

2008 Annual Potato Field Day

Texas Potato Variety Development Program



Thursday July 17, 2008

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

Cooperator: Springlake Potato Sales, Inc.

2008 Field Day Handbook

Texas Potato Variety Development Program

Creighton Miller, Jeff Koym, and Douglas Scheuring

Department of Horticultural Sciences
Texas Agricultural Experiment Station
Texas A&M University

July 17, 2008

Hosted by Springlake Potato Sales, Inc.

Frank Barrett

Bruce Barrett

Funds Received to Support
The Texas Potato Variety Development Program
July 1, 2007- June 30, 2008

USDA/CSREES (Special Research Grants Program, Potato Research)	\$44,350
Royalty returned to program	\$39,846
	\$84,196

Expected but not received:

Horticulture Federal Initiative	\$36,000
Royalty (Estimated)	\$30,000
ARS-State Partnership Potato (Health Benefits – Anticancer Properties)	\$40,000
	\$106,000

In-kind support:

CSS Farms (Milt Carter, Jon Gilley, Dennis Janke, Grant Monie, Lucila Caprio, Kees Schillhorn van Veen, 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
 Safia Naqi – Research Associate (Tissue Culture/virus eradication)
 Tyann, Blessington, Ndambe Nzaramba, Lavanya Redavarri* – Graduate Students
 Jeff Mifflin and Shara Adcock – Student Workers
 *Now a Research Scientist

2008 Springlake Plot Plan

sdlgs						1280			1220									sdlgs	
sdlgs																		sdlgs	
sdlgs			885									865						sdlgs	
sdlgs									TXP/P									sdlgs	
sdlgs						TXRU			WP/P									sdlgs	
sdlgs			TXWHY						WR/R									sdlgs	
sdlgs															560			sdlgs	
sdlgs																		sdlgs	
sdlgs									TXRD						Fing			sdlgs	
sdlgs																		sdlgs	
sdlgs						WRRU												sdlgs	
sdlgs			WHY															sdlgs	
sdlgs									RDW			ZBChip						sdlgs	
sdlgs															TXRD/Y			sdlgs	
sdlgs																		sdlgs	
sdlgs																		sdlgs	
sdlgs																		sdlgs	
sdlgs						SWRU			FDTrus			PVP						sdlgs	
sdlgs	Blank	Blank	fill	Blank	Blank	fill	Blank	Blank	fill	Blank	Blank	fill	Blank	Blank	fill	Blank	Blank	sdlgs	
sdlgs	1-6	7	8	9-18	19-20	19	21-30	31	32	33-42	43	44	45-54	55	56	57-66	67	68	69-86

Texas Potato Variety Development Program 2008 Trials

Location	Trial	Planted
Springlake	Southwest Regional Russets (11)	3/31/08
	White Yellow Flesh (18)	3/31/08
	Field Day Trial Russets (110)	4/1/08
	Western Regional Russets (20)	4/1/08
	Texas Advanced Russet Selections (28)	4/1/08
	Field Day Trial Red Specialty (103)	4/1/08
	Red White Flesh (18)	4/1/08
	Texas Advanced Red Selections (9)	4/1/08
	Western Regional Red/Red (4)	4/1/08
	Western Regional Purple/Purple (4)	4/1/08
	Texas Advanced Purple/Purple Selections (3)	4/1/08
	Plant Variety Protection (30)	4/2/08
	Zebra Chip (42)	4/2/08
	Red Yellow Flesh (11)	4/2/08
	Texas Advanced Red Yellow Selections (72)	4/2/08
	Fingerling (5)	4/2/08
	First Year Seedlings (33,921)	4/2/08
Dalhart	Disease Trial (6)	5/13/08
	Texas Advanced Red Selections (22)	5/13/08
	07 Red Selection (36)	5/13/08
	Tissue Culture (16)	5/13/08
	08 Nuclear Red (2)	5/13/08
	Red Skinned Yellow Flesh (22)	5/13/08
	White Skinned Yellow Flesh (18)	5/13/08
	Yukon Gold Strains 915)	5/13/08
	Wisconsin Colored Flesh (15)	5/13/08
	Fingerling (7)	5/13/08
	07 Specialty Selection (108)	5/13/08
	08Nuclear Specialty (4)	5/13/08
	Zebra Chip (53)	5/13/08
	07 Chip Selections (56)	5/13/08
	Texas Advanced Russet Selections (40)	5/13/08
	07 Russet Selection (70)	5/13/08
	08 Nuclear Russet (3)	5/13/08
Seedlings (36,890)	5/20/08	

Seedlings for Selection in Texas - 2008

Seedlings planted at Springlake

Source	Families	Total Planted
North Dakota	183	18,027
Aberdeen	74	8,061
Oregon	203	7,833
Total	460	33,921

Seedlings planted at Dalhart

Source	Families	Total Planted
Colorado	89	20,106
Colorado Mini Tubers	10	2,200
Texas	79	14,584
Total	178	36,890

Grand Total – 70,811 seedlings from 638 families (crosses) were planted in 2008.

2008 Field Day Trial in Entry Order

Russet 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: rough, curved, pointed

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.

Cutting Notes: blocky, flat, pointed

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: rough, large tubers, skinny.

Russet Norkotah278 (Protected – PVP) (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: BOT, Barrett Seed

Russet Norkotah296 (Protected – PVP) (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: Nice, BOT.

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

Cutting Notes: BOT, Barrett Seed

A0008-ITE(011)- 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: .
Weaknesses:
Cutting Notes: blocky, small

A97066-42LB(013)- Oblong Light Russet. Parentage (AWN86514-2 x A86102-6). Cross was made and selected in Aberdeen. Medium maturity. Medium large vine size. White flower color

Uses: Dual.
Strengths:.
Weaknesses:
Cutting Notes: light skin, silver scurf

AC96052-1RU(015)- Oblong Russet. Parentage (A81386-1 x A9014-2). Cross was made in Aberdeen and selected in Colorado. Medium maturity. Large vines. Purple flower color.

Uses: Dual.
Strengths: Nice, shape.
Weaknesses: blocky, did not size drop.
Cutting Notes: Small,

AC99375-1RU(017)- 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:
Weaknesses:
Cutting Notes: blocky, purple streaks in flesh

AO96141-3(019)- Long Russet. Parentage (A89222-3 x COA90064-6). Cross was made and selected in Aberdeen. Medium maturity. Medium-large vines. White flower color.

