND2050-1R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: Smooth, very dark skin, very white flesh, Keep.

Weaknesses: Sticky stolon.

Cutting Notes: Nice shape and color.

NDTX4828-2R (053) - Round Red. Parentage (ND3877-2R x ND1871-3R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses: A little rough, Rhizoctonia, low yield, buff, bad skin finish, lenticels, Drop.

Cutting Notes: Nice.

NDTX4847-7R (055) - Oblong Red. Parentage (ND3900IR-3R x Fontenot). Cross was made in North Dakota and selected in Texas. Medium-early maturity. Medium-large vine size.

Uses: Fresh.

Strengths: Nice internal.

Weaknesses: Zipper defect, low yield, sticky stolon, buff.

Cutting Notes: Nice.

NDTX5003-2R (057) - Round Red. Parentage (ND3504-3R x ND2050-1R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: B size, nice, BOT-.

Weaknesses: Stem end indentation, rough, stolon attachment, Drop.

Cutting Notes: Pressure bruise.

NDTX5438-11R (059) - Round Red. Parentage (ND4339-10R x ND4269-9R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: Smooth, fair, Keep, BOT.

Weaknesses:

Cutting Notes: Some road map, nice shape.

NDTX5438-11BR (061) - Round Red. Parentage (ND4339-10R x ND4269-9R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Road map.

NDTX731-1R (063) - 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: Large tubers, not as rough as Red LaSoda, yes for shape and color, Keep, BOT+++.

Weaknesses: Buff, deep eyes, rough, Drop (hollow heart).

Cutting Notes: Nice.

NDTX7590-3R (065) - Round-Oblong Red. Parentage (ND5151-5R x ND5002-3R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: Smooth, nice, fast bulking, early, Keep.

Weaknesses: Low yield, light set, can oversize, feathering, Drop.

Cutting Notes: Poor shape.

Purple and Red Flesh

Purple Majesty (067) - 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:

Weaknesses: Feathering, culls +, rough, small.

Cutting Notes: Nice shape.

PORTX03PG25-2R/R (069) - Round Red/Red. Parentage (PA97B35-1 x PA99P7-2). Cross was made in Prosser, Washington, tuberling grown in Oregon and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses

Cutting Notes: Nice red/purple flesh, some pointed.

COTX05082-2P/P (071) - Oblong Purple/Purple. Parentage (CO97227-2P/P x WMSG147-3). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Rough, deep eyes, very dark flesh.

PA96RRI-193 (073) - Round Red/Red. Parentage (Fontenot x ND3261-5R). Cross was made and selected in Prosser, Washington.

Uses: Specialty.

Strengths:

Weaknesses: Lots of B's, buff.

Cutting Notes: Nice shape, light red flesh.

POR03PG23-1 (075) - Oblong Red/Red. Parentage (PA97B35-1 x PA99P11-2). Cross was made in Prosser, Washington, tuberling produced in Oregon, and selected in Oregon. Medium maturity. Medium vine size. Red purple flower color.

Uses: Specialty.

Strengths: Red flesh.

Weaknesses:

Cutting Notes: Pinto, red and white flesh.

OR00068-11 (077) - Round Purple/Purple. Parentage (All Blue x PA97B29-4). Cross was made and selected in Oregon. Medium-early maturity. Medium-large vine size. Red/purple flower color

Uses: Specialty.

Strengths:

Weaknesses: Very late, feathering, All Blue-like, small, purple/white flesh, smooth, late, culls, Drop.

Cutting Notes: Nice shape.

Fingerling

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

Uses: Specialty.

Strengths: Keep for seed.

Weaknesses: Rhizoctonia, many culls.

Cutting Notes: Poor shape, skinny.

Purple Peruvian (081) - Long Purple/Purple. Parentage (Unknown.)

Uses: Specialty.

Strengths:

Weaknesses: Deep eyes.

Cutting Notes: Deep eyes, rough, nice flesh.

CO00415-1R (083) - Long Red. Parentage (Kipfel x NDC5281-2R). Cross was made and selected in Colorado. Very early maturity. Medium vine size. Purple flower color.

Uses: Specialty.

Strengths: Good flesh color.

Weaknesses: Buff, road map.

Cutting Notes: Large for a fingerling.

CO00405-1R (085) - Long Red. Parentage (Banana x NDC6174-1R). Cross was made and selected in Colorado. Very early maturity. Small vine size. Purple flower color.

Uses: Specialty.

Strengths: Fingerling, good skin set, nice flesh.

Weaknesses: Buff, curved, poor shape, Drop.

Cutting Notes: Large for a fingerling.

COTX03187-1W (087) - Long White. Parentage (AC89536-5RU x A9304-3). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Fingerling, Keep+.

Weaknesses: Can be rough, can oversize.