Uses: Dual.
Strengths:
Weaknesses: Small, drop, 40% % ZC, rough.
Cutting Notes: pointed, skinny

AOTX02060-1Ru(021)- Oblong Russet. Parentage (A97201-4 x A93157-6LS). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.
Strengths Nice flesh, blocky yield, large tubers, nice shape and skin BOT:
Weaknesses: Rough, 40% ZC.
Cutting Notes: small, rough

AOTX02066-1Ru(023)- Oblong Russet. Parentage (A97218-1 x A97201-4). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.
Strengths: Keep?
Weaknesses: Eye brows, too blocky, poor skin, rough poor shape, pointed, dumb bell, small, drop+
Cutting Notes: small, rough

AOTX02136-1Ru(025)- Oblong Russet. Parentage (A96563-8 x A92030-5). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.
Strengths: Blocky, nice shape.
Weaknesses: Close set, rough, drop.
Cutting Notes: skinny

AOTX95265-1Ru(027)- 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: Nice shape.
Weaknesses: Low yield, small, 10% ZC, some rot.
Cutting Notes: purple streaks in flesh, rough, skinny, Colorado seed

AOTX95265-1Ru(029)- 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: Nice shape.

Weaknesses: Low yield, small, 10% ZC, some rot.

Cutting Notes: very nice, Springlake seed

AOTX95265-2ARu(031)- Long Russet. Parentage (A89216-9 X A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Nice shape, nice.

Weaknesses: Pointed, rough, curved, poor shape, poor internals, 40% ZC, 30% ZC, 20% ZC.

Cutting Notes: blocky, nice

AOTX95265-3Ru(033)- 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: Nice shape, very nice large tubers+, nice flesh, BOT.

Weaknesses: Rough, some curved, 10% ZC, rough, tuber moth, 10% ZC

Cutting Notes: blocky, flat, pointed

AOTX95265-4Ru(035)- 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 shape, large tubers very large tubers, very nice skin and shape, blocky, BOT+.

Weaknesses: Skinny curved, rough, ugly skin set 10% ZC.

Cutting Notes: rough, blocky

AOTX95269-1Ru(037)- Long Russet. Parentage (A89296-3 x A89804-7). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium-maturity. Large vine size.

Uses: Fresh.

Strengths: Nice shape blocky.

Weaknesses: Small, feathering, rough, close set 20 ZC.

Cutting Notes: small, blocky

AOTX95295-1Ru(039)- Long Russet. Parentage (A89804-7 x Ranger Russet). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium-early maturity. Large vine size.

Uses: Fresh.

Strengths: Nice shape, blocky very nice+, nice, TC.

Weaknesses: Small 10 ZC.

Cutting Notes: blocky, shriveled, small

AOTX95295-3Ru(041)- Long Russet. Parentage (A89804-7 x Ranger Russet). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Early maturity. Medium vine size.

Uses: Fresh.

Strengths: Nice shape, heavy set.

Weaknesses: Small, very small, yield-.

Cutting Notes: very small, shriveled

AOTX96084-1Ru(043)- Oblong Russet. Parentage (A8792-1 X A86102-6). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas

Uses: Fresh.

Strengths: Nice shape, nice flesh, blocky.

Weaknesses: Small, curved, rough, close set.

Cutting Notes: small, nice shape

AOTX96208-1Ru(045)- 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.

Weaknesses: Rough, small, 10 ZC rough, drop+.

Cutting Notes: shriveled, small, drop

AOTX96216-2Ru(047)- 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: Blocky, very nice.

Weaknesses: Crooked, rough small.

Cutting Notes: dark russet, very small, growth cracks, purple steaks in flesh

AOTX96265-2Ru(049)- Oblong Russet. Parentage (A90621-4 X A84180-8). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: BOT, blocky, yield+, large tubers, very nice, shape.

Weaknesses: Rhizoctonia, Drop.

Cutting Notes: blocky

AOTX98096-1Ru(051)- 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: BOT, very nice shape and skin++ blocky.

Weaknesses: Rough.

Cutting Notes: rough, small

AOTX98137-1Ru(053)- Oblong Russet. Parentage (A8670-7 x A9310-1). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Early maturity. Medium-large vine size.

Uses: Fresh.

Strengths: Very nice+, BOT++.

Weaknesses: Poor shape, pointed, skinny, rough.

Cutting Notes: small, shriveled

AOTX98152-3Ru(055)- 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:

Cutting Notes: blocky

AOTX99008-1Ru(057)- Oblong Russet. Parentage (A8670-7 x A9308-2). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Nice flesh, keep.

Weaknesses: Rough.

Cutting Notes: blackspot bruise, poor internal, hollow heart, drop

AOTX99194-1Ru(059)- Oblong Russet. Parentage (A94137-1 x GemStar Russet). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Fresh.

Strengths: Keep

Weaknesses:

Cutting Notes: purple sprouts, skinny

ATX03003-1Ru(061)- Oblong Russet. Parentage (Western Russet x A98079-1). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Blocky, BOT.

Weaknesses: Rough .

Cutting Notes: BOT, very nice, blocky

ATX03003-7Ru(063)- Oblong Russet. Parentage (Western Russet x A98079-1). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Blocky, light russet skin, keep.

Weaknesses:
Cutting Notes: BOT, rough

ATX03068-1Ru(065)- Oblong Russet. Parentage (A95109-1 x Silverton Russet). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.
Strengths: Blocky, light russet skin, keep.
Weaknesses:
Cutting Notes: rough, nice

ATX03077-2Ru(067)- Oblong Russet. Parentage (A96095-3 x A92030-5). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.
Strengths: Large tubers, BOT.
Weaknesses:
Cutting Notes: BOT, large tubers, hollow heart

ATX03424-1Ru(069)- Oblong Russet. Parentage (Wallowa Russet x A98292-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.
Strengths: Nice shape, keep.
Weaknesses: Small.
Cutting Notes: small, shriveled

ATX84378-6Ru(071)- Oblong-long Russet. Parentage (A79141-9 x ND329-1). Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.
Strengths: Very large tubers, blocky large tubers, blocky.
Weaknesses: Rough, growth cracks, light set, large tubers, rough, raised eyes
Cutting Notes: shriveled, rough, growth cracks

Fill(073)

ATX91137-1Ru(075)- Oblong Russet. Parentage (A81473-2 x A8343-12) Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.
Strengths: Nice shape, blocky smooth, very nice, BOT.
Weaknesses: 30% ZC, 20% ZC.
Cutting Notes: nice shape, small

ATX9202-3Ru(077)- Oblong Russet. Parentage (A8343-12 x A8495-1) Cross was made in Aberdeen, and selected in Texas.

Uses: Fresh.
Strengths: Nice shape, blocky smooth, very nice, BOT.
Weaknesses: 30% ZC, 20% ZC.
Cutting Notes: small, purple steaks in flesh

ATX9332-12Ru(079)- Oblong Russet. Parentage (A8850-1 x A88288-1). Cross was made in Aberdeen and selected in Texas.

Uses:
Strengths: Blocky.
Weaknesses: Drop, rough, knobs, raised eyes.
Cutting Notes: small, shriveled, rough, hollow heart

ATX97147-4Ru(081)- Long Russet. Parentage (A79180-10 x A88236-6). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.
Strengths: Nice flesh.
Weaknesses: Ugly, 10% ZC, poor skin, poor shape, pointed, DROP.
Cutting Notes: rough, lenticels

ATX99013-1Ru(083)- Long Russet. Parentage (A8893-1 X A91186-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: small, pointed

ATX99194-3Ru(085)- Oblong Russet. Parentage (A94137-1 x GemStar Russet). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths: Light russet skin, keep (07 Mini tubers).

Weaknesses:

Cutting Notes: blocky, very nice, large tubers

CO97087-2RU(087)- 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: Small, skinny, pointed, drop, poor shape.

Cutting Notes: blocky, very white flesh.

CO98067-7RU(089)- 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: Blocky, nice shape.

Weaknesses: Rough, drop (shape)

Cutting Notes: small

CO98368-2RU(091)- 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.

Strengths:

Weaknesses:

Cutting Notes: curved, small.

CO99053-3RU(093)- 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:

Weaknesses:

Cutting Notes: curved, rough

CO99053-3RU(095)- Long Russet. Parentage (AC91014-2 x Silverton Russet). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: flat

CO99100-1RU(097)- Oblong Russet. Parentage (AC93047-1 x Silverton Russet). Cross was made and selected in Colorado. Early maturity. Small-medium vine size. White flower color .

Uses: Dual.

Strengths:

Weaknesses:

Cutting Notes: blocky.

NDTX8773-4Ru(099)- Oblong Russet. Parentage (??). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: Blocky, BOT, keep.

Weaknesses:

Cutting Notes: small, hollow heart

PA99N2-1(101)- Oblong Russet. Parentage (AO84275-3 G6582-3). Cross was made and selected in Prosser, Washington. Medium maturity. Medium vine size. White flower color.

Uses: Dual.

Strengths:

Weaknesses:

Cutting Notes: blocky, light skin

PA99N82-4(103)-Oblong Russet. Parentage (PA95B4-149 x Rus bulk). Cross was made and selected in Prosser, Washington.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: blocky, fat, hollow heart

TXA549-1Ru(105)- 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: Nice, parent, nice net and internal, smooth tubers with good skin set, high yielding, and dark attractive russet skin.

Weaknesses: Poor internals, blocky, Rhizoctonia.

Cutting Notes: nice white flesh, blocky

TXCR-2Ru(107)- Long Light Russet. Parentage (A6789-7 x A6680-5). Cross made and selected by USDA/ARS Aberdeen, ID. TXCR-2Ru is a mutant strain selection made in 1995 by Texas from the variety Century Russet. Late maturity. Large vine size. White flower color.

Uses: Fresh.

Strengths: Nice, high yield, long, light net, BOT- for interior, yield+, nice internals.

Weaknesses: Pointed, rough, feathering, cone shaped, poor shape, knobs, eye knobs, century like, pointed to stem end, skinny rough, curved feathering drop+++.

Cutting Notes: rough, poor shape

TXCR-4Ru(109)- Long Light Russet. Parentage (A6789-7 x A6680-5). Cross was made and selected by USDA/ARS Aberdeen ID. TXCR-4Ru is a mutant strain selection made in 1995 by Texas from the variety Century Russet. Late maturity. Large vine size. White flower color.

Uses: Fresh.

Strengths: Yield, nice internal, yield+.

Weaknesses: Rot, eye bulge, light russet, rough, pointed, poor shape and net, eyes a little deep, heat sprouts, pointed to stem end, stem nipples, not as long as-4, poor shape, feathering, heat sprouts, bad sprouting, feathering, rough, curved, low gravity, pointed drop++++

Cutting Notes: skinny, rough, drop

TXNS410(111)- 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.

Use: Fresh

Strengths:

Weaknesses:

Cutting Notes: small, rough, drop

TXNS551(113)- 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.

Use: Fresh

Strengths:

Weaknesses:

Cutting Notes: small, did not size, drop?

Fill(115)

Fill(117)

Fill(119)

Chipping Selections/Varieties

Atlantic(121)- 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: uniform

Chipeta(123)- 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 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 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, 20% % ZC

Cutting Notes: very nice

Ivory Crisp(125)- Round White. Parentage (ND292-1 x A77268-4). Cross was made in North Dakota and selected in Corvallis, Oregon. Medium maturity. Medium vine size. White flower color.

Uses: Chip.

Strengths: Nice, BOT. uniform, nice shape, skin, and internals++, BOT+.

Weaknesses: Greenhead, stem end discoloration, powdery scab, poor shape, bud cracks+, 10 % % ZC.

Cutting Notes: rough

AC00170-2W(127)- Round White . Parentage (A90467-14 x A91790-13). Cross was made in Aberdeen and selected in Colorado. Early maturity. Medium vine size. Purple flower color.

Uses: Chip.

Strengths: .

Weaknesses:

Cutting Notes: Nice, shape and flesh

AC99213-8W(129)- Round White. Parentage (A900467-14 x NDA5698-8). Cross was made in Aberdeen, and selected in Colorado. Medium maturity. Large vine. White flower color.

Uses: Chip.

Strengths:

Weaknesses: Very late, small, very small, lenticels, buff.

Cutting Notes: Nice

AF2219-10(131)- Oblong White. Parentage (SA8211-6 x EB8109-1). Cross was made and selected in Maine 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.

Weaknesses: susceptibility to blackspot bruise is similar to Snowden.

Cutting Notes: nice white flesh

Beacon Chipper(133)- Round White. Parentage (The origin and pedigree of Beacon Chipper is currently unknown). Identified at Michigan State University. Medium maturity. Medium vine size. White flower color.

Uses: Chip.
Strengths:
Weaknesses:
Cutting Notes: scab, nice shape

CO00188-4W(135)- Oblong White. Parentage (A90490-1W x BC0894-2W). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color.