Cutting Notes: Some skin problems, large for a fingerling.

PTTX05PG07-1W (089) - 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: Nice shape, very smooth, no culls, Keep, BOT.

Weaknesses Low yield, curved, pointed.

Cutting Notes: Very nice fingerling shape, BOT.

Small Potatoes

ATTX98444-16R/Y (091) - Oblong Red/Yellow. Parentage (A83360-9R x T48YF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.

Strengths: Salad, smooth, small, Keep, BOT++++.

Weaknesses:

Cutting Notes: Very nice, some larger tubers.

ATX02263-1R/Y (093) - Oblong Red/Yellow. Parentage (Inca Gold x A92653-6R). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Salad, small, B size, smooth, buff, Keep, BOT.

Weaknesses:

Cutting Notes: Nice skin, light flesh.

COTX04050-1P/P (095) - Oblong Purple/Purple. Parentage (CO97215-2P/P x CO97306-2P/P). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Salad, purple flesh, smooth, very dark flesh, Keep.

Weaknesses: Small, rough.

Cutting Notes: Very dark flesh, some larger tubers, smooth.

COTX04303-1R/Y (097) - Round Red/Yellow. Parentage (CO99083-2R/Y x ATC98444-1R/Y) Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses: Late, rough, Drop.

Cutting Notes: Nice flesh.

COTX05037-4Y/Y (099) - Oblong Yellow/Yellow. Parentage (AC99330-1P/Y x CO97227-2P/PW). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Light flesh, rough.

COTX05249-3W/Y (101) - Oblong White-Red/Yellow. Parentage (CO00320-1R x ATC98509-1R/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Nice flesh.

NDTX059886-1Y/Y (103) - Oblong Yellow/Yellow. Parentage (ND 7192-1 x ND 8178-1Y). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: Salad? Small, Keep.

Weaknesses: Poor skin finish, Drop.

Cutting Notes: Nice shape, light flesh.

Red Skin Yellow Flesh

NDTX4756-1R/Y (105) - Oblong-Red/Yellow. Parentage (3451-14R x 1618-13R). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: Salad??

Weaknesses: Low yield, silver scurf, small, Deleted.

Cutting Notes: Nice flesh, some larger tubers.

A99326-1PY (107) - 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: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Nice shape and flesh.

AC99329-7RW/Y (109) - Round Purple-White/Yellow. Parentage (Inca Gold x A91846-5R). Cross was made in Aberdeen, and selected in Colorado. Medium maturity. Large-very large vine. Purple flower color.

Uses: Specialty.

Strengths:

Weaknesses: Pointed, heat sprouts, sticky solons, bad rep.

Cutting Notes: Pinto.

AC99330-1P/Y (111) - Round Purple/Yellow. Parentage (Inca Gold x A89655-5DY). Cross was made in Aberdeen, and selected in Colorado. Early maturity. Large vine. Blue flower color.

Uses: Specialty.

Strengths: Nice flesh.

Weaknesses: Bad rep, rough, very small, Drop+.

Cutting Notes: Nice shape and flesh.

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: Fresh.

Strengths: Yellow size parent.

Weaknesses: RLS like, oversize, Drop.

Cutting Notes: Light red skin, nice shape.

ATTX961014-1R/Y (115) - 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: Very nice internals heavy set, Keep, BOT.

Weaknesses: Nipple on stem, Rhizoctonia, variable shape, small, dumbbell culls, heat sprouts, lenticels.

Cutting Notes: Nice shape and skin, purple streaks in flesh.

ATTX98493-1R/Y (117) - Round Red/Yellow. Parentage (94A2-3Y x BO811-13RY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Very yellow flesh.

ATTX98500-2P/Y (119) - Oblong-Purple/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: Yield +, Keep.

Weaknesses: Rough, heat sprouts, dumbbell culls, sticky stolon.

Cutting Notes: Nice flesh, shape, and skin, BOT-.

ATTX98518-5P/Y (121) - Round Purple/Yellow. Parentage (Agria x A83350-9R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses: Rough skin, Drop.

Cutting Notes: Faded skin color, 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: Smooth, very white flesh, Keep.

Weaknesses: Yield??

Cutting Notes: Shriveled.

ATX03515-1R/Y (125) - Oblong Red/Yellow. Parentage (A961014-12RY x NDC5281-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Nice flesh, rough.

ATX05178-2P (127) - Oblong Purple/White. Parentage (A99331-2RY x Durango Red). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Smooth skin, white flesh.

ATX98448-6R/Y (129) - 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: Keep.

Weaknesses:

Cutting Notes: Light red skin, nice shape and flesh.

BTX2103-1R/Y (131) - Oblong Red/Yellow. Parentage (BO811-13 x ARS-W82-21285-1). Cross was made in Beltsville, Maryland and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Nice skin and flesh.

CO00379-2R/Y (133) - Oblong Red/Yellow. Parentage (VC0967-2R/Y x NDC6174-1R). Cross was made and selected in Colorado. Early-medium maturity. Small-medium vine size. Purple flower color.

Uses: Specialty.

Strengths: Smooth.

Weaknesses: Pointed, buff.

Cutting Notes: Nice flesh, skinny and pointed.

CO01399-10P/Y (135) - 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:

Cutting Notes: Large tubers, nice shape and skin, light yellow flesh.

COTX04188-3R/Y (137) - Oblong Red/Yellow. Parentage (ATC98515-1R/Y x ATC98444-1R/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Nice shape, flesh, and skin.

COTX04193-2R/Y (139) - Oblong Red/Yellow. Parentage (ATC98515-1R/Y x ND3574-5R). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep, BOT -.

Weaknesses:

Cutting Notes: Small, nice.

COTX04267-1R/Y (141) - Oblong Red/Yellow. Parentage (CO98012-5R x CO97232-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Salad, Keep, BOT-.

Weaknesses:

Cutting Notes: Small, nice flesh.

COTX05037-5P/Y (143) - Oblong Purple/Yellow. Parentage (AC99330-1P/Y x CO97227-2P/PW). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Nice flesh, rough.

COTX05261-1R/Y (145) - Oblong Red/Yellow. Parentage (CO00379-2R/Y x CO00278-4R). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Nice dark flesh, smooth.

POR01PG45-5 (147) - Oblong Red/Yellow. Parentage (Serrana x Red flesh bulk pollen). Cross was made in Prosser, Washington, tuberling produced in Oregon, and selected in Oregon. Medium-late maturity. Medium-large vine size. Blue flower.

Uses: Specialty.

Strengths:

Weaknesses: Rough, very poor shape, Drop.

Cutting Notes: Very light flesh.

Cutting Notes: Poor shape, very yellow flesh.

POR03PG80-2 (149) - 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:

Weaknesses:

Cutting Notes: Very light yellow flesh.

Prince Harry (151) - Round White. Parentage (Hudson x PI 310925) Cross was made and selected at Cornell University.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes:

King Harry (153) - Round White Parentage (N142-72 x Pike) Cross was made and selected at Cornell University.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes:

ATTX98500-3PW/Y (155) - 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: Very nice interior, nice flesh.

Weaknesses: Pointed, poor shape, flat, light flesh, rough, buff, Drop++.

Cutting Notes:

BTX1544-2W/Y (157) - 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: Argentina.

Weaknesses: Pointed stem end, fine russet skin, Drop++.

Cutting Notes:

NDTX039190-1R (159) - Oblong Red. Parentage (ND 8089-2R x ND 4659-5R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: Very white flesh.

Weaknesses: Low yield, growth cracks, Drop++++.

Cutting Notes:

Russet Chip Selections/Varieties

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 45o 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.

Cutting Notes: Shape-.

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 purpose.

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.

Cutting Notes: Small, hollow heart.

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.

Weaknesses: Weak vine, susceptibility to early dying, most viruses especially PVY, and late blight, and very susceptible to Verticillium wilt and early blight.

Cutting Notes: Nice shape.

Russet Norkotah278 (Protected – PVP No. 9900139) (007) -. Oblong-Long Russet. Parentage (ND9526-4Ru x ND9687-5Ru). Cross was made and selected in North Dakota. TXNS 278 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.

Cutting Notes: Nice shape and skin.

Russet Norkotah296 (Protected – PVP No. 200300288) (009) - Oblong-Long Russet. Parentage (ND95264Ru x ND9687-5Ru). Cross was made and selected in North Dakota. TXNS 296 is a mutant strain selection made in 1989 by Texas from the variety Russet Norkotah. Early maturity. Medium vine size. White flower color.

Uses: Fresh.

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, nice, BOT.

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

Cutting Notes: Blocky, nice shape and skin.

Stampede Russet (Protected – PVP No. 200500177) (011) - 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: Smooth tubers with good skin set, high yielding, dark attractive russet skin with bright white flesh.

Weaknesses: Tubers can be blocky.

Cutting Notes: Skinny.

A0008-ITE (013) - 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 purpose.

Strengths:

Weaknesses: Growth cracks++.

Cutting Notes: Nice shape, small.

A96814-65LB (015) - Oblong Russet. Parentage (AWN86514-2 x A91194-3). Cross was made and selected in Aberdeen. Late maturity. Large vine size. White flower color.

Uses: Process.

Strengths:

Weaknesses:

Cutting Notes: Nice shape, small.

A97066-42LB (017) - 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 purpose.

Strengths: Light russet skin, small, Drop.