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

CO00197-3W(137)- Oblong White. Parentage (A91790-13W x NDTX4930-5W). Cross was made and selected in Colorado. Early maturity. Medium vine size. White flower color.

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

CO00270-7W(139)- 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:
Weaknesses:
Cutting Notes: nice shape, size, and flesh

CO95051-7W(141)- Round White. Parentage (?). Cross was made and selected in Colorado.

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

CO96141-4W(143)- Round 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, early, very nice.
Weaknesses:
Cutting Notes: nice, uniform.

CO00189-2W(145)- Round White. Parentage (?). Cross was made and selected in Colorado.

Uses: Chip.
Strengths:
Weaknesses:
Cutting Notes: uniform

CO97043-14W(147)- 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: Nice, early.
Weaknesses: Small.
Cutting Notes: very white flesh, uniform.

Fill(149)

CO97065-7W(151)- 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 shape.
Weaknesses: Low yield, many small tubers, 20% ZC.
Cutting Notes: uniform.

MSJ036-A(153)- 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.

Cutting Notes: variable size

MSJ147-1(155)- Round White. Parentage (NorValley X S440). Clone was developed by Michigan State University and the Michigan Agricultural Experiment Station. Small vine size.

Uses: Chip.

Strengths:

Weaknesses: Slow to emerge.

Cutting Notes: very small

ND7519-1(157)- Oblong White Parentage (??). Cross was made and selected in North Dakota.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: feathering, some internal brown spot

NY138(159)- Oblong White. Parentage (??). Cross made and selected at Cornell University.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: nice , large tubers

NY139(161)- Round White Parentage (??). Cross made and selected at Cornell University. Medium-late maturity

Use: 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:

Cutting Notes: nice, flesh not as white

W2310-3(163)- Oblong White. Parentage (??). Cross was made and selected in Wisconsin.

Uses: Chip

Strengths: best chip color coming from storage at 47°F (8.3°C) and 42°F (5.5°C) of all lines tested.

Weaknesses: low yield

Cutting Notes: nice

W2324-1(165)- Oblong White. Parentage (??). Cross was made and selected in Wisconsin.

Uses: Chip

Strengths: very high marketable yield potential and specific gravity The chip color from the December fry was statistically similar to Snowden and NorValley. Significantly lower early dying and early blight than the average of the round white lines.

Weaknesses: Scab severity is the limiting factor to the promotion of this line as a variety for wide adaptation.

Cutting Notes: deep eyes, hollow heart

W2717-5(167)- Oblong White. Parentage (??). Cross was made and selected in Wisconsin.

Uses: Chip

Strengths:

Weaknesses:

Cutting Notes: pressure cracks, nice flesh, hollow heart

AOTX95295-1W(169)- Oblong White. Parentage (A89804-7 x Ranger Russet). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas.

Uses: Chip.

Strengths:

Weaknesses:

Cutting Notes: BOT for chipping, very nice, CO seed

AOTX95309-1W(171)- Round White. Parentage (A9055-8LS x A89163-3LS). Cross was made in Aberdeen, tuberling produced in Oregon, and selected in Texas. Medium maturity. Large vine size.

Uses: Chip.

Strengths: Big tuber, oblong, BOT+.

Weaknesses:

Cutting Notes: nice shape, sprouts+++

AOTX95309-3W(173)- 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: More round, BOT, nice shape.

Weaknesses: Small tubers.

Cutting Notes: nice shape, small, sprouts++

ATTX00289-4W(175)- Oblong Russet. Parentage (NDA5507-3 X TXA1655-1DY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths: Keep

Weaknesses:

Cutting Notes: nice shape

ATTX98466-5R/W-R(177)- 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 vascular.

Weaknesses: Small green spot, very small, did not size.

ATTX85404-8W(179)- 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: High yield, good appearance, tubers of uniform size, low sugar accumulation in storage, some scab resistance, excellent color, low glycoalkaloids, can be chipped directly out of storage, smooth skin, nice internal. BOT+++.

Weaknesses: Can develop some hollow heart and is somewhat susceptible to shatter bruise, slight russet patching, susceptible to Rhizoctonia, short tuber dormancy, oversize, heat necrosis.

Cutting Notes: very long sprouts++, nice shape

COTX00328-1Pu/Ypu(181)- Oblong Purple. Parentage (ATD252-5R X BO811-13RY). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths: High yield, yellow flesh with purple streaks.

Weaknesses:

Cutting Notes: larger than ATTX98466-5R/W-R, shriveled

COTX02377-1W(183)- Round White-Buff. Parentage (Dakota Pearl x Chipeta). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths: BOT.

Weaknesses:

Cutting Notes: nice

COTX03270-1W(185)- Oblong White-Buff. Parentage (CO95007-1RU x AC96052-1RU). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths: Keep, BOT.

Weaknesses: Poor shape.

Cutting Notes: small, nice shape

COTX03270-3W(187)- Round White. Parentage (CO95007-1RU x AC96052-1RU). Cross was made in Colorado and selected in Texas.

Uses: Chip.

Strengths: Keep, BOT, small, nice shape.
Weaknesses:
Cutting Notes: mixed, planted white skin

NDTX059608-1Ru(189)- Long White. Parentage (Atlantic x ND 8229-3). Cross was made in North Dakota and selected in Texas.

Uses: Chip.
Strengths:
Weaknesses: Poor shape.
Cutting Notes: poor shape, poor internal, ZC??

NDTX059632-1W(191)- Oblong White. Parentage (Dakota Pearl x ND 7377Cb-1). Cross was made in North Dakota and selected in Texas.

Uses: Chip
Strengths:
Weaknesses: Shape?
Cutting Notes: brown center, rough

NDTX059828-2W(193)- Round White. Parentage (ND 4659-5R x ND 8524B-1R). Cross was made in North Dakota and selected in Texas.

Uses: Chip.
Strengths: Pinkeye, uniform size, BOT-.
Weaknesses:
Cutting Notes: sprouts++, shriveled, small

NDTX059897-1Y/Y(195)- Round White-Buff. Parentage (ND 7291b-2Y x Stirling). Cross was made in North Dakota and selected in Texas.

Uses: Chip.
Strengths: Atlantic like.
Weaknesses:
Cutting Notes: nice shape, nice yellow flesh

NDTX059905-1Y/Y(197)- Round White-Buff . Parentage (ND 7291b-2Y x ND 028615AB-3). Cross was made in North Dakota and selected in Texas.