Weaknesses:

Cutting Notes: Knobs, blocky.

A98345-1 (019) - Long Russet. Parentage (Ranger R x Premier). Cross was made and selected in Aberdeen. Medium maturity. Medium vine size. White flower color.

Uses: Dual purpose.

Strengths:

Weaknesses:

Cutting Notes: Some pear shaped, light skin.

AC97306-IRU (021) - Oblong Russet. Parentage (A92201-1 x GemRusset). Cross was made in Aberdeen and selected in Colorado.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: Very nice.

AC99375-1RU (023) - 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 purpose.

Strengths:

Weaknesses: Small, did not size.

Cutting Notes: Purple streaks in flesh.

AO96305-3 (025) - 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 purpose.

Strengths:

Weaknesses:

Cutting Notes: Nice shape, small.

AO96365-2 (027) - Long Russet. Parentage (A91141-1 x Ranger). Cross was made in Aberdeen, and selected in Oregon. Medium maturity. Medium vine. Red-purple flower color.

Uses: Dual purpose.

Strengths:

Weaknesses:

Cutting Notes: Nice.

AOTX02060-1Ru (029) - Oblong Russet. Parentage (A97201-4 x A93157-6LS). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Bruce likes, large very nice, Keep, BOT.

Weaknesses: Some points, growth cracks, Drop?

Cutting Notes: Rough.

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. Large vine size.

Uses: Fresh.

Strengths: BOT.

Weaknesses: Late.

Cutting Notes: Nice shape, small.

AOTX95265-2ARu (033) - Long Russet. Parentage (A89216-9 x A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: High yield, Keep, BOT.

Weaknesses: Oversize, rough, Rhizoctonia.

Cutting Notes: Nice shape and size.

AOTX95265-3Ru (035) - 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:

Weaknesses: Deleted.

Cutting Notes: Small, blocky.

AOTX95265-4Ru (037) - 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: Nice flesh.

Weaknesses: Pointed, some rot, Drop.

Cutting Notes: Skinny, curved.

AOTX96208-1Ru (039) - 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:

Weaknesses: Drop+++.

Cutting Notes: Very small.

AOTX96216-2Ru (041) - Long Russet. Parentage (A89216-9 x A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium-early maturity. Large vine size.

Uses: Fresh.

Strengths: BOT.

Weaknesses: Rhizoctonia, raised eyes on large tubers.

Cutting Notes: Blocky, BOT.

AOTX96265-2Ru (043) - Oblong Russet. Parentage (A90621-4 x A84180-8). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Very nice, nice shape, Keep, BOT.

Weaknesses: Feathering.

Cutting Notes: Nice.

AOTX98096-1Ru (045) - 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: Large tubers.

Weaknesses: Drop??

Cutting Notes: Small.

AOTX98152-3Ru (047) - 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:

Weaknesses: Blocky, light russet, Drop??

Cutting Notes: Small, nice shape.

AOTX98202-1Ru (049) - Oblong Russet. Parentage (A9201-6 x A9014-2). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Small, skinny.

ATX03068-1Ru (051) - Oblong Russet. Parentage (A95109-1 x Silverton Russet). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Bruce likes, blocky, smooth, BOT.

Weaknesses: Bad Rhizoctonia, low yield rot, Drop.

Cutting Notes: Small.

ATX05142-2Ru (053) - Oblong Russet. Parentage (Rio Grande Russet x A97214-4). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Hollow heart, large tubers.

ATX84378-6Ru (055) - Oblong-Long Russet. Parentage (A79141-9 x ND329-1). Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.

Strengths: Nice internals, smooth, large, Keep, BOT.

Weaknesses: Small, alligator, Rhizoctonia.

Cutting Notes: Rough, hollow heart.

ATX91137-1Ru (057) - Oblong Russet. Parentage (A81473-2 x A8343-12) Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.

Strengths: Keep, BOT++.

Weaknesses: Raised eyes on large tubers, zebra, blocky.

Cutting Notes: Rough, growth cracks.

ATX9202-3Ru (059) - Oblong Russet. Parentage (A8343-12 x A8495-1) Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.

Strengths: Very white flesh, Keep.

Weaknesses: Late, blocky, small, bruising, feathering, zebra??

Cutting Notes: Blocky, small, purple streaks in flesh.

ATX9332-12Ru (061) - Oblong Russet. Parentage (A8850-1 x A88288-1). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Smooth.

Weaknesses: Pointed, Rhizoctonia.

Cutting Notes: Skinny, light skin, poor skin finish.

ATX97147-4Ru (063) - Long Russet. Parentage (A79180-10 x A88236-6). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Nice flesh good yield.

Weaknesses: Small, shape-, rough, oversized, Rhizoctonia, pointed, Drop.

Cutting Notes: Rough.

ATX97232-1Ru (065) - Oblong Russet. Parentage (A90609-6 x COO83008-1). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Weaknesses.

Cutting Notes: Small, nice.

ATX99013-1Ru (067) - Long Russet. Parentage (A8893-1 x A91186-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses: Drop.

Cutting Notes: Nice shape, some curved.

ATX99194-3Ru (069) - Oblong Russet. Parentage (A94137-1 x GemStar Russet). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Blocky, BOT for shape.

Weaknesses: Poor internals, low yield, spotty russeting, ugly net, Drop.

Cutting Notes: Blocky, light russet.

CO97087-2RU (071) - Oblong Russet. Parentage (CO87009-4 x W1005). Cross was made and selected in Colorado. Medium maturity. Medium vine size. White flower color.

Uses: Fresh.

Strengths:

Weaknesses: Rough, Drop.

Cutting Notes: Blocky, rough, very white flesh.

CO98067-7RU (073) - 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 purpose.

Strengths: Nice internals, nice white flesh.

Weaknesses:

Cutting Notes: Blocky, small, purple streaks in flesh.

CO98368-2RU (075) - Long Russet. Parentage (Russet Nugget x Bannock Russet). Cross was made and selected in Colorado. Medium-early maturity. Medium vine size. Purple flower color.

Uses: Dual purpose.

Strengths:

Weaknesses: Small, poor shape, Drop.

Cutting Notes: Small, skinny.

CO99053-3RU (077) - 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 purpose.

Strengths:

Weaknesses: Skinny, long, Drop++.

Cutting Notes: Rough, skinny.

CO99053-4RU (079) - 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: Heavy set.

Weaknesses: Small, poor shape, skinny, Drop.

Cutting Notes: Nice.

CO99100-1RU (081) - 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 purpose.

Strengths: Nice.

Weaknesses: Skin??

Cutting Notes: Very nice, BOT.

COTX05002-2Ru (083) - Oblong Russet. Parentage (A95409-1 x CO96109-7RU). Cross was made in Colorado and selected in Texas.

Uses: Fresh.

Strengths: Keep.

Weaknesses:

Cutting Notes: Rough, curved.

PA00N14-2 (085) - Long Russet. Parentage (PA95A14-22 x (Bulk Rus + Gem)). Cross was made and selected in Prosser, Washington. Medium maturity. White flower color.

Uses: Dual purpose.

Strengths:

Weaknesses:

Cutting Notes: Very white flesh.

PA99N2-1 (087) - Oblong Russet. Parentage (AO84275-3G6582-3). Cross was made and selected in Prosser, Washington. Medium maturity. Medium vine size. White flower color.

Uses: Dual purpose.

Strengths:

Weaknesses: Round, small.

Cutting Notes: Rough, growth cracks.

PA99N82-4 (089) - Oblong Russet. Parentage (PA95B4-149 x Rus bulk). Cross was made and selected in Prosser, Washington.

Uses: Specialty.

Strengths:

Weaknesses: Drop, growth cracks, blocky.

Cutting Notes: Too round, growth cracks.

TXA549-1Ru (091) - 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 purpose.

Strengths: Blocky, Keep, BOT-++.

Weaknesses: Oversize, light set, Rhizoctonia, hollow heart.

Cutting Notes: Nice shape, blocky.

TXNS410 (093) - 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 internals.

Weaknesses: Small, Drop+.

Cutting Notes: Small.

TXNS551 (095) - 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:

Weaknesses: Drop.

Cutting Notes: Small.

Fill (097)

Chip

Atlantic (099) - 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 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, 10 % ZC.

Cutting Notes: Buff skin, nice flesh.

Chipeta (101) - 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, high specific gravity and low sugar accumulation in storage will occasionally chip out of 40o 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.

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, 20% ZC.

Cutting Notes: Very nice.

King Harry (103) - Round White Parentage (N142-72 x Pike) Cross was made and selected at Cornell University.

Uses: Fresh.
Strengths:
Weaknesses:
Cutting Notes:

AF2219-10 (105) - Oblong White. Parentage (SA8211-6 x EB8109-1). Cross was made and selected in Main at the Aroostook Farm. Medium-late maturity.

Uses: Chip.
Strength: High specific gravity, moderate to good yields, large tuber size, generally good appearance good chip color. Very white flesh.
Weaknesses: Susceptibility to blackspot bruise is similar to Snowden, very late, rough, sticky stolon, heat sprouts, over size, some pointed, Drop++
Cutting Notes: Deep eyes, rough.

CO96141-4W (107) – Oblong-Long White. Parentage (BC0894-2 x AC87340-2). Cross was made and selected in Colorado. Medium-early maturity. Medium-small vine size. White flower color.