Uses: Chip.
Strengths:
Weaknesses:
Cutting Notes: small, yellow flesh

NDTX7571-3AW(199)- Round White-Buff. Parentage (ND5084-3R x Picasso). Cross was made in North Dakota and selected in Texas. Late maturity. Large vine size.

Uses: Chip.
Strengths: Nice shape and interior, Atlantic-like, buff.
Weaknesses: Hollow heart, some zebra defect, yield-, poor internals, hollow heart, flat.
Cutting Notes: small, nice shape

PATX99P10-1R/R(201)- Oblong Red/Red. Parentage (All Red X PA96RR02-120). Cross was made in Prosser, Washington, tuberling grown in Aberdeen and selected in Texas.

Uses: Chip.
Strengths: Nice pale red.
Weaknesses: Road map+.
Cutting Notes: small, light red flesh

TX03196-1W(203)- Round White. Parentage (NDTX4748-7R x Adora). Cross was made and selected in Texas.

Uses: Chip.
Strengths: Very nice, nice shape.
Weaknesses:
Cutting Notes: BOT

ATX03407-2Ru(205)- Round Russet. Parentage (Stampede Russet x Alturas Cross was made in Colorado and

selected in Texas.

Uses: Specialty.

Strengths: Uniform size.

Weaknesses:

Cutting Notes: nice shape

ATX03409-1W/Y(207)- Oblong White-Buff. Parentage (Summit Russet x A96013-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses: Variable size, rough.

Cutting Notes: flesh not very white, shriveled

ATX03409-2W/(209)Y- Oblong White-Buff. Parentage (Summit Russet x A96013-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses: Rough.

Cutting Notes: rough, poor shape

ATX03409-3W/Y(211)- Oblong White-Buff. Parentage (Summit Russet x A96013-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses: Some small, buff skin.

Cutting Notes: large tubers nice

ATX03409-6W/Y(213)- Oblong White-Buff. Parentage (Summit Russet x A96013-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: small, nice white flesh

ATX03409-7W/Y(215)- Oblong White-Buff. Parentage (Summit Russet x A96013-2). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.

Strengths:

Weaknesses: Buff skin.

Cutting Notes: small

NDTX059620-1W(217)- Oblong White. Parentage (Dakota Crisp x Dakota Pearl). Cross was made in North Dakota and selected in Texas.

Uses: Chip.

Strengths: Good size.

Weaknesses: Flat.

Cutting Notes: flesh not very white, Yellow flesh?, large tubers very nice

NDTX059902-1W(219)- Oblong White-Buff. Parentage (ND 7291b-2Y x ND 7519-1). Cross was made in North Dakota and selected in Texas.

Uses: Chip.

Strengths: Uniform size.

Weaknesses:

Cutting Notes: nice shape and size

Red Skin White Flesh Selections/Varieties

Dark Red Norland (001)- 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, nice BOT+.

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, russetting.

Cutting Notes: poor shape

Red LaSoda(003)- Oblong Red. Parentage (Triumph x Katahdin). Cross was made and selected in Louisiana. Red LaSoda is a clonal selection from LaSoda made by Louisiana. Medium maturity. Medium-large vine size. Purple flower color.

Uses: Fresh.

Strengths: High yields, wide adaptability.

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

Rio Rojo (Protected – PVP) (005)- 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: 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: BOT, some feathering

NDTX4271-5R(007)- 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: Good color and shape, lots of small round tubers yield+, color+, very nice, nice interior, BOT. very white flesh.

Weaknesses: Can have buff skin, heat sprouts, Rhizoctonia, road map, buff oversized, heat sprouts.

Cutting Notes: BOT, very white flesh

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, heavy set, keep, To CAL (07 Mini tubers).

Weaknesses:

Cutting Notes nice shape and skin:

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: Nice yield, keep (07 Mini tubers).

Weaknesses: Stem attachment, feathering.

Cutting Notes: eye brows, too large

ATTX98453-6R(013)- 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: Nice flesh, keep, To WRD, BOT, good skin color very white flesh.

Weaknesses: Rhizoctonia, pale red skin, 20% ZC, 20% Green head.

Cutting Notes: light red skin, nice flesh

BTX2332-1R(015)- 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: Keep+, smooth, oval, TC, nice flesh.

Weaknesses: Lenticels, small.

Cutting Notes: some red discoloration in flesh

CO00277-2R(017)- 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:

Weaknesses:

Cutting Notes: some feathering

CO00291-5R(019)- 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:

Weaknesses:

Cutting Notes: nice skin and flesh

CO98012-5R(021)- Oblong Light Russet. Parentage (PA92A17-6 x A91194-4). Cross was made and selected in Aberdeen. Medium maturity. Medium-large vine size.

Uses: Fresh.

Strengths: Nice skin, shape and flesh, BOT, nice white flesh, heavy set.

Weaknesses: Small.

Cutting Notes: nice shape and flesh.

CO99076-6R(023)- Round Red. Parentage (). Cross was made and selected in Aberdeen. Medium maturity. Medium-large vine size.

Uses: Fresh.

Strengths:

Weaknesses:

Cutting Notes: nice shape and flesh

CO99256-2R(025)- Oblong Light Russet. Parentage (PA92A17-6 x A91194-4). Cross was made and selected in Aberdeen. Medium maturity. Medium-large vine size.

Uses: Fresh.

Strengths: Nice flesh.

Weaknesses: Poor shape, small, Rhizoctonia, lenticels, drop.

Cutting Notes: some internal problems.

COTX04340-1R(027)- Round Red. Parentage (ND3574-5R x CO98012-5R) Cross was made in Colorado and selected in Texas

Uses: Specialty.

Strengths: Dark red skin, keep.

Weaknesses:

Cutting Notes: small

COTX94216-1R(029)- Round Red. Parentage (Purple Peruvian x Chipeta). Cross was made in Colorado and selected in Texas.

Uses: Fresh.

Strengths: Good color, heavy set, keep (07 Mini tubers)

Weaknesses:

Cutting Notes: eye brows, nice flesh

COTX94218-1R(031)- 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: Nice shape, very nice flesh, keep+, BOT keep, uniform size, B size tuber, heavy set, nice flesh

boiler.
Weaknesses: Rhizoctonia.
Cutting Notes: poor internals

ND47985-1R(033)- Oval Red. Parentage (Minn 17922 x ND2225-1R). Cross was made in North Dakota and selected in Aberdeen. Early maturity. Medium-small vine size.