Uses: Chip.
Strengths: Nice, smooth, nice interior, BOT.
Weaknesses: Hollow heart, some cracking, flat, too long, Drop.
Cutting Notes: Flat, very oblong.

CO97065-7W (109) - Round White. Parentage (AC92513-3 x Chipeta). Cross was made in and selected in Colorado. Medium maturity. Medium vine size. Red-purple flower color.

Uses: Chip.
Strengths: Nice flesh.
Weaknesses:
Cutting Notes: Very nice shape, uniform.

CO97043-14W (111) - Round White. Parentage (AC91817-5 x AC87340-2). Cross was made in and selected in Colorado. Medium maturity. Medium vine size. White flower color.

Uses: Chip.
Strengths:
Weaknesses: Late, rough, over size, deep nose, sticky stolon, light set.
Cutting Notes: Nice shape and flesh, uniform.

Kalkaska (113) - Round White. Parentage (B1254-1 x S440). Clone was developed by Michigan State University and the Michigan Agricultural Experiment Station. Later maturity. Large vine size.

Uses: Chip.
Strengths: High yielding, shallow eyes.
Weaknesses: Sugar levels have to be watched at harvest during cold temperatures, late, buff, soft, feathering, Drop.
Cutting Notes: Nice shape, some brown center.

MSJ126-9Y (115) - Round White. Parentage (Penta OP). Clone was developed by Michigan State University and the Michigan Agricultural Experiment Station.

Uses: Chip/tablestock.
Strengths: Strong resistance to common scab, attractive, low incidence of internal defects, long-term storage potential, yellow flesh also makes it an option in the tablestock market.
Weaknesses:
Cutting Notes: Light yellow flesh, nice shape.

NY138 (117) - Oblong White. Parentage (Marcy x NY115). Cross made and selected at Cornell University.

Uses: Chip.
Strengths: Large tubers, smooth, nice flesh, fast bulk, nice internal, may have resistance to ZC, BOT.
Weaknesses: Too large.
Cutting Notes: Very nice shape and flesh.

NY139 (119) - Round White. Parentage (NY120 x NY115). Cross made and selected at Cornell University. Medium-late maturity.

Uses: Chip.

Strengths: Appearance is good, moderate to large tubers, moderate to high yields, moderate to high specific gravity, very good chip color, resistant to shatter and blackspot bruise.

Weaknesses: Very late, oversize, stem indentation.

Cutting Notes: Very white flesh, flat, rough.

NDTX059632-1W (121) – Oblong White. Parentage (Dakota Pearl x ND 7377Cb-1). Cross was made in North Dakota and selected in Texas.

Uses: Chip.

Strengths: Heavy set.

Weaknesses: Low yield, small, pointed.

Cutting Notes:

CO00188-4W (123) – Oblong-Long 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: Heavy set, nice flesh, yield+.

Weaknesses: Rough, small, greening, late.

Cutting Notes: Very oblong.

CO00197-3W (125) – Oblong-Long 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:

Weaknesses: Late, poor yield, rough, pointed to stem, over size, feathering, Drop.

Cutting Notes: Very oblong.

CO00270-7W (127) - 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: Fresh.

Strengths: Very white flesh.

Weaknesses: Ugly, growth cracks, very rough.

Cutting Notes: Large tubers, very white flesh.

AOTX95295-1W (129) - Round White. Parentage (A89804-7 x Ranger Russet). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Chip.

Strengths: Smooth, nice, Keep.

Weaknesses:

Cutting Notes: Rough, nice flesh.

AOTX95309-3W (131) - 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: Nice flesh, nice interior, Keep, BOT.

Weaknesses: Small.

Cutting Notes: Nice shape, small.

ATX03409-6W/Y (133) - Oblong White-Buff. Parentage (Summit Russet x A96013-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Nice interior, Keep.

Weaknesses: Small.

Cutting Notes: Nice shape, buff, small.

ATX85404-8W (135) - 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: Very white Flesh, nice internal, Keep.

Weaknesses: Late over size, feathering.

Cutting Notes: Very long sprouts, greening, nice flesh.

COTX02377-1W (137) - Round White-Buff. Parentage (Dakota Pearl x Chipeta). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths: Nice interior, Keep.

Weaknesses: Small.

Cutting Notes: Nice flesh, buff.

COTX03270-1W (139) - Oblong White-Buff. Parentage (CO95007-1RU x AC96052-1RU). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths: Vivaldi-like shape, nice interior, fresh market, nice set, Keep.

Weaknesses: Green, shape-, Drop.

Cutting Notes: Small, nice flesh.

NDTX059828-2W (141) - Round White. Parentage (ND 4659-5R x ND 8524B-1R). Cross was made in North Dakota and selected in Texas.

Uses: Chip.