Uses: Fresh.
Strengths: BOT, very nice flesh.
Weaknesses: Rhizoctonia, knobs on stem end.
Cutting Notes: nice shape

NDTX039190-1R(035)- Oblong Red. Parentage (ND 8089-2R x ND 4659-5R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh
Strengths: Nice flesh, TC, keep BOT.
Weaknesses: Heat sprouts, rough, heat sprouts, rough, close set, oversize, early,
Cutting Notes: shriveled, small

NDTX059878-1R(037)- Oblong Red. Parentage (ND 7172V-5 x ND 028577-6RY). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.
Strengths: Early.
Weaknesses: Growth crack:
Cutting Notes: shriveled and feathering.

NDTX059845-1R(039)- Round Red. Parentage (ND 5124c-1R x ND 028685-4RY). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.
Strengths: Nice skin, keep.
Weaknesses:
Cutting Notes: long sprouts, nice shape

NDTX4784-7R(041)- Round Red. Parentage (ND3574-5R x ND2050-1R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.
Strengths: Very nice flesh++, nice skin color nice shape, nice fresh, BOT.
Weaknesses: Heat sprouts poor skin finish, road map+, early, translucent flesh.
Cutting Notes: nice shape and flesh

NDTX4828-2R(043)- Round Red. Parentage (ND3877-2R x ND1871-3R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.
Strengths: Very nice flesh++, nice skin color nice shape, nice fresh, BOT.
Weaknesses: Heat sprouts poor skin finish, road map+, early, translucent flesh.
Cutting Notes: nice skin

NDTX4847-7R(045)- 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: Oval, nice, nice flesh.
Weaknesses: Stem indentation, low yield, heat sprouts, road map, 10% green head, 10% ZC, fair interior, road map.
Cutting Notes: small, shriveled, drop?

NDTX5003-2R(047)- Round Red. Parentage (ND3504-3R x ND2050-1R). Cross was made in North Dakota and selected in Texas.

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

NDTX731-1R(049)- 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: Uniform round tubers, early, does not oversize, BOT+.

Weaknesses: Susceptible to Rhizoctonia, rough, susceptible to hollow heart, eyes somewhat deep, ugly nose, silver scurf, road map, poor internals, oversize, deep eyes and nose.

Cutting Notes: good skin set, nice

NDTX7590-3R(051)- Round-Oblong Red. Parentage (ND5151-5R X ND5002-3R). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.

Strengths: Heavy set, nice tubers, keep (07 Mini tubers).

Weaknesses: Small.

Cutting Notes: nice skin

Red Skin Yellow Flesh Selections/Varieties

Klondyke Rose(053)-Long Red. Cross made in Netherlands.

Uses: Specialty

Strengths:

Weaknesses: Heat sprouts, pointed to stem end.

Cutting Notes: dormant

ATTX961014-1R/Y(055)- Oblong Red/Yellow. Parentage (A90601-2RDY X MAZAMA). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas. Early maturity. Medium vine size. Purple flower color.

Uses: Specialty.

Strengths: Nice flesh, very nice, BOT nice internals smooth skin oval shape, good skin set, BOT.

Weaknesses: Road map, nose, variable shape.

Cutting Notes: some red vascular discoloration

A99331-2RY(057)- Oblong Red. Parentage (Inca Gold x COA94019-5R). Cross was made and selected in Aberdeen. Medium maturity. Medium vine size. Dark red-purple flower color.

Uses: Specialty.

Strengths: .

Weaknesses:

Cutting Notes: rough, poor shape, white eyes

AC97521-1R/Y(059)- Oblong Red/Yellow. Parentage (SJP/T48YF x A91846-5R). Cross was made in Aberdeen, and selected in Colorado. Medium maturity. Large vine. Red-purple flower color.

Uses: Specialty.

Strengths: Nice shape, nice flesh.

Weaknesses: Poor shape, pointed to stem end.

Cutting Notes: light flesh

AC99329-7RW/Y(061)- Round Purple-White. 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: Deep eyes, rough, heat sprouts.

Cutting Notes: Pinto, nice shape

AC99330-1P/Y(063)-Round Purple. Parentage (Inca Gold xA89655-5DY). Cross was made in Aberdeen, and selected in Colorado. Early maturity. Large vine. Blue flower color.

Uses: Specialty.

Strengths:

Weaknesses: Lenticels++, rough, small tubers, ugly.

Cutting Notes: nice flesh

ATTX98444-16R/Y(065)- Oblong Red Parentage (A83360-9R X T48YF). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.
Strengths: Ok, nice, keep, BOT, Check TC.
Weaknesses:
Cutting Notes: nice flesh, shriveled, road map

ATTX98468-5R/Y(067)- Oblong Red. Parentage (ATD252-5R X A93457-4R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.
Strengths: Check TC, BOT.
Weaknesses: Depression at stem end.
Cutting Notes: very small, shriveled.

ATTX98500-2P/Y(069)- 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, nice yellow flesh, heavy set.
Weaknesses: Check other data, second growth, buff, poor skin finish, stem attachment, late+, drop++
Cutting Notes: nice shape and flesh

ATTX99325-1P(071)- Oblong Purple. Parentage (AGRIA X W1100R). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Specialty.
Strengths: Smother, nice, keep+, very white flesh nice shape.
Weaknesses: Poor skin set road map, low yield, feathering.
Cutting Notes: rough, feathering, shriveled

ATX02263-1R/Y(073)- Oblong Red. Parentage (Inca Gold x A92653-6R). Cross was made in Aberdeen and selected in Texas.

Uses: Fresh.
Strengths: Nice flesh, dark red skin, nice shape, skin, and flesh, egg like shape, BOT.
Weaknesses: Some pointed.
Cutting Notes: small, road map

CO00379-2R/Y(075)- Oblong Red. 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:
Weaknesses:
Cutting Notes: nice flesh

CO97232-1R/Y(077)- Oblong-Red/Yellow. Parentage (CO94218-1 x VC0967-2). Cross was made and selected in Colorado. Medium- early maturity. Medium vine size. Purple flower color.

Uses: Specialty.
Strengths:
Weaknesses: Small, Rhizoctonia, some pointed.
Cutting Notes: poor skin and shape.

CO97232-2R/Y(079)- Round-Red/Yellow. Parentage (CO94218-1 x VC0967-2). Cross was made and selected in Colorado. Medium maturity. Medium vine size. Red-purple flower color.

Uses: Specialty.
Strengths:
Weaknesses: Rhizoctonia, poor skin, drop, poor internals, poor skin finish, silver scurf, faded. Color.
Cutting Notes: poor skin.

CO97233-3R/Y(081)- Oblong-Red/Yellow. Parentage (CO94218-1 x VC0967-5). Cross was made and selected in Colorado. Medium-late maturity. Medium vine size. Red-purple flower color.

Uses: Specialty.
Strengths:
Weaknesses: Pointed to stem end, road map, buff, pair shaped, drop+.
Cutting Notes: smooth skin, nice flesh.

COTX03039-1R/Y(083)- Oblong Red/Yellow. Parentage (CO97233-3R/Y x VC0967-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Nice flesh, nice, keep smooth early, large tubers.

Weaknesses: Oversize, lenticels.

Cutting Notes: road map, nice shape

COTX04303-2R/Y(085)- Round Red/Yellow. Parentage (CO99083-2R/Y x ATC98444-1R/Y) Cross was made in Colorado and selected in Texas

Uses: Specialty.

Strengths: Nice, keep.

Weaknesses: Late, road map.

Cutting Notes: small, nice flesh, road map

Fill(087)

NDTX4756-1R/Y(089)- Oblong-Red/Yellow. Parentage (3451-14R X 1618-13R). Cross was made in North Dakota and selected in Texas.

Uses: Specialty.

Strengths: Nice shape and flesh, yield+, keep, BOT+++.

Weaknesses: Zippered, small tubers, poor flesh, road map, oversize, silver scurf, mix yield-, light redskin, heat sprouts skin drop++.

Cutting Notes: small, nice flesh, shriveled, pale skin

POR01PG45-5(091)- Oblong Red. 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: very light flesh

Cutting Notes: very light flesh

TX04212-1R/Y(093)- Oblong Red. Parentage (ATTX98500-2PU/Y x ATTX01178-1R). Cross was made and selected in Texas.

Uses: Specialty.

Strengths: 4 rating for yellow flesh.

Weaknesses: Flat.

Cutting Notes: BOT

Red or Purple Flesh Selections/Varieties

Purple Majesty(095)- Oblong Purple. Parentage (ND2008-2 x All Blue). Cross made and selected in Colorado. Late maturity. Large vine size. Blue flower color

Uses: Specialty.

Strengths: BOT, flesh color-4, superior to All Blue dark purple flesh, smooth, heavy set, very purple flesh.

Weaknesses: Road map, variable shape, rough, poor shape.

Cutting Notes: smooth nice shape

CO97215-2P/P(097)- Oblong Purple/Purple. Parentage (CO94163-1 x CO94183-1). Cross was made in Colorado and selected in Colorado.

Uses: Specialty.

Strengths:

Weaknesses: Small, stem indentations, variable flesh color.

Cutting Notes: smooth, dark flesh.

CO97222-1R/R(099)- Oblong Red/Red. Parentage (CO94170-1 x CO94183-1). Cross was made in and selected in Colorado.

Uses: Specialty.

Strengths:

Weaknesses: Rough, poor internals, road map, poor skin finish.

Cutting Notes: nice flesh.

CO97226-2R/R(101)- Round Red/Red. Parentage (CO94183-1 x CO94214-1). Cross was made in and selected in Colorado. Early maturity. Medium-large vine size. White flower color.

Uses: Specialty.

Strengths:

Weaknesses: Drop, small, road map+, poor skin+.

Cutting Notes: nice flesh.

CO97227-2P/PW(103)- Oblong Purple/Purple. Parentage (CO94183-1 x CO94215-1). Cross was made in Colorado and selected in Colorado.

Uses: Specialty.

Strengths: Parent, very dark flesh.

Weaknesses: Small pointed, rough, poor shape.

Cutting Notes: very dark flesh.

COTX03025-2P/P(105)- Oblong Purple/Purple. Parentage (CO94165-3P/P x PA97B36-3). Cross was made in Colorado and selected in Texas.

Uses: Specialty.

Strengths: Smooth, round, keep for flesh.

Weaknesses: Road map poor skin finish.

Cutting Notes: nice flesh and shape

COTX04050-1P/P(107)- Oblong Purple/Purple. Parentage (CO97215-2P/P x CO97306-2P/P). Cross was made in Colorado and selected in Texas

Uses: Specialty.

Strengths: Smooth, very dark flesh, nice shape, very purple flesh, keep, yield, nice skin.

Weaknesses: Lenticels, silver scurf, drop (heat sprouts), heat sprout++.

Cutting Notes: small, nice flesh

OR00068-11(109)- Round 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:

Cutting Notes: flesh not as dark as Purple Majesty

PA96RR1-193(111)- Round Red. Parentage (Fontenot x 3261-5R). Cross was made and selected in Prosser, Washington.

Uses: Specialty.

Strengths:

Weaknesses:

Cutting Notes: nice shape, light red flesh

POR03PG23-1(113)- Oblong 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:

Weaknesses:

Cutting Notes: silver scurf, flesh red with yellow streaks

White Skin Yellow Flesh Selections/Varieties

Yukon Gold(115)- 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: light flesh, nice shape

A00286-3Y(117)- Oblong White. 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:

Cutting Notes: Rough Nice dark yellow flesh

ATC00293-1W/Y(119)- Oblong White. 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: scab

ATTX00289-6Y/Y(121)- Round Yellow. Parentage (NDA5507-3 X TXA1655-1DY). Cross was made in Aberdeen, tuberling produced in Texas, and selected in Texas.

Uses: Fresh.

Strengths: Red Eye, 07 Mini tubers

Weaknesses:

Cutting Notes: red eyes

ATTX98500-3P/Y(123)- 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, check other data, rough, buff, drop++.

Cutting Notes: poor shape, pointed, flat

BTX1544-2W/Y(125)- 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: Early, nice flesh, BOT.

Weaknesses: Lenticels poor skin finish, light russet, Rhizoctonia.

Cutting Notes: nice flesh, poor skin, BOT- for flesh and shape

BTX1749-1W/Y(127)- Oblong White. Parentage (K7-6 x BO925-4). Cross was made in Beltsville, Maryland and selected in Texas. Medium maturity. Large vine size.

Uses: Specialty.

Strengths: Nice flesh yield.

Weaknesses: Drop?.

Cutting Notes: small, shriveled

CO00412-5W/Y(129)- Oblong White. 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:

Cutting Notes: small

CO99045-1W/Y(131)-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: Nice, BOT of Col entries.