Strengths: Nice flesh, pink eyes, fresh pack, nice flesh, buff, Keep.

Weaknesses: Lenticels.

Cutting Notes: Heavy set, small tubers.

NDTX059897-1Y/Y (143) - Round White-Buff. Parentage (ND 7291b-2Y x Stirling). Cross was made in North Dakota and selected in Texas.

Uses: Chip.

Strengths: Yellow flesh, nice, buff, Keep.

Weaknesses: Late, sticky stolon, indented stem attachment area.

Cutting Notes: Buff, yellow flesh, nice shape.

TX03196-1W (145) - Round White. Parentage (NDTX4748-7R x Adora). Cross was made and selected in Texas.

Uses: Chip.

Strengths: Nice, Keep, BOT.

Weaknesses:

Cutting Notes: Nice flesh and shape, small.

TX05249-10W (147) - Round White. Parentage (Gem Russet x A91790-13). Cross was made and selected in Texas.

Uses: Chip.

Strengths: Keep.

Weaknesses:

Cutting Notes: Variable size, deep eyes, buff.

TX05249-11W (149) - Round White. Parentage (Gem Russet x A91790-13). Cross was made and selected in Texas.

Uses: Chip.

Strengths: Keep.

Weaknesses:

Cutting Notes: Severe greening.

TX05249-12W (151) - Round White. Parentage (Gem Russet x A91790-13). Cross was made and selected in Texas.

Uses: Chip.

Strengths: Keep.

Weaknesses:

Cutting Notes: Rough, deep eyes, buff.

TX05249-8W (153) - Round White. Parentage (Gem Russet x A91790-13). Cross was made and selected in Texas.

Uses: Chip.

Strengths: Keep.

Weaknesses:

Cutting Notes: Deep eyes.

TX05254-2W (155) - Round White. Parentage (COA96741-2C x A91790-13). Cross was made and selected in Texas.

Uses: Chip.

Strengths: Keep.

Weaknesses:

Cutting Notes: Nice flesh, small.

TX1673-1W (157) - Oblong White. Parentage (Russet Nugget x CS 7802L-2). Cross was made in Texas and selected in Texas.

Uses: Chip.

Strengths: Nice interior, Keep.

Weaknesses: Heart shaped, oversize, rough, Drop.

Cutting Notes: Nice flesh, buff, poor shape.

White Skin Yellow Flesh

Yukon Gold (159) - 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: Very nice, BOT.

A00286-3Y (161) - 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:

Weaknesses: Low yield, bad sprouting, Drop.

Cutting Notes: Pink eyes, small, rough.

A00293-2Y (163) – Oval Yellow//Yellow. Parentage (Agria x TXA1655-1DY). Cross was made and selected in Aberdeen. Medium early maturity. Medium vine size. White flower color.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: Small, poor shape.

ATC00293-1W/Y (165) - 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: Specialty.

Strengths:

Weaknesses: Late, shape, Drop.

Cutting Notes: Nice large tubers.

ATX00289-6Y/Y (167) - 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: Yield ++, BOT for yield.

Weaknesses: Raised eyes, internals, hollow heart ++, pointed, pink eyes, Drop.

Cutting Notes: Very light red skin with yellow flesh.

ATX03496-3Y/Y (169) - Oblong Yellow/Yellow. Parentage (NDTX4271-5R x AO93487-2R). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses: Amadeus like, Lenticels.

Cutting Notes: Small, nice flesh.

ATX03546-1W/Y (171) - Oblong White/Yellow. Parentage (ATA98472-2Y x A97523-1RY). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Odd skin color.

ATX03546-1W/Y-P (173) - Oblong White/Yellow. Parentage (ATA98472-2Y x A97523-1RY). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Purple streak in flesh.

ATX05202-3W/Y (175) - Oblong White/Yellow. Parentage (A00286-3Y x A99433-5Y). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths: Keep.

Weaknesses:

Cutting Notes: Small potatoes.

ATX9132-2Y (177) - Round Yellow/Yellow. Parentage (A81386-1 x AO8478-1). Cross was made in Aberdeen and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses: Drop.

Cutting Notes: Very small, poor shape, nice flesh, Drop.

BTX1749-1W/Y (179) - 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:

Weaknesses: Rough, ugly, buff, early, low yield, Drop+++.

Cutting Notes: Nice.

CO00412-5W/Y (181) - 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: Late, small boiler, buff, Drop+++.

Cutting Notes: Nice shape and flesh.

CO99045-1W/Y (183) - Long White/Yellow. Parentage (Rio Grande Russet x German Butterball). Cross was made and selected in Colorado. Medium maturity. Large vine size. White flower color.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: Flat, blocky.

CO99338-3RU/Y (185) - Round Russet/Yellow. Parentage (Russet Nugget x Crispin). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color.