Weaknesses: Rough, light fine russet skin, some pointed.

Cutting Notes: light russet, light flesh, poor internals, internal brownspot.

CO99338-3RU/Y(133)- 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: hollow heart.

COTX03079-1W/Y(135)- Oblong White/Yellow. Parentage (VC1015-7R/Y x CO97232-2R/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.
Strengths: Check TC, keep+, yield+ pink eye, very nice flesh, TC, BOT++, round to oblong shape, very nice internals.
Weaknesses: Pointed to stem end, feathering variable shape, a little rough.
Cutting Notes: shriveled

COTX04015-3W/Y(137)- Oblong White/Yellow. Parentage (ATC98495-1W/Y x TX1674-1W/Y). Cross was made in Colorado and selected in Texas.

Uses: Specialty.
Strengths: Keep, TC, nice yield.
Weaknesses: Flat, pointed.
Cutting Notes: rough, nice flesh

COTX04178-1Y/Y(139)- Oblong Red Parentage (ATC98444-1R/Y x CO99076-1R). Cross was made in Colorado and selected in Texas

Uses: Specialty.
Strengths:
Weaknesses:
Cutting Notes: small, nice flesh

NDTX049265-2WRSP/Y(141)- Oblong White. Parentage (ATND 99331-2 Pinto x Dakota Rose). Cross was made in North Dakota and selected in Texas.

Uses: Chip.
Strengths: Nice flesh, red splash eyes, nice.
Weaknesses:
Cutting Notes: rough, shriveled

NDTX059759-3Pinto/Y(143)- Oblong Pinto. Parentage (ATND 99331-2 Pinto x ND 7834-2P). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.
Strengths: Red pinto yellow flesh, BOT.
Weaknesses: Flat.
Cutting Notes: nice shape, flesh, and skin, red pinto, purple steaks in flesh

NDTX059775-1W/Y(145)- Oblong Yellow. Parentage (89063-84 x Bison). Cross was made in North Dakota and selected in Texas.

Uses: Fresh.
Strengths: Nice, heavy set.
Weaknesses:
Cutting Notes: BOT

POR02PG26-5(147)- Oval Yellow-Red Eyes/Yellow. Parentage (PA99P11-2 x Pig420). Cross was made in Prosser, Washington, tuberling produced in Oregon, and selected in Oregon. Medium maturity. Medium vine size. Purple flower color.

Uses: Specialty
Strengths: Pink slash, nice.
Weaknesses: Heat sprouts, Rhizoctonia, some pear shaped.
Cutting Notes: large tubers, red eyes

POR02PG37(149)- 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: Pink eyes.

Weaknesses: Pointed to stem end.
Cutting Notes: red eyes

TX1523-1Ru/Y (Sierra Gold™) (Protected – PVP) (151)- Round-oblong 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, nice yield+, nice, excellent internals BOT++++.
Weaknesses: Can oversize.
Cutting Notes: BOT

TX1673-1W/Y(153)- Oblong White. Parentage (Russet Nugget x CS 7802L-2). Cross was made in Texas and selected in Texas.

Uses: Specialty.
Strengths:
Weaknesses:
Cutting Notes: flat, white flesh

TX1674-1W/Y(155)- Oblong-long White/Yellow. Parentage (Russet Nugget x Delta Gold). Cross was made in Texas and selected in Texas. Early maturity. Medium vine size. Light lavender flower color.

Uses: Specialty.
Strengths: Red eyes, nice interior, yield+, parent, BOT+.
Weaknesses: Fat.
Cutting Notes: flat, variable size

(157)Fill

(159)Fill

Fingerling Selections/Varieties

COTX03187-1W(161)- Fingerling White. Parentage (AC89536-5RU x A9304-3). Cross was made in Colorado and selected in Texas.

Uses: Specialty.
Strengths: Fingerling, keep, nice, TC, nice shape and yield, buff skin, long fingerling, white flesh smooth, BOT.
Weaknesses: Can oversize, poor internals, drop, better at SPR.
Cutting Notes: long white or fingerling??

CO00405-1R(163)- Oblong Russet. Parentage (Banana x NDC6174-1R). Cross was made and selected in Colorado. Very early maturity. Small vine size. Purple flower color.

Uses: Specialty.
Strengths:
Weaknesses:
Cutting Notes: Fingerling, curved, pointed.

CO00415-1R(165)- 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:
Weaknesses:
Cutting Notes: Fingerling, rough.

COTX04056-4P/P(167)- Round Purple/Purple. Parentage (CO97216-1P/P x CO97227-2P/PW). Cross was made in Colorado and selected in Texas

Uses: Specialty.
Strengths: Salad type, heavy set, send to Cal/ Small potato Co., keep.
Weaknesses:
Cutting Notes: small, B size, nice flesh

Yukon Gold Strain Selections

Yukon Gold(171) Standard Seed Source Zapata

TXYG055 (173) Seed Source Zapata
Cutting Notes: pear shaped

TXYG055(175) Seed Source Dalhart
Cutting Notes: pear shaped

TXYG057(177) Seed Source Zapata.
Cutting Notes: light flesh, nice shape

TXYG057(179) Seed Source Dalhart
Cutting Notes: light flesh, nice shape

Yukon Gold(181) Standard Seed Source Zapata

TXYG079(183) Seed Source Zapata
Cutting Notes: smooth skin, some pear shaped

TXYG079(185) Seed Source Dalhart
Cutting Notes: smooth skin, some pear shaped

TXYG098 (187) Seed Source Zapata

Cutting Notes: flat, smooth skin

TXYG098(189) Seed Source Dalhart
Cutting Notes: flat, smooth skin

Yukon Gold(191) Standard Seed Source Zapata

TXYG105(193) Seed Source Zapata
Cutting Notes: BOT, smooth skin, nice shape and flesh

TXYG105(195) Seed Source Dalhart
Cutting Notes: BOT, smooth skin, nice shape and flesh

TXYG107(197) Seed Source Zapata
Cutting Notes:

TXYG107(199) Seed Source Dalhart
Cutting Notes:

Yukon Gold(201) Standard Seed Source Zapata

Yukon Gold ZSC(203) Seed Source Zapata
Cutting Notes: light flesh, nice shape

Yukon Gold(205) Standard Zapata

Fill(207)

Fill(209)

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

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

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

WC = cross made in Washington and selected in Colorado

WD = cross made in Washington and selected in California (Davis)

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

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

Edited by Jeannie Miller