Uses: Specialty.

Strengths:

Weaknesses: Small, light skin russet, poor internals.

Cutting Notes: Very light russet skin.

COTX04178-1Y/Y (187) - Oblong Yellow/Yellow. Parentage (ATC98444-1R/Y x CO99076-1R). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Boiler, Amadeus-like, salad, Keep.

Weaknesses: Small tubers, pointed Stem, Drop++.

Cutting Notes: Very nice.

NDTX049265-2WRSP/Y (189) - 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: Nice, high yield, nice internals, Keep.

Weaknesses: Some pointed to stem end, pear shape, Drop.

Cutting Notes: Rough.

NDTX050169-2W/Y (191) - Oblong White/Yellow. Parentage (ND 8555-8R x R 89063-84). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: Odd skin color, light flesh, small.

NDTX059759-3Pinto/Y (193) - 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 streak in flesh, red/pinto, Keep, BOT.

Weaknesses: Shoulder hump, over size, Drop.

Cutting Notes: Pinto, no streaks in flesh.

NDTX059759-3 Pinto /Y-P (195) - 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 streak in flesh, red/pinto, Keep, BOT.

Weaknesses: Oblong White red/pinto, purple streak flesh, FC=3.8, BOT+.

Cutting Notes: Pinto, purple streaks in flesh.

POR02PG37-2 (197) - Oval Yellow-Red Eyes/Yellow. Parentage (PA99P35-1 x Rose Gold). Cross was made in Prosser, Washington, tuberling produced in Oregon, and selected in Oregon. Medium early maturity. Medium small vine size. Red purple flower color.

Uses: Specialty.

Strengths:

Weaknesses: Small boiler, Drop?

Cutting Notes: Nice shape, light yellow flesh.

Sierra Gold(TX1523-1Ru/Y) (Protected – PVP No. 200200202). (199) – Oval Russet/Yellow. Parentage (Krantz x Delta Gold). Cross was made and selected in Texas. Nebraska seed source. Early maturity. Medium vine size.

Uses: Specialty.

Strengths: Flesh color-3.3, nice, yield+, excellent internals, BOT++++.

Weaknesses: Can oversize.

Cutting Notes: BOT.

Sierra Gold Selection-2(TX1523-1Ru/Y) (201) - Oval Russet/Yellow. Parentage (Krantz x Delta Gold). Cross was made and selected in Texas. Strain selection by Gary Leever, Nebraska. Early maturity. Medium vine size.

Uses: Specialty.

Strengths: Flesh color-3.3, yield+, nice, excellent internals BOT++++.

Weaknesses: Can oversize.

Cutting Notes: Light russet skin.

Sierra Gold Selection-3(TX1523-1Ru/Y) (203) - Oval Russet/Yellow. Parentage (Krantz x Delta Gold). Cross was made and selected in Texas. Strain selection by Gary Leever, Nebraska. Early maturity. Medium vine size.

Uses: Specialty.

Strengths: Flesh color-3.3, yield+, nice, excellent internals BOT++++.

Weaknesses: Can oversize.

Cutting Notes: Light russet skin.

TX04237-6Y/Y (205) - Oblong Yellow/Yellow. Parentage (Russet Nugget x A92030-5). Cross was made and selected in Texas.

Uses: Specialty.

Strengths: Large tubers, smooth, Keep.

Weaknesses: Poor stand, poor yield, Drop.

Cutting Notes: Very nice.

Sierra Gold (TX1523-1Ru/Y) (Protected – PVP No. 200200202). (207) – Colorado Seed. Oblong-Round Russet/Yellow. Parentage (Krantz x Delta Gold). Cross was made and selected in Texas. Early maturity. Medium vine size.

Uses: Specialty.

Strengths: Flesh color-3.3, yield+, nice, excellent internals BOT++++.

Weaknesses: Can oversize.

Cutting Notes: BOT.

TXYG055 (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. TXYG055 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: Nice.

TXYG057 (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. TXYG057 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: Large tubers.

TXYG079 (213) - 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 shape.

TXYG098 (215) - 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: BOT.

TXYG105 (217) - 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. TXYG105 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: Small.

TXYG107 (219) - 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. TXYG107 is a mutant strain selection made in 1997 by Texas from the variety Yukon Gold.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: Nice, BOT.

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

AD = cross made in Aberdeen, Idaho and selected in California (Davis)

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

AS, CS = Campbell Institute for Agricultural Research, Camden, New Jersey

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

LA = cross made and selected in Louisiana

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

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

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

NDD = cross made in North Dakota and selected in California (Davis)

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

TXCR "numbers" = Texas selections (strains) out of Century Russet made by Texas program

TXND = cross made in Texas 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

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

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

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